Submitted on 2016-03-04 at 15:28 UTC

CCAFS COFUNDED W1_W2_W3

Title: FP1 Leader: CSA Engagement, Synthesis and Supporting Activities

Start date (dd-MM-yyyy)	01-01-2015	**End date (dd-MM-yyyy)**	31-12-2018
Management liaison	F1 - Flagship 1	**Mgmt. liaison contact**	Jarvis, Andy <a.jarvis@CGIAR.ORG>
Lead organization	FP1 Leader - FP1 Leader	**Project leader**	Jarvis, Andy <a.jarvis@CGIAR.ORG>
Project type	CCAFS COFUNDED	**Detailed project workplan**	<Not defined>

Project is working on

Flaship(s)	Region(s)
FP1: Climate-smart practices	Global: Global

Bilateral project(s) contributing to this project
247 - (BILATERAL-USAID) CSA Integration and Analysis: Strategic support on Climate Smart Agriculture in Feed the Future

Summary

Flagship 1 leadership activities consisting of syntheses, global coordination of all the FP1 portfolio (including center led flagship projects) and filling in key portfolio gaps. In 2015 and
2016, the work will be focused on the synthetizing emerging CSA findings, exploring novel financial instruments for promoting CSA and establishing strategic partnerships with major development agencies.

2. Partners

Partner #1

Institution: University of Leeds

Contacts

Type	Contact	Responsibilities and contributions
Partner	Challinor, Andrew <a.j.challinor@leeds.ac.uk>	Professor Challinor provides scientific leadership and expertise on the Climate and Ag. modeling work undertaken by the FS1 team and ensures tight scientific links as well as engagement with this community. He led Activity 2014-359.
Project Coordinator	Ramirez Villegas, Julian <j.r.villegas@cgiar.org>	Shared CIAT-Leeds Post-Doc leading Activity 2014-358.

Partner #2

Institution: CIAT - Centro Internacional de Agricultura Tropical

Contacts

Type	Contact	Responsibilities and contributions
Partner	Arango Londoño, David <d.arango@cgiar.org>	Continuous improvement of the Climate-Analogue tool. Key partner in activity 2014-358.
Partner	Martinez, Deissy <d.m.baron@cgiar.org>	To promote linkages with regional, national and sub-national stakeholders (potencial users and beneficiaries of the Analogue approach) as well as to provide support in capacity building activities in Latin America (partner in activity 2014-358).
Partner	Ramirez Villegas, Julian <j.r.villegas@cgiar.org>	Shared CIAT-Leeds Post-Doc. Key partner in Activity 2014-359.
Partner	L?izarazo, Miguel <m.lizarazo@cgiar.org>	Coordianting the CSA prioritization framework work in Guatemala and Cauca
Partner	Rebolledo Cid, Maria Camila <m.c.rebolledo@cgiar.org>	Contributing to research
Partner	Grenier, Cecile <c.grenier@cgiar.org>	Contributing to research on breeding review of progress
Partner	Jimenez, Daniel <d.jimenez@cgiar.org>	Contributing to research as CSMS project leader

Partner	Navarro Racines, Carlos Eduardo <c.e.navarro@cgiar.org>	Contributing to research and develppment of ccafs-climate platform (See deliverables).

Partner #3

Institution: The World Bank

CCAFS Partner(s) allocating budget

FP1 Leader - FP1 Leader

Contacts

Type	Contact	Responsibilities and contributions
Partner	Millan, Alberto <a.millan@worldbank.org>	WB-CCAFS liaison person contributing to facilitate appropriate operational linkages namely on Innovative incentives (including finance) and mechanisms for scaling up and out CSA.
Partner	Sadler, Marc <msadler@worldbank.org>	Key partner in Activity 2014-357.

Partner #4

Institution: Waen Associates

CCAFS Partner(s) allocating budget: <Not defined>

Contacts

Type	Contact	Responsibilities and contributions
Partner	Jones, Peter <p.jones@cgiar.org>	Activity 2014-358- contributed to CCAFS-Climate (MarkSim's updates).

Partner #5

Institution: NUI Galway - National University of Ireland Galway

CCAFS Partner(s) allocating budget

FP1 Leader - FP1 Leader

Contacts

Type	Contact	Responsibilities and contributions
Partner	Spillane, Charles <charles.spillane@nuigalway.ie>	Key partner in Activity 2014-358. Leading research on climate-proofing biofortified crops for maternal and child nutrition in Malawi.

Partner #6

Institution: CIMMYT - International Maize and Wheat Improvement Center

Contacts

Type	Contact	Responsibilities and contributions
Partner	Sonder, Kai <k.sonder@cgiar.org>	Activity 2014-359 - Contributed to breeding paper.

Partner #7

Institution: ICRAF - World Agroforestry Centre

Contacts

Type	Contact	Responsibilities and contributions
Partner	Rosenstock, Todd <t.rosenstock@cgiar.org>	Activity 2014-359. Development of CSA compendium, CSA X-Rays.

Partner #8

Institution: USAID - U.S. Agency International Development

CCAFS Partner(s) allocating budget: <Not defined>

Contacts

Type	Contact	Responsibilities and contributions
Partner	Bertram, Rob <rbertram@usaid.gov>	Bilateral project.

Partner #9 (Leader)

Institution: FP1 Leader - FP1 Leader

Contacts

Type	Contact	Responsibilities and contributions
Project Leader	Jarvis, Andy <a.jarvis@CGIAR.ORG>	Scientific and strategic global Flagship 1 leadership
Partner	Bonilla, Osana <o.bonilla@cgiar.org>	Support to Flagship 1 coordination and projects implementation follow up.

Partner #10

Institution: EMBRAPA - Empresa Brasileira de Pesquisa Agropecuária

CCAFS Partner(s) allocating budget

FP1 Leader - FP1 Leader

Contacts

Type	Contact	Responsibilities and contributions
Partner	Heinemann, Alexandre <alexandre.heinemann@embrapa.br>	Conduct research on Target Population of Environments.

Partner #11

Institution: CIMMYT - International Maize and Wheat Improvement Center

CCAFS Partner(s) allocating budget: <Not defined>

Contacts

Type	Contact	Responsibilities and contributions
Partner	Cairns, Jill <j.cairns@cgiar.org>	Contributing to research - Breeding paper.
Partner	Das, Biswanath <b.das@cgiar.org>	contributing to research- Breeding paper

Partner #12

Institution: IRRI - International Rice Research Institute

CCAFS Partner(s) allocating budget: <Not defined>

Contacts

Type	Contact	Responsibilities and contributions
Partner	Li, Tao <t.li@irri.org>	Contributing to research: rice future TPE

Partnerships overall performance over the last reporting period: • NUI-Galway agricultural R4D partnership has strengthened FP1 portfolio and enabled successful collaborative work with CIAT Malawi on climate-proofing biofortified crops for maternal and child nutrition. NUI has been an instrumental partner to jointly develop a curricula for the establishment of a capacity-building oriented one year CCAFS-NUI Galway Masters degree and to lever combined resource mobilization capabilities and efforts.

• Leeds University and CIAT's now longstanding collaboration (incl. shared Post-Doc) continues to succesfully deliver top quality climate modeling science (climate change scenarios and climate impacts methodologies) that is supporting both, the breeding and decision communities (SBSTA, COP).

Lessons regarding your partnerships and possible implications for the coming reporting cycle: Both Leeds and NUI-Galway are expected to be Strategic partners in CCAFS Phase II, with Leed's co-leading the CoA.on Evidence, investment planning and application domains for CSA technologies and practices. NUI's ongoing work on aricultural research for development on climate-proofing biofortified crops for maternal and child nutrition opens good opportunities to strengthen collaborations with A4NH and Dryland Cereals and Legumes (DCLAS) CRPs and key partners incl. PABRA, Harvest Plus Program.

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3. Locations

4. Outcomes

4.1 Project outcome narrative

Project outcome statement
Climate smart agricultural approaches being mainstreamed in ongoing development initiatives (e.g. USAID FTF, IFAD ASAP, WB ops) through support from CCAFS FS1 on CSA tools, models, frameworks and enhanced evidence of what CSA practices work best, where and how. Enhanced delivery of outcomes of FS1 projects achieved thanks to strategic support on partnerships and specific science topics which enhance their reach as projects. Barriers to adaptation/CSA financing are broken down and investment enhanced thanks to new knowledge on agricultural finance options that embrace CSA principles, including, but not exclusive to novel value chain approaches, climate finance and new agricultural business models.

Annual progress towards outcome (end of 2015): Strategic support provided to at least 3 major development initiatives (initially USAID FTF, IFAD ASAP, WB and/or African RECs), and at least 3 country government initiatives in three regions. Common approaches for CSA testing established across 5 regions.

Annual progress towards project outcome in the current reporting cycle (2015): Strategic support has been provided to USAID FTF in orienting its future programming towards encompassing CSA principles and complying with the Executive Order for Climate Resilient Development. As a first major step towards this end, FS1 led a review Feed the Future programs across its 19 focus countries, and held "deep-dives" in 5 specific countries across 3 continents to assess specific projects and their relevance to CSA. Each deep dive resulted in guidance back to Mission directors on promising opportunities and entry points to bolster CSA outcomes through different systems and agro-ecologies. A total of US$977km of annual funding from USAID was assessed, including very specific review of US$128m in the 5 deep dive countries. A final report is drafted and being presented to USAID in 2016, along with programming tools to help mainstream CSA into ongoing and new Feed the Future investments.

Linked to the USAID assessment, FS1 was also instrumental in leading a multi-agency effort to develop common CSA metrics which will translate in an overall framework and a practical CSA Indicator tool for supporting program design using "CSA goggles".

FS1 also cemented close collaboration with the WorldBank through the secondment of Alberto Millan in the Agriculture Global Practice, under Marc Sadler who leads CSA efforts inside the WorldBank. Alberto is also closely engaged with GACSA, especially related to the Investment Action Group.

Additional strategic support provided to 3 countries on multi-level CSA planning in partnership with LAM, WA and SA: Colombia, Guatemala, Mali and India.

Deep engagement with the Colombian government also provided, in close collaboration with CIAT. FS1 supported the establishment of INDC targets for agriculture in the Colombia submission to UNFCC, and on a high profile SBSTA submission on climate impacts on agriculture (joint with FS4).

Communication and engagement activities have contributed to achieving your Project outcomes: Strong communication efforts were made to comunicate CSA examples, especially related to work in Climate Smart Villages. Examples of this are collaborations with Lisa Palmer in here series on climate smart villages, especially focused on India.

Active participation in the GACSA Ad-Hoc Committee for the coordination of the GACSA Annual Forum and playing an active role in the GACSA MET (Member Engagement Team) to disseminate CCAFS knowledge products and expand CCAFS network through Alberto Millan in World Bank.

Participation in the London' Resilient Supply Chains Conference to disseminate CCAFS' work, networking and explore collaborations with relevant private and public stakeholders.

Evidence documents of progress towards outcomes: <Not defined>

Annual progress towards outcome (end of 2016): Two additional major global development initiatives receiving strategic support to enhance the promotion of CSA outcomes , and 2 more countries receiving direct support in CSA outcomes. Emergence of lessons from CSVs feeding into development initiatives under engagement.

Annual progress towards outcome (end of 2017): At least US$300m of investment influenced by CCAFS FP1

Annual progress towards outcome (end of 2018): <Not defined>

Lessons regarding your Theory of Change and implications for the coming planning cycle; e.g. how have your assumptions changed, or do you have stronger evidence for them: <Not defined>

4.2 Contribution to CCAFS Outcomes

FP1 - Outcome 2019: National and subnational development initiatives and public institutions prioritize and inform project implementation of equitable best bet CSA options using CCAFS science and decision support tools.

Indicator #1: FP1 Indicator: # of national and subnational development initiatives and public institutions that prioritize and inform project implementation of equitable best bet CSA options using CCAFS science and decision support tools

2019	
Target value: 20	**Cumulative target to date:** 34
Target narrative: Cumulative from direct FS1 support and enhanced outcome achievement of projects in FS1 portfolio.	

2019
The expected annual gender and social inclusion contribution to this CCAFS Outcome: <Not defined>

2015		
Target value: 6	**Cumulative target to date:** 6	**Target achieved:** 6.0
Target narrative: Strategic support to USAID FTF, IFAD ASAP, WB on rolling out CSA in ongoign and new initiatives, and strategic support to at least 3 countries on multi-level CSA planning: Colombia, India, Ghana initially.		
Narrative for your achieved targets, including evidence: Support provided to 6 development initiatives during 2015: USAID Feed the Future (see outcome statement for details), Government of Mali through CSA prioritization, Government of Guatemala through CSA prioritization, multiple CSA donors through a CSA metrics database and indicator selection framework, Kenya World Bank CSA loan through support on a CSA country profile, Colombian productive sector adaptation through support to Ministry of Agriculture and Rural Development (through CIAT). Evidence available in specific activity reports.		
The expected annual gender and social inclusion contribution to this CCAFS Outcome: <Not defined>		
Narrative for your achieved annual gender and social inclusion contribution to this CCAFS outcome: Indicators for gender were included in support to USAID on CSA indicators and metrics frameworks, and gender relevance examined of Feed the Future projects related to CSA in deep dive reports. Gender related indicators included in prioritization process for Guatemala and Mali.		

2016	
Target value: 8	**Cumulative target to date:** 14
Target narrative: Cumulative from 2015, one additional development intiiative of major donors and 3 countries receiving direct support in promoting CSA outcomes in operations and local level CSA planning respectively.	
The expected annual gender and social inclusion contribution to this CCAFS Outcome: Exploration of “gender metrics” or supporting gender guidelines for CSA porfolios/interventions	

2014		
Target value: <Not defined>	**Cumulative target to date:** 0	**Target achieved:** <Not defined>
Target narrative: <Not defined>		
Narrative for your achieved targets, including evidence: <Not defined>		
The expected annual gender and social inclusion contribution to this CCAFS Outcome: <Not defined>		

2014
Narrative for your achieved annual gender and social inclusion contribution to this CCAFS outcome: <Not defined>

FP1 - Outcome 2019: Public-private actors at national and sub-national levels are using new incentive mechanisms or business models/ markets that explicitly promote climate smart approaches along the value chain, using CCAFS science

Indicator #1: FP1 Indicator: # of public-private actors at national and sub-national levels are using new incentive mechanisms or business models/ markets that explicitly promote climate smart approaches along the value chain, using CCAFS science

2019	
Target value: 5	**Cumulative target to date:** 9
Target narrative: Value chain initiatives, climate finance organisations, multilateral bank programs, all details to be determined in collaboration with WB seconded ag finance position.	
The expected annual gender and social inclusion contribution to this CCAFS Outcome: <Not defined>	

2015		
Target value: 1	**Cumulative target to date:** 1	**Target achieved:** 0.0
Target narrative: Initial quick win through WorldBank on one initiative using novel financial approaches to incentivise CSA.		
Narrative for your achieved targets, including evidence: Discussions with Worldbank to trial novel finance options for CSA in a collaborative effort with CARE are materializing for achievement in 2016. This activity was put back and impacted by budget cuts preventing availability of operational funds to start a pilot. Center projects from CIAT and IITA on cocoa/coffee, and CIMMYT-SA on maize and rice are achieving, and FS1 has been strongly engaged in getting those activities moving.		
The expected annual gender and social inclusion contribution to this CCAFS Outcome: <Not defined>		
Narrative for your achieved annual gender and social inclusion contribution to this CCAFS outcome: Pilot financial instruments to be trialled in 2016 have a strong gender and social inclusion angle planned.		

2016	
Target value: 3	**Cumulative target to date:** 4

2016
Target narrative: To be determined through ag finance specialist seconded to World Bank.
The expected annual gender and social inclusion contribution to this CCAFS Outcome: Inclusion of gender and social inclusion component into the development of cliamte smart value chain projects.

2014		
Target value: <Not defined>	**Cumulative target to date:** 0	**Target achieved:** <Not defined>
Target narrative: <Not defined>		
Narrative for your achieved targets, including evidence: <Not defined>		
The expected annual gender and social inclusion contribution to this CCAFS Outcome: <Not defined>		
Narrative for your achieved annual gender and social inclusion contribution to this CCAFS outcome: <Not defined>		

4.3 Other Contributions

Contribution to other CCAFS Impact Pathways

-

Collaborating with other CRPs

Grain Legumes
Description of collaboration: Collaboration with CIAT and EMBRAPA in modelling climate sensitive breeding strategies for beans in Latin America (paper submitted), and support to the Bean program in CIAT on ex ante assessment of heat tolerant beans that led to the publication: Developing Beans that can beat the Heat.
The achieved outcome contributions: <Not defined>

Rice
Description of collaboration: Collaboration with CIAT and EMBRAPA in modelling climate sensitive breeding strategies for rice in Latin America, resulting in a joint paper.
The achieved outcome contributions: <Not defined>

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4.4 Outcome case studies

Outcome case study #1
Title: High Level stakeholders engaged in prioritizing CSA portfolios and guiding new investments in Mali (FP1/WA)
Outcome statement: Outputs from the CSA prioritization process developed by CIAT, CCAFS FP1 and CCAFS-WA through the collaboration and leadership of national stakeholders (AEDD and the NGO AMEDD on behalf of the CCASA National platform),led to: an action plan to foster scaling of the prioritized CSA portfolios; USD 5,177250 investment by Sahel Eco (NGO), AMEDD and AMEPPE for implementation in three regions;Helvetas Swiss' intension to mainstream one CSA portfolio, and official support request from the Director of Agriculture and Deputees commission.
Research Outputs: * List of prioritized practices of three agro ecological zones of Mali (Power Point Summary Presentation). * Cost/Benefit Portfolio Analysis Report * Policy Brief * Info Note * Working Paper in prep.
Research Partners: * Mali CCASA platform (led and coordinated the process in collaboration with AMEDD); * NGO AMEDD (supported the economic analyses). * Two universities and IER (NARS) were involved as expert in the process. * CIAT proposed the CSA prioritization framework previously tested in Guatemala and provided methodological support for its adaptation to Mali's context.
Activities that contributed to the outcome: * CCASA National platform facilitated by AMEDD. * First Prioritization workshop (November 2014): identification of top suitable CSA options and externalities. (attendees: national government: Direction of Agriculture, AEDD,Local government: Region of Sikasso, research: University, IER CIRAD, Donors: EU, Sweden Embassy, NGOs: Helvetas. * Data gathering and Cost/benefit analysis of prioritized options. * Final workshop (October, 2015): co-development of 2 CSA portfolios (30 high level decision makers from the Malian government, representatives from farmer associations, universities, NARS, NGOs and donors). * Business breakfast (October 23, 2015) : high level broadcasting of the PF results to 9 high level stakeholders. * Visit to the Prime 'Minister's Office. * National television coverage of the event. * High level event at the Malian parliament to share the results of the prioritization exercise and trigger policy action.
Non-research Partners: * CCASA National platform: https://cgspace.cgiar.org/rest/bitstreams/37218/retrieve * AMEDD * Helvetas Swiss intercooperation * Attendees to the Business Breakfast:National Directors of Agriculture, Water and Forests, Food Security Commissioner, Executive secretariat of the national Committee of Agronomic Research (CNRA) and representatives from the EU, Sweden embassy, Helvetas Suisse, WA GERES (NGO energy and climate focused) and the Green Climate Fund.

Output Users: * Government: AEDD (Min. of Env), Direction National de l'Agriculture (Min. of Ag), Sikasso (local)
* NGOs AMEDD (local) Sahel Eco (International) Helvetas (International)
* Research: IER, Universities (national)
* Farmer organizations :AOPP
* Donors: Climate Fund Secretary, European Union, Sweden Embassy

How the output was used: Mainstreaming:
2016 implementation by Sahel Eco,AMEDD and AMEPPE (5177250 USD) of CSA options in the Mopti, Segou and Sikasso regions (IITA-USAID project); and by Helvetas (1priotized portfolio) within their 2014-2020 program.

*UNEP: interest in business cases assessments.

*Swedish: shared with 15 partners and exploring new agreement with Mali.

Evidence of the outcome: Letter from de national Director of Agriculture
IITA-SahelEco-USAID project and 2016 workplan.
Helvetas project under construction.

Video showing engagement from: Climate Fund, Food security secretariat and Permanent Assembly of Agriculture's chamber (CD room).

Follow up in 2016 to the solemn request from the Rural Development Committee (Parliment) to AMEDD.

References: * Business Breakfast Presentation.
* Info Note
* Cost/Benefit Analysis Report (in revision)

* Blog Climate-smart solutions for Mali: https://ccafs.cgiar.org/blog/climate-smart-solutions-malian-sahel#.VplZsPkrLIV
*Photos: https://www.flickr.com/photos/cgiarclimate/sets/72157649473003478
* Video showing engagement from: Climate Fund, Food security secretariat and Permanent Assembly of Agriculture's chamber (CD room)- CCAFS Youtube channel

The primary 2019 outcome indicator that this case study is contributing to:
FP1 Indicator: # of national and subnational development initiatives and public institutions that prioritize and inform project implementation of equitable best bet CSA options using CCAFS science and decision support tools

Explanation of the link between your outcome story and the CCAFS indicators:

Year: 2015

Annexes uploaded: References and Evicence FP1 & WA 2015 Outcome Story.pdf

5. Project outputs

5.1 Overview by MOGs

Major Output groups - 2019
FP1 - MOG # 5: Evidence on equitable CSA certification schemes, new agri-business models, financial incentive mechanisms and policy instruments to promote and mainstream CSA adoption at different levels of the value chain (LAM, WA, SA, SEA) **Brief bullet points of your expected annual 2019 contribution towards the selected MOG** <Not defined> **Brief plan of the gender and social inclusion dimension of the expected annual output** <Not defined>
FP1 - MOG # 3: Approaches, strategies and scaling up/out mechanisms (e.g CSV), for enhanced adaptive capacity and resilience from the field to the sub-national level (LAM, WA, SA, EA, SEA) **Brief bullet points of your expected annual 2019 contribution towards the selected MOG** <Not defined> **Brief plan of the gender and social inclusion dimension of the expected annual output** <Not defined>
FP1 - MOG # 2: Biophysical, socio-economical and tradeoffs analyses (incl. enabling environments and gender), innovative methods, engagement approaches and customized decision support tools for CSA prioritization, wide scale adoption, local adaptation and investment planning (LAM, WA, EA, SA, SEA) **Brief bullet points of your expected annual 2019 contribution towards the selected MOG** <Not defined> **Brief plan of the gender and social inclusion dimension of the expected annual output** <Not defined>

Major Output groups - 2014

FP1 - MOG # 5: Evidence on equitable CSA certification schemes, new agri-business models, financial incentive mechanisms and policy instruments to promote and mainstream CSA adoption at different levels of the value chain (LAM, WA, SA, SEA)

Brief bullet points of your expected annual 2014 contribution towards the selected MOG
<Not defined>

Brief summary of your actual 2014 contribution towards the selected MOG:
<Not defined>

Brief plan of the gender and social inclusion dimension of the expected annual output
<Not defined>

Summary of the gender and social inclusion dimension of the 2014 outputs:
<Not defined>

FP1 - MOG # 3: Approaches, strategies and scaling up/out mechanisms (e.g CSV), for enhanced adaptive capacity and resilience from the field to the sub-national level (LAM, WA, SA, EA, SEA)

Brief bullet points of your expected annual 2014 contribution towards the selected MOG
<Not defined>

Brief summary of your actual 2014 contribution towards the selected MOG:
<Not defined>

Brief plan of the gender and social inclusion dimension of the expected annual output
<Not defined>

Summary of the gender and social inclusion dimension of the 2014 outputs:
<Not defined>

FP1 - MOG # 2: Biophysical, socio-economical and tradeoffs analyses (incl. enabling environments and gender), innovative methods, engagement approaches and customized decision support tools for CSA prioritization, wide scale adoption, local adaptation and investment planning (LAM, WA, EA, SA, SEA)

Brief bullet points of your expected annual 2014 contribution towards the selected MOG
<Not defined>

Brief summary of your actual 2014 contribution towards the selected MOG:
<Not defined>

Brief plan of the gender and social inclusion dimension of the expected annual output
<Not defined>

Summary of the gender and social inclusion dimension of the 2014 outputs:
<Not defined>

Major Output groups - 2015

FP1 - MOG # 5: Evidence on equitable CSA certification schemes, new agri-business models, financial incentive mechanisms and policy instruments to promote and mainstream CSA adoption at different levels of the value chain (LAM, WA, SA, SEA)

Brief bullet points of your expected annual 2015 contribution towards the selected MOG
<Not defined>

Brief summary of your actual 2015 contribution towards the selected MOG:
* Discussions with Worldbank to trial novel CSA financial options/mechanisms with CARE.
* 2 CCAFS projects pitched to the GACSA Investment Action Group
* Networking and CCAFS products dissemination at the London Resilient Supply Chains Conference
* Literature review on the identification of improved impact pathway for beans (NUI-Galway)

Brief plan of the gender and social inclusion dimension of the expected annual output
<Not defined>

Summary of the gender and social inclusion dimension of the 2015 outputs:
* Strong gender and social inclusion angle planned for Pilot on financial instruments to be trialled in 2016
* NUI's work focused on reaching smallholder women farmers thorough understanding gender issues in bean value chains and seed systems.

FP1 - MOG # 3: Approaches, strategies and scaling up/out mechanisms (e.g CSV), for enhanced adaptive capacity and resilience from the field to the sub-national level (LAM, WA, SA, EA, SEA)

Brief bullet points of your expected annual 2015 contribution towards the selected MOG
<Not defined>

Brief summary of your actual 2015 contribution towards the selected MOG:
* CSV workshop to reflect on lessons learnt and opportunities for harmonization of methodologies, cross regional analyses and global learning.
* High level workshop with 10 major agencies to develop a common overall CSA metrics framework.
* USAID-Feed the Future portfolio analyzed for further promising CSA opportunities and entry points.

Brief plan of the gender and social inclusion dimension of the expected annual output
<Not defined>

Summary of the gender and social inclusion dimension of the 2015 outputs:
Challenges and needs identified at CSV's Gender and Youth session: General assessment on what has been done on Gender sensitive interventions/apporaches and strategies to enhance women's decision making in the hh, and address how can CSVs be a factor that influences youth staying in rural areas.

FP1 - MOG # 2: Biophysical, socio-economical and tradeoffs analyses (incl. enabling environments and gender), innovative methods, engagement approaches and customized decision support tools for CSA prioritization, wide scale adoption, local adaptation and investment planning (LAM, WA, EA, SA, SEA)

Brief bullet points of your expected annual 2015 contribution towards the selected MOG
<Not defined>

Brief summary of your actual 2015 contribution towards the selected MOG:
* CSA Indicators database and programing Tool
* CSA country profiles (Kenya, Rwanda, Sri Lanka, Nicaragua, Uruguay)
* Online platform for crowd-sourced development of Climate impacts data set (ag-impacts.org)
* TPE methodology and tool (ccafs-tpe.org/tpe).
* CSA Prioritization Framework to guide investments finalised in Guatemala and Mali (initiated in Vietnam).

Brief plan of the gender and social inclusion dimension of the expected annual output
<Not defined>

Summary of the gender and social inclusion dimension of the 2015 outputs:
The CSA Prioritization and Investment Business breakfast was a space to promote CSA portfolios that consider gender and social differentiation. Two portfolios were explicitly identified for its potential positive impact on gender income.The process and analysis considered and quantified social and environmental externalities for each practice.

Major Output groups - 2016

FP1 - MOG # 5: Evidence on equitable CSA certification schemes, new agri-business models, financial incentive mechanisms and policy instruments to promote and mainstream CSA adoption at different levels of the value chain (LAM, WA, SA, SEA)

Brief bullet points of your expected annual 2016 contribution towards the selected MOG
Range of innovative finance options for incentivizing CSA identified and matched to opportunities for robust testing and evaluation within World Bank initiatives, or within the context of Climate Smart Villages.

Brief plan of the gender and social inclusion dimension of the expected annual output
Gender and Social Inclusion will be key elements in the identification, design and testing of innovative financial options

FP1 - MOG # 3: Approaches, strategies and scaling up/out mechanisms (e.g CSV), for enhanced adaptive capacity and resilience from the field to the sub-national level (LAM, WA, SA, EA, SEA)

Brief bullet points of your expected annual 2016 contribution towards the selected MOG
Identification and promotion of opportunities for CCAFS to use its research and engage further with the World Bank and CSA stakeholders, and contribute to CSA related initiatives of the World Bank in CCAFS regions

Brief plan of the gender and social inclusion dimension of the expected annual output
Collaborative work with the CCAFS Gender and Social Inclusion team to develop Specific Case studies and “Gender guidelines”to support project leaders to properly mainstream gender into the desin and implementation of their interventions

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FP1 - MOG # 2: Biophysical, socio-economical and tradeoffs analyses (incl. enabling environments and gender), innovative methods, engagement approaches and customized decision support tools for CSA prioritization, wide scale adoption, local adaptation and investment planning (LAM, WA, EA, SA, SEA)

Brief bullet points of your expected annual 2016 contribution towards the selected MOG
- Breeding implications of projected changes in drought stress for upland rice
- An integrated framework to accelerate trait discovery
- A quest for robustness in yield projections of maize response to CC
- Decadal predictions of rice varietal performance
- CCAFS-climate integration with Climate Wizard

Brief plan of the gender and social inclusion dimension of the expected annual output
gender aspects will not specifically be included in the outputs related to this MOG but they will be included in the prioritization framework and tools supported by the team and be co-developped with the centers.

Lessons regarding your major outputs groups (MOGs) and possible implications for the coming planning cycle: -

5.2 Deliverables

Deliverable #1

Main Information	
Title: Policy briefs and synergy reports on innovative finance instruments/funding sources for incentivizing CSA adoption.	
MOG # 5: Evidence on equitable CSA certification schemes, new agri-business models, financial incentive mechanisms and policy instruments to promote and mainstream CSA adoption at different levels of the value chain (LAM, WA, SA, SEA)	
Main Type: Reports, Reference Materials and Other Papers	**Sub Type:** Policy briefs - Briefing paper
Year of expected completion: 2016	
Status: <Not defined>	

Next-user
The World Bank, Development Banks and Agencies
Knowledge, attitude, skills and practice changes expected in next-user: The promotion of the use of CCAFS research in World Bank operations
Strategies (facilitation, engagement, knowledge sharing etc.) will be used to encourage and enable next-user to utilize deliverables and adopt changes: CCAFS-WB liaison person hired and posted at the WB who will among others, identify and promote opportunities for CCAFS to engage further with the World Bank and contribute to CSA related initiatives of the WB in CCAFS regions.

Partners contributing to this deliverable
Partner #1 (Responsible): Millan, Alberto <a.millan@worldbank.org>, The World Bank

Deliverable Ranking	
Address gender and social inclusion aspect	<Not defined>
Potential for/ actual contribution to outcomes	<Not defined>
Level of shared ownership (partnerships across org.)	<Not defined>
What is your personal perspective of the importance of this product	<Not defined>

Deliverable dissemination
Open access restriction: <Not defined>
License adopted: <Not defined>
Dissemination Channel: <Not defined>

Dissemination URL: <Not defined>

Deliverable Metadata
Description: <Not defined>
Creator / Authors: <Not defined>
Author Identifier: <Not defined>
Publication / Creation date: <Not defined>
Language: <Not defined>
Coverage: <Not defined>

Deliverable Data sharing
Deliverable files <Not defined>

Deliverable #2

Main Information	
Title: Range of innovative finance options for incentivizing CSA matched to opportunities for robust testing (CSVs)	
MOG # 5: Evidence on equitable CSA certification schemes, new agri-business models, financial incentive mechanisms and policy instruments to promote and mainstream CSA adoption at different levels of the value chain (LAM, WA, SA, SEA)	
Main Type: Reports, Reference Materials and Other Papers	**Sub Type:** Research report
Year of expected completion: 2016	
Status: <Not defined>	

Next-user
World Bank, CARE, Development banks
Knowledge, attitude, skills and practice changes expected in next-user: Broader investment in supporting CSA equitable financial services and programs targeted to farmers, cooperatives, local and national governements.
Strategies (facilitation, engagement, knowledge sharing etc.) will be used to encourage and enable next-user to utilize deliverables and adopt changes: Engagement through Shared staff; CCAFS-WB position.

Partners contributing to this deliverable
Partner #1 (Responsible): Millan, Alberto <a.millan@worldbank.org>, The World Bank

Deliverable Ranking	
Address gender and social inclusion aspect	<Not defined>
Potential for/ actual contribution to outcomes	<Not defined>
Level of shared ownership (partnerships across org.)	<Not defined>
What is your personal perspective of the importance of this product	<Not defined>

Deliverable dissemination
Open access restriction: <Not defined>
License adopted: <Not defined>
Dissemination Channel: <Not defined>
Dissemination URL: <Not defined>

Deliverable Metadata
Description: <Not defined>
Creator / Authors: <Not defined>
Author Identifier: <Not defined>
Publication / Creation date: <Not defined>
Language: <Not defined>
Coverage: <Not defined>

Deliverable Data sharing
Deliverable files <Not defined>

Deliverable #3

Main Information
Title: Climate Analogues Tool V3

MOG # 2: Biophysical, socio-economical and tradeoffs analyses (incl. enabling environments and gender), innovative methods, engagement approaches and customized decision support tools for CSA prioritization, wide scale adoption, local adaptation and investment planning (LAM, WA, EA, SA, SEA)	
Main Type: Tools and Computer Software	**Sub Type:** Tools
Year of expected completion: 2015	
Status: Extended	**Justification for cancelling the deliverable:** There were delays inherent to the implementation of certain updates, due to lack of coordination between web developer and R package developer. Expected completion date is April 30th 2016 or earlier if possible.

Next-user
Agricultural researchers
Knowledge, attitude, skills and practice changes expected in next-user: Agricultural researchers incl. women, gain knowledge and increase their capacity to use the Climate Analogue methodology to combine climate variables with socio-economic and soil properties. Agricultural researchers incl. women, gain skills in using the Climate Analogues methodology in the new R package.
Strategies (facilitation, engagement, knowledge sharing etc.) will be used to encourage and enable next-user to utilize deliverables and adopt changes: Workshops will be carried out to build further capacity to use the methodology for specific studies. We will actively promote the online tool and the stand alone version

Partners contributing to this deliverable
Partner #1 (Responsible): Arango Londoño, David <d.arango@cgiar.org>, CIAT - Centro Internacional de Agricultura Tropical
Partner #2: Ramirez Villegas, Julian <j.r.villegas@cgiar.org>, University of Leeds

Deliverable Ranking	
Address gender and social inclusion aspect	3
Potential for/ actual contribution to outcomes	4
Level of shared ownership (partnerships across org.)	4
What is your personal perspective of the importance of this product	5

Deliverable dissemination
Open access restriction: Yes
License adopted: <Not defined>

Dissemination Channel: other

Dissemination URL: <Not defined>

Deliverable Metadata
Description: During this year we focused effort in the develop of a new version of climate analogues tool, with the overarching aim of explaining in an easy way the concept of analogues and the potential uses. Also we made changes to the appearance to reflect better integration with the design of the CCAFS web portal. On the other hand, we developed a new R package of analogues that include specific functions to run the socio-economic approach, that we developed jointly with the CCAFS South Asia regional program. In terms of traffic, the statistics show stability in the number of users with 3,475 of visits in the tool from different countries including the United States, the United Kingdom, Colombia, Australia and Kenya.
Creator / Authors: Arango, D., Ramirez-Villegas, J. et al.
Author Identifier: n/a
Publication / Creation date: 2016
Language: English
Coverage: Global

Deliverable Data sharing
Climate_Analogues Report_2015.pdf

Deliverable #4

Main Information	
Title: Timescales of transformational climate change adaptation in sub-Saharan African agriculture	
MOG # 2: Biophysical, socio-economical and tradeoffs analyses (incl. enabling environments and gender), innovative methods, engagement approaches and customized decision support tools for CSA prioritization, wide scale adoption, local adaptation and investment planning (LAM, WA, EA, SA, SEA)	
Main Type: Peer reviewed Publications	**Sub Type:** Peer-reviewed journal articles
Year of expected completion: 2015	
Status: Complete	

Next-user
Scientists in CGIAR centres, CCAFS WA and EA regional leaders, and the IPCC
Knowledge, attitude, skills and practice changes expected in next-user: Analyses of cropping system transformations help with longer-term planning of CSA options across CCAFS target regions, particularly in terms of identifying key crops and areas where CSA investment should focus.

Strategies (facilitation, engagement, knowledge sharing etc.) will be used to encourage and enable next-user to utilize deliverables and adopt changes: Involvement while conducting research (i.e. engagement), sharing of datasets and knowledge through CCAFS platforms (e.g. AMKN)

Partners contributing to this deliverable
Partner #1 (Responsible): Ramirez Villegas, Julian <j.r.villegas@cgiar.org>, University of Leeds
Partner #2: <Not defined>
Partner #3: <Not defined>

Deliverable Ranking	
Address gender and social inclusion aspect	1
Potential for/ actual contribution to outcomes	5
Level of shared ownership (partnerships across org.)	4
What is your personal perspective of the importance of this product	5

Deliverable dissemination
Open access restriction: Limited Exclusivity Agreements
License adopted: <Not defined>
Dissemination Channel: other
Dissemination URL: http://www.nature.com/nclimate/index.html

Deliverable Metadata
Description: Peer reviewed article published in Nature Climate Change
Creator / Authors: Rippke, U; Ramirez-Villegas et al.
Author Identifier: orcid.org/0000-0002-8044-583X
Publication / Creation date: 2016
Language: English
Coverage: sub-Saharan Africa

Deliverable Data sharing
Deliverable files <Not defined>

Submitted on 2016-03-04 at 15:28 UTC

Deliverable #5

Main Information	
Title: Climate change impacts on rice crop distribution in Colombia	
MOG # 2: Biophysical, socio-economical and tradeoffs analyses (incl. enabling environments and gender), innovative methods, engagement approaches and customized decision support tools for CSA prioritization, wide scale adoption, local adaptation and investment planning (LAM, WA, EA, SA, SEA)	
Main Type: Peer reviewed Publications	**Sub Type:** Peer-reviewed journal articles
Year of expected completion: 2015	
Status: On-going	**Justification for cancelling the deliverable:** First draft of paper has been completed and is now being revised by first author (F. Castro)

Next-user
Regional rice institution (Fedearroz), FLAR, rice scientists at CIAT, and the IPCC
Knowledge, attitude, skills and practice changes expected in next-user: Country-specific analyses of changes in rice crop niches should help identifying CSA interventions amongst crops and areas within CCAFS regions.
Strategies (facilitation, engagement, knowledge sharing etc.) will be used to encourage and enable next-user to utilize deliverables and adopt changes: Involvement while conducting research (i.e. engagement), sharing of datasets and knowledge through CCAFS platforms (e.g. AMKN)

Partners contributing to this deliverable
Partner #1 (Responsible): Ramirez Villegas, Julian <j.r.villegas@cgiar.org>, CIAT - Centro Internacional de Agricultura Tropical
Partner #2: Ramirez Villegas, Julian <j.r.villegas@cgiar.org>, University of Leeds

Deliverable Ranking	
Address gender and social inclusion aspect	<Not defined>
Potential for/ actual contribution to outcomes	<Not defined>
Level of shared ownership (partnerships across org.)	<Not defined>
What is your personal perspective of the importance of this product	<Not defined>

Deliverable dissemination
Open access restriction: <Not defined>
License adopted: <Not defined>
Dissemination Channel: -1

Dissemination URL: <Not defined>

Deliverable Metadata
Description: <Not defined>
Creator / Authors: <Not defined>
Author Identifier: <Not defined>
Publication / Creation date: <Not defined>
Language: <Not defined>
Coverage: <Not defined>

Deliverable Data sharing
Deliverable files <Not defined>

Deliverable #6

Main Information	
Title: Systematic differences in crop yield response to climate resulting from heterogeneity in cropping intensity	
MOG # 2: Biophysical, socio-economical and tradeoffs analyses (incl. enabling environments and gender), innovative methods, engagement approaches and customized decision support tools for CSA prioritization, wide scale adoption, local adaptation and investment planning (LAM, WA, EA, SA, SEA)	
Main Type: Peer reviewed Publications	**Sub Type:** Peer-reviewed journal articles
Year of expected completion: 2015	
Status: Complete	

Next-user
Scientists
Knowledge, attitude, skills and practice changes expected in next-user: Better understanding of uncertainty (in relation to scale) in yield responses to future climate change. The paper also highlights the importance of land use patterns when conducting impacts assessments, and so brings into place the potential for the joint use of suitability and yield models.
Strategies (facilitation, engagement, knowledge sharing etc.) will be used to encourage and enable next-user to utilize deliverables and adopt changes: Communication of results post paper publication and engagement in IPCC process.

Partners contributing to this deliverable
Partner #1 (Responsible): Challinor, Andrew <a.j.challinor@leeds.ac.uk>, University of Leeds

Deliverable Ranking	
Address gender and social inclusion aspect	1
Potential for/ actual contribution to outcomes	4
Level of shared ownership (partnerships across org.)	1
What is your personal perspective of the importance of this product	5

Deliverable dissemination
Open access restriction: Limited Exclusivity Agreements
License adopted: <Not defined>
Dissemination Channel: other
Dissemination URL: http://onlinelibrary.wiley.com/doi/10.1111/gcb.12808/abstract

Deliverable Metadata
Description: Peer-reviewed article published in Global Change Biology, entitled "Crop yield response to climate change varies with cropping intensity"
Creator / Authors: Challinor, A.J. et al.
Author Identifier: http://www.researcherid.com/rid/C-4992-2008
Publication / Creation date: 2015
Language: English
Coverage: Tropical areas

Deliverable Data sharing
Deliverable files <Not defined>

Deliverable #7

Main Information
Title: Towards a genotypic adaptation for Indian groundnut using model ensembles

MOG # 2: Biophysical, socio-economical and tradeoffs analyses (incl. enabling environments and gender), innovative methods, engagement approaches and customized decision support tools for CSA prioritization, wide scale adoption, local adaptation and investment planning (LAM, WA, EA, SA, SEA)

Main Type: Peer reviewed Publications	**Sub Type:** Peer-reviewed journal articles

Year of expected completion: 2015

Status: Complete

Next-user

Scientists and breeders

Knowledge, attitude, skills and practice changes expected in next-user: Knowledge on robustness of genotypic adaptation strategies relates well with existing studies conducted at ICRISAT (by Dr. Piara Singh) and we expect to share our findings with the lead scientists of the corresponding studies. The combination of both studies is expected to feed into ongoing breeding efforts in ICRISAT.

Strategies (facilitation, engagement, knowledge sharing etc.) will be used to encourage and enable next-user to utilize deliverables and adopt changes: Knowledge sharing, and publication of data in CCAFS platforms (e.g. AMKN)

Partners contributing to this deliverable

Partner #1 (Responsible): Ramirez Villegas, Julian <j.r.villegas@cgiar.org>, University of Leeds

Deliverable Ranking

Address gender and social inclusion aspect	1
Potential for/ actual contribution to outcomes	5
Level of shared ownership (partnerships across org.)	3
What is your personal perspective of the importance of this product	4

Deliverable dissemination

Open access restriction: Limited Exclusivity Agreements

License adopted: <Not defined>

Dissemination Channel: other

Dissemination URL: <Not defined>

Deliverable Metadata

Description: Peer reviewed article accepted in the journal Climatic Change.

Creator / Authors: Ramirez-Villegas, J. and Challinor, A.J.

Author Identifier: orcid.org/0000-0002-8044-583X

Publication / Creation date: 2016

Language: English

Coverage: India

Deliverable Data sharing
Deliverable files <Not defined>

Deliverable #8

Main Information	
Title: Adapting breeding and delivery of maize varieties for warming climates	
MOG # 2: Biophysical, socio-economical and tradeoffs analyses (incl. enabling environments and gender), innovative methods, engagement approaches and customized decision support tools for CSA prioritization, wide scale adoption, local adaptation and investment planning (LAM, WA, EA, SA, SEA)	
Main Type: Peer reviewed Publications	**Sub Type:** Peer-reviewed journal articles
Year of expected completion: 2015	
Status: Complete	

Next-user
Scientists (Breeders)
Knowledge, attitude, skills and practice changes expected in next-user: Participating CIMMYT scientists improve knowledge on relevant processes that can reduce yields under future climates, and can hence bring these results to broader attention of their institution.
Strategies (facilitation, engagement, knowledge sharing etc.) will be used to encourage and enable next-user to utilize deliverables and adopt changes: Engagement of relevant scientists (Jill Cairns and Kai Sonder).

Partners contributing to this deliverable
Partner #1 (Responsible): Challinor, Andrew <a.j.challinor@leeds.ac.uk>, University of Leeds
Partner #2: Cairns, Jill <j.cairns@cgiar.org>, CIMMYT - International Maize and Wheat Improvement Center
Partner #3: Sonder, Kai <k.sonder@cgiar.org>, CIMMYT - International Maize and Wheat Improvement Center
Partner #4: Das, Biswanath <b.das@cgiar.org>, CIMMYT - International Maize and Wheat Improvement Center

Deliverable Ranking	
Address gender and social inclusion aspect	1
Potential for/ actual contribution to outcomes	5
Level of shared ownership (partnerships across org.)	5
What is your personal perspective of the importance of this product	5

Deliverable dissemination
Open access restriction: Limited Exclusivity Agreements
License adopted: <Not defined>
Dissemination Channel: -1
Dissemination URL: <Not defined>

Deliverable Metadata
Description: Peer reviewed article currently under revision in Nature Climate Change
Creator / Authors: Challinor, A.J. et al.
Author Identifier: http://www.researcherid.com/rid/C-4992-2008
Publication / Creation date: 2016
Language: English
Coverage: Global

Deliverable Data sharing
Deliverable files <Not defined>

Deliverable #9

Main Information	
Title: Assessing uncertainty and complexity in regional-scale crop model simulations	
MOG # 2: Biophysical, socio-economical and tradeoffs analyses (incl. enabling environments and gender), innovative methods, engagement approaches and customized decision support tools for CSA prioritization, wide scale adoption, local adaptation and investment planning (LAM, WA, EA, SA, SEA)	
Main Type: Peer reviewed Publications	**Sub Type:** Peer-reviewed journal articles
Year of expected completion: 2015	

Status: Complete

Next-user
Crop modellers globally
Knowledge, attitude, skills and practice changes expected in next-user: Improved knowledge on model improvement and key uncertainties.
Strategies (facilitation, engagement, knowledge sharing etc.) will be used to encourage and enable next-user to utilize deliverables and adopt changes: Engagement of relevant scientists and sharing of data and knowledge within broader audiences, including conferences (i.e. iCropM)

Partners contributing to this deliverable
Partner #1 (Responsible): Ramirez Villegas, Julian <j.r.villegas@cgiar.org>, University of Leeds

Deliverable Ranking	
Address gender and social inclusion aspect	1
Potential for/ actual contribution to outcomes	4
Level of shared ownership (partnerships across org.)	3
What is your personal perspective of the importance of this product	5

Deliverable dissemination
Open access restriction: Limited Exclusivity Agreements
License adopted: <Not defined>
Dissemination Channel: other
Dissemination URL: http://www.sciencedirect.com/science/article/pii/S1161030115300666

Deliverable Metadata
Description: Peer reviewed article published in European Journal of Agronomy
Creator / Authors: Ramirez-Villegas, J. et al.
Author Identifier: orcid.org/0000-0002-8044-583X
Publication / Creation date: 2015
Language: English
Coverage: India

Deliverable Data sharing

Deliverable files
<Not defined>

Deliverable #10

Main Information	
Title: Drought impact on rainfed common beans production areas in Brazil	
MOG # 2: Biophysical, socio-economical and tradeoffs analyses (incl. enabling environments and gender), innovative methods, engagement approaches and customized decision support tools for CSA prioritization, wide scale adoption, local adaptation and investment planning (LAM, WA, EA, SA, SEA)	
Main Type: Peer reviewed Publications	**Sub Type:** Peer-reviewed journal articles
Year of expected completion: 2015	
Status: Complete	

Next-user
Breeders of EMBRAPA
Knowledge, attitude, skills and practice changes expected in next-user: Knowledge of the importance of drought stress for common bean breeding in Brazil.
Strategies (facilitation, engagement, knowledge sharing etc.) will be used to encourage and enable next-user to utilize deliverables and adopt changes: Engagement through collaborative research and sharing of research output.

Partners contributing to this deliverable
Partner #1 (Responsible): Heinemann, Alexandre <alexandre.heinemann@embrapa.br>, EMBRAPA - Empresa Brasileira de Pesquisa Agropecuária
Partner #2: Ramirez Villegas, Julian <j.r.villegas@cgiar.org>, University of Leeds

Deliverable Ranking	
Address gender and social inclusion aspect	1
Potential for/ actual contribution to outcomes	5
Level of shared ownership (partnerships across org.)	5
What is your personal perspective of the importance of this product	5

Deliverable dissemination
Open access restriction: Limited Exclusivity Agreements

License adopted: <Not defined>

Dissemination Channel: -1

Dissemination URL: <Not defined>

Deliverable Metadata
Description: Peer reviewed article in revision in Agricultural and Forest Meteorology.
Creator / Authors: Heinemann, A.B. et al.
Author Identifier: n/a
Publication / Creation date: 2015
Language: English
Coverage: Goias, Brazil

Deliverable Data sharing
Deliverable files <Not defined>

Deliverable #11

Main Information	
Title: Review of progress on Breeding Strategies work	
MOG # 1: Context specific (targeted) suitable CSA options and portfolios that build on traditional knowledge, meet the needs of farmers and enhance productivity, adaptive capacity, food security and social equity (LAM, WA, EA, SA, SEA)	
Main Type: Reports, Reference Materials and Other Papers	**Sub Type:** Research report
Year of expected completion: 2015	
Status: On-going	**Justification for cancelling the deliverable:** Outline defined and CGIAR co-authors invited. We expect release of this report in mid-2016

Next-user
CCAFS Flagship 1 leadership
Knowledge, attitude, skills and practice changes expected in next-user: Information needed to decide whether this activity has contributed as expected to Flagship outcomes so as to decide on its continuity.

Strategies (facilitation, engagement, knowledge sharing etc.) will be used to encourage and enable next-user to utilize deliverables and adopt changes: engagement

Partners contributing to this deliverable
Partner #1 (Responsible): Ramirez Villegas, Julian <j.r.villegas@cgiar.org>, University of Leeds
Partner #2: Rebolledo Cid, Maria Camila <m.c.rebolledo@cgiar.org>, CIAT - Centro Internacional de Agricultura Tropical
Partner #3: Grenier, Cecile <c.grenier@cgiar.org>, CIAT - Centro Internacional de Agricultura Tropical
Partner #4: Cairns, Jill <j.cairns@cgiar.org>, CIMMYT - International Maize and Wheat Improvement Center
Partner #5: Heinemann, Alexandre <alexandre.heinemann@embrapa.br>, EMBRAPA - Empresa Brasileira de Pesquisa Agropecuária

Deliverable Ranking	
Address gender and social inclusion aspect	<Not defined>
Potential for/ actual contribution to outcomes	<Not defined>
Level of shared ownership (partnerships across org.)	<Not defined>
What is your personal perspective of the importance of this product	<Not defined>

Deliverable dissemination
Open access restriction: <Not defined>
License adopted: <Not defined>
Dissemination Channel: -1
Dissemination URL: <Not defined>

Deliverable Metadata
Description: <Not defined>
Creator / Authors: <Not defined>
Author Identifier: <Not defined>
Publication / Creation date: <Not defined>
Language: <Not defined>
Coverage: <Not defined>

Deliverable Data sharing
Deliverable files <Not defined>

Deliverable #12

Main Information	
Title: Construction of a collaborative research agenda for constructing a CSA evidence base	
MOG # 3: Approaches, strategies and scaling up/out mechanisms (e.g CSV), for enhanced adaptive capacity and resilience from the field to the sub-national level (LAM, WA, SA, EA, SEA)	
Main Type: Reports, Reference Materials and Other Papers	**Sub Type:** Discussion paper
Year of expected completion: 2015	
Status: Complete	

Next-user
FS1 team
Knowledge, attitude, skills and practice changes expected in next-user: A clear research agenda should orient ourselves towards improving the evidence base of CSA, in direct collaboration with FS1 projects.
Strategies (facilitation, engagement, knowledge sharing etc.) will be used to encourage and enable next-user to utilize deliverables and adopt changes: Engagement, knowledge sharing

Partners contributing to this deliverable
Partner #1 (Responsible): Ramirez Villegas, Julian <j.r.villegas@cgiar.org>, University of Leeds
Partner #2: Rosenstock, Todd <t.rosenstock@cgiar.org>, ICRAF - World Agroforestry Centre
Partner #3: Jimenez, Daniel <d.jimenez@cgiar.org>, CIAT - Centro Internacional de Agricultura Tropical

Deliverable Ranking	
Address gender and social inclusion aspect	1
Potential for/ actual contribution to outcomes	5
Level of shared ownership (partnerships across org.)	5
What is your personal perspective of the importance of this product	5

Deliverable dissemination

Open access restriction: Yes

License adopted: CC-BY-NC-ND

Dissemination Channel: cgspace

Dissemination URL: https://cgspace.cgiar.org/handle/10568/70259

Deliverable Metadata

Description: Planning robust climate-smart development programs can be done today with existing information.
We propose a risk-household-option modeling approach to address household food security under climate change in Africa.
Through a case study in Niger, we demonstrate that prioritizing CSA is possible by taking into account livelihood status, risks, and potential effects of CSA practices.

Creator / Authors: Lamanna C,Ramirez-Villegas J,van Wijk M,Corner-Dolloff C,Girvetz E,Rosenstock T

Author Identifier: orcid.org/0000-0002-8044-583X

Publication / Creation date: 2016-02-02T15:51:23Z,2016-02-02T15:51:23Z,2015-11-15

Language: en

Coverage: Africa

Deliverable Data sharing

Deliverable files
<Not defined>

Deliverable #13

Main Information

Title: Scientific documentation about comparison and evaluation of several bias correction/dowscaling methodologies focusing on agriculture

MOG # 2: Biophysical, socio-economical and tradeoffs analyses (incl. enabling environments and gender), innovative methods, engagement approaches and customized decision support tools for CSA prioritization, wide scale adoption, local adaptation and investment planning (LAM, WA, EA, SA, SEA)

Main Type: Reports, Reference Materials and Other Papers

Sub Type: Working paper

Year of expected completion: 2015

Status: Complete

Next-user #1

Scientists from academia and research institutes from all over the world addressing different fields especially crop modelers and agro-climatologist.

Knowledge, attitude, skills and practice changes expected in next-user: CCAFS Climate will provide knowledge for impact studies which generated greater understanding of the possible risks posed by progressive climate change over agriculture.

Strategies (facilitation, engagement, knowledge sharing etc.) will be used to encourage and enable next-user to utilize deliverables and adopt changes: Data available on website, blog posts and at least one scientific paper.

Next-user #2

Foundations, NGOs, not-research international organizations, non-research national level institutions, donors and governmental institutions

Knowledge, attitude, skills and practice changes expected in next-user: CCAFS Climate will provide knowledge and data which are the basis to guide and inform policy and decision making.

Strategies (facilitation, engagement, knowledge sharing etc.) will be used to encourage and enable next-user to utilize deliverables and adopt changes: Data available on website, blog posts, communication products and at least one scientific paper.

Partners contributing to this deliverable

Partner #1 (Responsible): Navarro Racines, Carlos Eduardo <c.e.navarro@cgiar.org>, CIAT - Centro Internacional de Agricultura Tropical

Partner #2: Ramirez Villegas, Julian <j.r.villegas@cgiar.org>, University of Leeds

Deliverable Ranking

Address gender and social inclusion aspect	1
Potential for/ actual contribution to outcomes	5
Level of shared ownership (partnerships across org.)	3
What is your personal perspective of the importance of this product	5

Deliverable dissemination

Open access restriction: Yes

License adopted: CC-BY-NC-ND

Dissemination Channel: other

Dissemination URL: http://ccafs-climate.org/downloads/docs/BC_methods_explaining_v2_jrv.pdf

Deliverable Metadata

Description: Working brief describing methodologies and data used for the bias-correction tool, including a basic comparison of the different methodologies.

Creator / Authors: Navarro, C.E. and Tarapues, J.E.

Author Identifier: n/a

Publication / Creation date: 2016

Language: English

Coverage: Global

Deliverable Data sharing

Deliverable files
<Not defined>

Deliverable #14

Main Information

Title: Improved CCAFS-climate interface allowing query of bias corrected CMIP5 daily data for crop modelling

MOG # 2: Biophysical, socio-economical and tradeoffs analyses (incl. enabling environments and gender), innovative methods, engagement approaches and customized decision support tools for CSA prioritization, wide scale adoption, local adaptation and investment planning (LAM, WA, EA, SA, SEA)

Main Type: Data and information outputs, including datasets, databases and models

Sub Type: Data

Year of expected completion: 2015

Status: Complete

Next-user #1

Scientists from academia and research institutes from all over the world addressing different fields (biodiversity, crop modelling, and ecosystem functioning)

Knowledge, attitude, skills and practice changes expected in next-user: CCAFS Climate will generate knowledge for impact studies which generated greater understanding of the possible risks posed by progressive climate change over agriculture.

Strategies (facilitation, engagement, knowledge sharing etc.) will be used to encourage and enable next-user to utilize deliverables and adopt changes: Data available on website, blog posts,communication products and at least one scientific paper.

Next-user #2

Foundations, NGOs, not-research international organizations, non-research national level institutions, donors and governmental institutions
Knowledge, attitude, skills and practice changes expected in next-user: CCAFS Climate will generate knowledge and data which are the basis for policy and decision making.
Strategies (facilitation, engagement, knowledge sharing etc.) will be used to encourage and enable next-user to utilize deliverables and adopt changes: Data available on website, blog posts,communication products and at least one scientific paper.

Partners contributing to this deliverable
Partner #1 (Responsible): Navarro Racines, Carlos Eduardo <c.e.navarro@cgiar.org>, CIAT - Centro Internacional de Agricultura Tropical
Partner #2: Ramirez Villegas, Julian <j.r.villegas@cgiar.org>, University of Leeds

Deliverable Ranking	
Address gender and social inclusion aspect	1
Potential for/ actual contribution to outcomes	5
Level of shared ownership (partnerships across org.)	3
What is your personal perspective of the importance of this product	5

Deliverable dissemination
Open access restriction: Yes
License adopted: CC-BY-NC-ND
Dissemination Channel: other
Dissemination URL: http://ccafs-climate.org/data_bias_corrected/

Deliverable Metadata
Description: Online tool within www.ccafs-climate.org for bias correction of CMIP5 GCM model output at daily timescales.
Creator / Authors: Tarapues, J.E., Navarro, C.E., Ramirez-Villegas, J.
Author Identifier: n/a
Publication / Creation date: 2016
Language: English
Coverage: Global

Deliverable Data sharing
Deliverable files <Not defined>

Deliverable #15

Main Information	
Title: Report on different approaches for CSA metrics with concrete recommendations	
MOG # 2: Biophysical, socio-economical and tradeoffs analyses (incl. enabling environments and gender), innovative methods, engagement approaches and customized decision support tools for CSA prioritization, wide scale adoption, local adaptation and investment planning (LAM, WA, EA, SA, SEA)	
Main Type: Reports, Reference Materials and Other Papers	**Sub Type:** Research report
Year of expected completion: 2015	
Status: Complete	

Next-user
USAID, DFID, WB, IFAD, Norway, FAO and CSA research community
Knowledge, attitude, skills and practice changes expected in next-user: Develop a common understanding of CSA, indicators and processes for guiding its development and assessment of impacts.
Strategies (facilitation, engagement, knowledge sharing etc.) will be used to encourage and enable next-user to utilize deliverables and adopt changes: Workshop organized in Paris with USAID, FAO, BMZ, IDRC, Swiss Agency for Cooperation, IFAD, WB, OECD, Statistics Norway, Shared Value Africa) to share frameworks, approaches and metrics been used to design CSA programs; explore needed metrics and agree on next required steps to improve targeting and outcome assessment.

Partners contributing to this deliverable
Partner #1 (Responsible): Bonilla, Osana <o.bonilla@cgiar.org>, FP1 Leader - FP1 Leader

Deliverable Ranking	
Address gender and social inclusion aspect	2
Potential for/ actual contribution to outcomes	3
Level of shared ownership (partnerships across org.)	4
What is your personal perspective of the importance of this product	3

Deliverable dissemination
Open access restriction: Yes

License adopted: <Not defined>

Dissemination Channel: -1

Dissemination URL: <Not defined>

Deliverable Metadata
Description: Multi- agencies CSA metrics Workshop report. This high level event held in Paris aimed to: ? share frameworks and metrics that different CSA and resilience programs are using ? discuss the appropriate approaches and metrics to design CSA programs, based on current science and feedback from the scientific experts and, ? explore the metrics that should be used to track outcomes of CSA programs
Creator / Authors: Osana Bonilla-Findji
Author Identifier: <Not defined>
Publication / Creation date: March 2015
Language: english
Coverage: Paris, France

Deliverable Data sharing
Metrics Workshop Report 2015.pdf

Deliverable #16

Main Information	
Title: Synthesis report " Feed the Future Portfolio analysis for CSA Entry Points"	
MOG # 3: Approaches, strategies and scaling up/out mechanisms (e.g CSV), for enhanced adaptive capacity and resilience from the field to the sub-national level (LAM, WA, SA, EA, SEA)	
Main Type: Reports, Reference Materials and Other Papers	**Sub Type:** Research report
Year of expected completion: 2016	
Status: On-going	**Justification for cancelling the deliverable:** A review Feed the Future programs across its 19 focus countries in preparation. 5 "deep-dives" were conducted accross Zambia, Rwanda, Bangladesh, Senegal and Honduras to assess specific FTF projects and their relevance to CSA. Each deep dive resulted in guidance report sent back to Mission directors on promising opportunities and entry points to bolster CSA outcomes through different systems and agro-ecologies.

Next-user
USAID
Knowledge, attitude, skills and practice changes expected in next-user: Mainstreaming CSA thinking and inclusion in USAID FTF interventions and M&E
Strategies (facilitation, engagement, knowledge sharing etc.) will be used to encourage and enable next-user to utilize deliverables and adopt changes: The synthesis report will review the case studies and the broader FTF strategy and provide guidance on strategic directions that USAID might take to bolster CSA outcomes. A retreat will be organised in DC to discuss results and support USAID in its CSA thinking in FTF.

Partners contributing to this deliverable
Partner #1 (Responsible): Jarvis, Andy <a.jarvis@CGIAR.ORG>, FP1 Leader - FP1 Leader
Partner #2: Martinez, Deissy <d.m.baron@cgiar.org>, CIAT - Centro Internacional de Agricultura Tropical

Deliverable Ranking	
Address gender and social inclusion aspect	1
Potential for/ actual contribution to outcomes	3
Level of shared ownership (partnerships across org.)	3
What is your personal perspective of the importance of this product	3

Deliverable dissemination
Open access restriction: Limited Exclusivity Agreements
License adopted: <Not defined>
Dissemination Channel: -1
Dissemination URL: <Not defined>

Deliverable Metadata
Description: <Not defined>
Creator / Authors: Andy Jarvis
Author Identifier: <Not defined>
Publication / Creation date: pending
Language: English
Coverage: Global

Deliverable Data sharing
Deliverable files <Not defined>

Deliverable #17

Main Information	
Title: Updated database/ Compendium on scalable technologies (incl. USAID's) with CSA benefits	
MOG # 2: Biophysical, socio-economical and tradeoffs analyses (incl. enabling environments and gender), innovative methods, engagement approaches and customized decision support tools for CSA prioritization, wide scale adoption, local adaptation and investment planning (LAM, WA, EA, SA, SEA)	
Main Type: Data and information outputs, including datasets, databases and models	**Sub Type:** Data
Year of expected completion: 2016	
Status: On-going	**Justification for cancelling the deliverable:** Ralated to a bilateral project still ongoing. This deliverable will be delivered in 2016 in the form of: Xrays. Xrays is part shareholder report and part infographic to provide a data-driven, but digestible, analysis of the impact technologies and practices have on productivity, resilience and greenhouse gas emissions and removals in just two pages. It relies on synthetic meta-analytical techniques for common indicators, new metrics/analyses, and literature review to generate this bare bones and rapid assessment. X-rays can be created for individual technologies, places or technologies given places. The pilot X-rays will be on (1) improved varieties of maize in sub-Saharan Africa, (2) climate-smart crop production in Tanzania, and (3) conservation agriculture in southern Africa will be shared at the USAID GLEE event in March 2016.

Next-user
USAID
Knowledge, attitude, skills and practice changes expected in next-user: We expect to mainstream the climatic and CSA triple outcome lenses and thinking on USAID's missions and agricultural interventions leading thus to large impacts in terms of strengthening productivity but also resilience and adaptive capacity in their zones of influence.

Strategies (facilitation, engagement, knowledge sharing etc.) will be used to encourage and enable next-user to utilize deliverables and adopt changes: Together with USAID, we may evaluate the scalable technologies that USAID currently promotes and provide insight on the contribution of those technologies to CSA outcomes, with quantitative data whenever possible.

Partners contributing to this deliverable
Partner #1 (Responsible): Rosenstock, Todd <t.rosenstock@cgiar.org>, ICRAF - World Agroforestry Centre

Deliverable Ranking	
Address gender and social inclusion aspect	<Not defined>
Potential for/ actual contribution to outcomes	4
Level of shared ownership (partnerships across org.)	3
What is your personal perspective of the importance of this product	4

Deliverable dissemination
Open access restriction: <Not defined>
License adopted: <Not defined>
Dissemination Channel: -1
Dissemination URL: <Not defined>

Deliverable Metadata
Description: <Not defined>
Creator / Authors: Todd Rosenstock
Author Identifier: <Not defined>
Publication / Creation date: <Not defined>
Language: english
Coverage: Africa

Deliverable Data sharing
Deliverable files <Not defined>

Deliverable #18

Submitted on 2016-03-04 at 15:28 UTC

Main Information	
Title: Contributions to SBSTA submission on climate change impacts on crop and livestock production	
MOG # 2: Biophysical, socio-economical and tradeoffs analyses (incl. enabling environments and gender), innovative methods, engagement approaches and customized decision support tools for CSA prioritization, wide scale adoption, local adaptation and investment planning (LAM, WA, EA, SA, SEA)	
Main Type: Reports, Reference Materials and Other Papers	**Sub Type:** Working paper
Year of expected completion: 2015	
Status: Complete	

Next-user
COMESA, African Group of Negotiators
Knowledge, attitude, skills and practice changes expected in next-user: Improved knowledge on climate change impacts and adaptation pathways
Strategies (facilitation, engagement, knowledge sharing etc.) will be used to encourage and enable next-user to utilize deliverables and adopt changes: Info Note, CCAFS presentations, and direct interaction with COMESA

Partners contributing to this deliverable
Partner #1 (Responsible): Ramirez Villegas, Julian <j.r.villegas@cgiar.org>, University of Leeds
Partner #2: Rosenstock, Todd <t.rosenstock@cgiar.org>, ICRAF - World Agroforestry Centre
Partner #3: <Not defined>

Deliverable Ranking	
Address gender and social inclusion aspect	1
Potential for/ actual contribution to outcomes	5
Level of shared ownership (partnerships across org.)	4
What is your personal perspective of the importance of this product	4

Deliverable dissemination
Open access restriction: Yes
License adopted: CC-NC-ND
Dissemination Channel: cgspace
Dissemination URL: https://cgspace.cgiar.org/rest/bitstreams/54957/retrieve

Deliverable Metadata
Description: Working paper on Climate change impacts on African crop production, co-authored by Julian Ramirez-Villegas and Philip K. Thornton, and submitted as part of the CCAFS supporting documents to the 2015 African submission to SBSTA.
Creator / Authors: Ramirez-Villegas, J. and Thronton, P. K.
Author Identifier: orcid.org/0000-0002-8044-583X
Publication / Creation date: 2015
Language: English
Coverage: Africa

Deliverable Data sharing
Deliverable files <Not defined>

Deliverable #19

Main Information	
Title: Variation and impact of drought-stress across upland rice target population of environments in Brazil	
MOG # 2: Biophysical, socio-economical and tradeoffs analyses (incl. enabling environments and gender), innovative methods, engagement approaches and customized decision support tools for CSA prioritization, wide scale adoption, local adaptation and investment planning (LAM, WA, EA, SA, SEA)	
Main Type: Peer reviewed Publications	**Sub Type:** Peer-reviewed journal articles
Year of expected completion: 2015	
Status: Complete	

Next-user
EMBRAPA breeders
Knowledge, attitude, skills and practice changes expected in next-user: breeders will have better understanding of the distribution and impact of drought stress on upland rice systems in Central Brazil. This will lead to improved breeding practice, including more appropriate variety selection trials.
Strategies (facilitation, engagement, knowledge sharing etc.) will be used to encourage and enable next-user to utilize deliverables and adopt changes: engagement and sharing of results via online interface

Partners contributing to this deliverable

Partner #1 (Responsible): Heinemann, Alexandre <alexandre.heinemann@embrapa.br>, EMBRAPA - Empresa Brasileira de Pesquisa Agropecuária

Partner #2: Ramirez Villegas, Julian <j.r.villegas@cgiar.org>, University of Leeds

Partner #3: Arango Londoño, David <d.arango@cgiar.org>, CIAT - Centro Internacional de Agricultura Tropical

Deliverable Ranking	
Address gender and social inclusion aspect	1
Potential for/ actual contribution to outcomes	4
Level of shared ownership (partnerships across org.)	5
What is your personal perspective of the importance of this product	5

Deliverable dissemination

Open access restriction: Limited Exclusivity Agreements

License adopted: <Not defined>

Dissemination Channel: other

Dissemination URL: http://jxb.oxfordjournals.org/content/66/12/3625

Deliverable Metadata

Description: Paper published in Journal of Experimental Botany (JXB), entitled: Variation and impact of drought-stress patterns across upland rice target population of environments in Brazil.

Creator / Authors: Heinemann, A.B. et al.

Author Identifier: n/a

Publication / Creation date: 2015

Language: English

Coverage: Brazilian savannah

Deliverable Data sharing

Deliverable files
<Not defined>

Deliverable #20

Submitted on 2016-03-04 at 15:28 UTC

Main Information

Title: Identifying traits for genotypic adaptation using crop models

MOG # 2: Biophysical, socio-economical and tradeoffs analyses (incl. enabling environments and gender), innovative methods, engagement approaches and customized decision support tools for CSA prioritization, wide scale adoption, local adaptation and investment planning (LAM, WA, EA, SA, SEA)

Main Type: Peer reviewed Publications	**Sub Type:** Peer-reviewed journal articles

Year of expected completion: 2015

Status: Complete

Next-user

Modelling and breeding scientists

Knowledge, attitude, skills and practice changes expected in next-user: Improved understanding of key knowledge gaps for modelling breeding strategies under climate change. The paper reviews the potential of genotypic adaptation, framing it as a key opportunity for climate change adaptation, and it also identifies it how models can be better targeted towards breeding.

Strategies (facilitation, engagement, knowledge sharing etc.) will be used to encourage and enable next-user to utilize deliverables and adopt changes: knowledge sharing

Partners contributing to this deliverable

Partner #1 (Responsible): Ramirez Villegas, Julian <j.r.villegas@cgiar.org>, University of Leeds

Deliverable Ranking

Address gender and social inclusion aspect	1
Potential for/ actual contribution to outcomes	5
Level of shared ownership (partnerships across org.)	1
What is your personal perspective of the importance of this product	5

Deliverable dissemination

Open access restriction: Limited Exclusivity Agreements

License adopted: <Not defined>

Dissemination Channel: other

Dissemination URL: http://jxb.oxfordjournals.org/content/66/12/3451

Deliverable Metadata

Description: Journal article published in Journal of Experimental Botany (JXB), entitled: "Identifying traits for genotypic adaptation using crop models"

Creator / Authors: Ramirez-Villegas, J. et al.

Author Identifier: orcid.org/0000-0002-8044-583X

Publication / Creation date: 2015

Language: English

Coverage: Global

Deliverable Data sharing
Deliverable files <Not defined>

Deliverable #21

Main Information	
Title: Breeding implications of projected changes in drought stress for upland rice in Central Brazil	
MOG # 2: Biophysical, socio-economical and tradeoffs analyses (incl. enabling environments and gender), innovative methods, engagement approaches and customized decision support tools for CSA prioritization, wide scale adoption, local adaptation and investment planning (LAM, WA, EA, SA, SEA)	
Main Type: Peer reviewed Publications	**Sub Type:** Peer-reviewed journal articles
Year of expected completion: 2016	
Status: On-going	**Justification for cancelling the deliverable:** Simulation work has been completed, paper being written

Next-user
EMBRAPA breeders and eco-physiologists
Knowledge, attitude, skills and practice changes expected in next-user: improved understanding of projected changes in breeding targets regarding drought stress
Strategies (facilitation, engagement, knowledge sharing etc.) will be used to encourage and enable next-user to utilize deliverables and adopt changes: engagement and knowledge sharing through TPE platform

Partners contributing to this deliverable
Partner #1 (Responsible): Ramirez Villegas, Julian <j.r.villegas@cgiar.org>, University of Leeds
Partner #2: Heinemann, Alexandre <alexandre.heinemann@embrapa.br>, EMBRAPA - Empresa Brasileira de Pesquisa Agropecuária

Partner #3: Rebolledo Cid, Maria Camila <m.c.rebolledo@cgiar.org>, CIAT - Centro Internacional de Agricultura Tropical
Partner #4: Li, Tao <t.li@irri.org>, IRRI - International Rice Research Institute

Deliverable Ranking	
Address gender and social inclusion aspect	<Not defined>
Potential for/ actual contribution to outcomes	<Not defined>
Level of shared ownership (partnerships across org.)	<Not defined>
What is your personal perspective of the importance of this product	<Not defined>

Deliverable dissemination
Open access restriction: <Not defined>
License adopted: <Not defined>
Dissemination Channel: -1
Dissemination URL: <Not defined>

Deliverable Metadata
Description: <Not defined>
Creator / Authors: <Not defined>
Author Identifier: <Not defined>
Publication / Creation date: <Not defined>
Language: <Not defined>
Coverage: <Not defined>

Deliverable Data sharing
Deliverable files <Not defined>

Deliverable #22

Main Information
Title: An integrated framework to accelerate trait discovery for specific environments

MOG # 2: Biophysical, socio-economical and tradeoffs analyses (incl. enabling environments and gender), innovative methods, engagement approaches and customized decision support tools for CSA prioritization, wide scale adoption, local adaptation and investment planning (LAM, WA, EA, SA, SEA)	
Main Type: Peer reviewed Publications	**Sub Type:** Peer-reviewed journal articles
Year of expected completion: 2016	
Status: On-going	**Justification for cancelling the deliverable:** Model calibration and evaluation was performed during 2015. Article outline has been defined.

Next-user

Rice breeders in Colombia and LAM

Knowledge, attitude, skills and practice changes expected in next-user: improved understanding of site-specific breeding priorities, as well as of how complementary methods can help identifying these

Strategies (facilitation, engagement, knowledge sharing etc.) will be used to encourage and enable next-user to utilize deliverables and adopt changes: engagement, knowledge sharing

Partners contributing to this deliverable

Partner #1 (Responsible): Ramirez Villegas, Julian <j.r.villegas@cgiar.org>, University of Leeds

Partner #2: Jimenez, Daniel <d.jimenez@cgiar.org>, CIAT - Centro Internacional de Agricultura Tropical

Partner #3: Rebolledo Cid, Maria Camila <m.c.rebolledo@cgiar.org>, CIAT - Centro Internacional de Agricultura Tropical

Deliverable Ranking

Address gender and social inclusion aspect	<Not defined>
Potential for/ actual contribution to outcomes	<Not defined>
Level of shared ownership (partnerships across org.)	<Not defined>
What is your personal perspective of the importance of this product	<Not defined>

Deliverable dissemination

Open access restriction: <Not defined>

License adopted: <Not defined>

Dissemination Channel: -1

Dissemination URL: <Not defined>

Deliverable Metadata

Description: <Not defined>

Creator / Authors: <Not defined>
Author Identifier: <Not defined>
Publication / Creation date: <Not defined>
Language: <Not defined>
Coverage: <Not defined>

Deliverable Data sharing
Deliverable files <Not defined>

Deliverable #23

Main Information	
Title: A quest for robustness in yield projections of maize response to future climate change	
MOG # 2: Biophysical, socio-economical and tradeoffs analyses (incl. enabling environments and gender), innovative methods, engagement approaches and customized decision support tools for CSA prioritization, wide scale adoption, local adaptation and investment planning (LAM, WA, EA, SA, SEA)	
Main Type: Peer reviewed Publications	**Sub Type:** Peer-reviewed journal articles
Year of expected completion: 2016	
Status: On-going	**Justification for cancelling the deliverable:** Initial simulation work and study design has been done.

Next-user
Maize scientists worldwide
Knowledge, attitude, skills and practice changes expected in next-user: Improved understanding of robustness and uncertainties associated with maize yield responses under future climate change, as well as on the importance of key processes, namely, CO2 response and high temperature stress
Strategies (facilitation, engagement, knowledge sharing etc.) will be used to encourage and enable next-user to utilize deliverables and adopt changes: knowledge sharing via conferences and workshops

Partners contributing to this deliverable
Partner #1 (Responsible): Ramirez Villegas, Julian <j.r.villegas@cgiar.org>, University of Leeds

Deliverable Ranking	
Address gender and social inclusion aspect	<Not defined>

Potential for/ actual contribution to outcomes	<Not defined>
Level of shared ownership (partnerships across org.)	<Not defined>
What is your personal perspective of the importance of this product	<Not defined>

Deliverable dissemination
Open access restriction: <Not defined>
License adopted: <Not defined>
Dissemination Channel: -1
Dissemination URL: <Not defined>

Deliverable Metadata
Description: <Not defined>
Creator / Authors: <Not defined>
Author Identifier: <Not defined>
Publication / Creation date: <Not defined>
Language: <Not defined>
Coverage: <Not defined>

Deliverable Data sharing
Deliverable files <Not defined>

Deliverable #24

Main Information	
Title: Decadal predictions of rice varietal performance: a case study for Colombian direct-seeding rice systems	
MOG # 2: Biophysical, socio-economical and tradeoffs analyses (incl. enabling environments and gender), innovative methods, engagement approaches and customized decision support tools for CSA prioritization, wide scale adoption, local adaptation and investment planning (LAM, WA, EA, SA, SEA)	
Main Type: Peer reviewed Publications	**Sub Type:** Peer-reviewed journal articles
Year of expected completion: 2016	

Status: On-going	**Justification for cancelling the deliverable:** We performed a preliminary analysis of available data and wrote an activity concept note for internal discussion. Also see deliverable 1078 of P-58

Next-user
National rice research and development institution (Fedearroz), FLAR
Knowledge, attitude, skills and practice changes expected in next-user: improved understanding of mid-term climate impacts on rice productivity in Colombia
Strategies (facilitation, engagement, knowledge sharing etc.) will be used to encourage and enable next-user to utilize deliverables and adopt changes: engagement, knowledge sharing

Partners contributing to this deliverable
Partner #1 (Responsible): Ramirez Villegas, Julian <j.r.villegas@cgiar.org>, University of Leeds
Partner #2: Jimenez, Daniel <d.jimenez@cgiar.org>, CIAT - Centro Internacional de Agricultura Tropical
Partner #3: Rebolledo Cid, Maria Camila <m.c.rebolledo@cgiar.org>, CIAT - Centro Internacional de Agricultura Tropical

Deliverable Ranking	
Address gender and social inclusion aspect	<Not defined>
Potential for/ actual contribution to outcomes	<Not defined>
Level of shared ownership (partnerships across org.)	<Not defined>
What is your personal perspective of the importance of this product	<Not defined>

Deliverable dissemination
Open access restriction: <Not defined>
License adopted: <Not defined>
Dissemination Channel: -1
Dissemination URL: <Not defined>

Deliverable Metadata
Description: <Not defined>
Creator / Authors: <Not defined>
Author Identifier: <Not defined>
Publication / Creation date: <Not defined>

Language: <Not defined>
Coverage: <Not defined>

Deliverable Data sharing
Deliverable files <Not defined>

Deliverable #25

Main Information	
Title: Assessments of food availability and adaptation potential in farming systems	
MOG # 2: Biophysical, socio-economical and tradeoffs analyses (incl. enabling environments and gender), innovative methods, engagement approaches and customized decision support tools for CSA prioritization, wide scale adoption, local adaptation and investment planning (LAM, WA, EA, SA, SEA)	
Main Type: Reports, Reference Materials and Other Papers	**Sub Type:** Research report
Year of expected completion: 2016	
Status: On-going	**Justification for cancelling the deliverable:** Initial methodological development and data collection has been done.

Next-user
WB, USAID, COMESA and other users of country profiles and of P4S-CSA
Knowledge, attitude, skills and practice changes expected in next-user: improved understanding of risks and vulnerabilities to farm systems at local scale for CSA planning and program design
Strategies (facilitation, engagement, knowledge sharing etc.) will be used to encourage and enable next-user to utilize deliverables and adopt changes: engagement and knowledge sharing through P4S webpage, printed CSA profiles, and conferences and workshops.

Partners contributing to this deliverable
Partner #1 (Responsible): Ramirez Villegas, Julian <j.r.villegas@cgiar.org>, University of Leeds
Partner #2: Rosenstock, Todd <t.rosenstock@cgiar.org>, ICRAF - World Agroforestry Centre

Deliverable Ranking	
Address gender and social inclusion aspect	<Not defined>
Potential for/ actual contribution to outcomes	<Not defined>

Level of shared ownership (partnerships across org.)	<Not defined>
What is your personal perspective of the importance of this product	<Not defined>

Deliverable dissemination
Open access restriction: <Not defined>
License adopted: <Not defined>
Dissemination Channel: -1
Dissemination URL: <Not defined>

Deliverable Metadata
Description: <Not defined>
Creator / Authors: <Not defined>
Author Identifier: <Not defined>
Publication / Creation date: <Not defined>
Language: <Not defined>
Coverage: <Not defined>

Deliverable Data sharing
Deliverable files <Not defined>

Deliverable #26

Main Information	
Title: CCAFS-climate weather station data interface for Africa-RISING and Nicaragua projects	
MOG # 2: Biophysical, socio-economical and tradeoffs analyses (incl. enabling environments and gender), innovative methods, engagement approaches and customized decision support tools for CSA prioritization, wide scale adoption, local adaptation and investment planning (LAM, WA, EA, SA, SEA)	
Main Type: Tools and Computer Software	**Sub Type:** Platforms
Year of expected completion: 2015	
Status: Complete	

Next-user

Scientists from specified projects and more generally from academic disciplines where climate data is used constantly
Knowledge, attitude, skills and practice changes expected in next-user: Improved access to data will enable project partners to disseminate their information across their networks more easily
Strategies (facilitation, engagement, knowledge sharing etc.) will be used to encourage and enable next-user to utilize deliverables and adopt changes: knowledge sharing and engagement of project participants

Partners contributing to this deliverable
Partner #1 (Responsible): Navarro Racines, Carlos Eduardo <c.e.navarro@cgiar.org>, CIAT - Centro Internacional de Agricultura Tropical
Partner #2: Ramirez Villegas, Julian <j.r.villegas@cgiar.org>, University of Leeds

Deliverable Ranking	
Address gender and social inclusion aspect	1
Potential for/ actual contribution to outcomes	2
Level of shared ownership (partnerships across org.)	2
What is your personal perspective of the importance of this product	2

Deliverable dissemination
Open access restriction: Restricted Use Agreement - Restricted access
Restricted access until:
License adopted: <Not defined>
Dissemination Channel: -1
Dissemination URL: <Not defined>

Deliverable Metadata
Description: <Not defined>
Creator / Authors: Carlos Navarro, Jaime Tarapues
Author Identifier: <Not defined>
Publication / Creation date: 2016
Language: English
Coverage: Nicaragua and Kenya

Deliverable Data sharing
CCAFS Climate Final Report (2015).pdf

Deliverable #27

Main Information	
Title: Improved CCAFS-climate interface for crop modelling and integration with Climate Wizard	
MOG # 2: Biophysical, socio-economical and tradeoffs analyses (incl. enabling environments and gender), innovative methods, engagement approaches and customized decision support tools for CSA prioritization, wide scale adoption, local adaptation and investment planning (LAM, WA, EA, SA, SEA)	
Main Type: Tools and Computer Software	**Sub Type:** Platforms
Year of expected completion: 2016	
Status: On-going	**Justification for cancelling the deliverable:** Main activities and functionality has been agreed with E. Girvetz.

Next-user
CGIAR and academic researchers using climate change projections for impact studies; NGOs and other institutions
Knowledge, attitude, skills and practice changes expected in next-user: Improved access to climate information will lead to uniformisation of methodologies and fostering interaction with other research networks on climate impacts (e.g. AgMIP, ISIMIP). For NGO and non-academic users, easy-to-access data leads to better use of climate change information in their work.
Strategies (facilitation, engagement, knowledge sharing etc.) will be used to encourage and enable next-user to utilize deliverables and adopt changes: knowledge sharing, publicly available data and software

Partners contributing to this deliverable
Partner #1 (Responsible): Navarro Racines, Carlos Eduardo <c.e.navarro@cgiar.org>, CIAT - Centro Internacional de Agricultura Tropical
Partner #2: Ramirez Villegas, Julian <j.r.villegas@cgiar.org>, University of Leeds

Deliverable Ranking	
Address gender and social inclusion aspect	<Not defined>
Potential for/ actual contribution to outcomes	<Not defined>
Level of shared ownership (partnerships across org.)	<Not defined>
What is your personal perspective of the importance of this product	<Not defined>

Deliverable dissemination
Open access restriction: <Not defined>
License adopted: <Not defined>
Dissemination Channel: -1
Dissemination URL: <Not defined>

Deliverable Metadata
Description: <Not defined>
Creator / Authors: <Not defined>
Author Identifier: <Not defined>
Publication / Creation date: <Not defined>
Language: <Not defined>
Coverage: <Not defined>

Deliverable Data sharing
Deliverable files <Not defined>

Deliverable #28

Main Information	
Title: Prioritizing investment in climate-smart agriculture in Guatemala	
MOG # 2: Biophysical, socio-economical and tradeoffs analyses (incl. enabling environments and gender), innovative methods, engagement approaches and customized decision support tools for CSA prioritization, wide scale adoption, local adaptation and investment planning (LAM, WA, EA, SA, SEA)	
Main Type: Reports, Reference Materials and Other Papers	**Sub Type:** Research report
Year of expected completion: 2015	
Status: Complete	

Next-user
The Ministry of Agriculture and Livestock (MAGA) in Guatemala

Knowledge, attitude, skills and practice changes expected in next-user: Science-based decision making.
The Ministry and developement agencies use the Prioritization Framework and results to feed the design of new interventions, thus supporting the scaling up of CSA options.

Strategies (facilitation, engagement, knowledge sharing etc.) will be used to encourage and enable next-user to utilize deliverables and adopt changes: In 2016, follow up meetings will bring together various representatives of donors and cooperation agencies to consolidate an action plan to foster the scaling of the prioritized CSA portfolios, identifying pathways and generating commitment between these stakeholders interested in working with maize-beans small farmers in the Dry corridor,

Partners contributing to this deliverable

Partner #1 (Responsible): L?izarazo, Miguel <m.lizarazo@cgiar.org>, CIAT - Centro Internacional de Agricultura Tropical

Deliverable Ranking

Address gender and social inclusion aspect	1
Potential for/ actual contribution to outcomes	3
Level of shared ownership (partnerships across org.)	3
What is your personal perspective of the importance of this product	3

Deliverable dissemination

Open access restriction: Yes

License adopted: <Not defined>

Dissemination Channel: cgspace

Dissemination URL: https://cgspace.cgiar.org/handle/10568/71043

Deliverable Metadata

Description: El siguiente informe abordará los resultados del primer y segundo taller de Priorización de Inversiones en Agricultura Sostenible Adaptada al Clima realizados los días 7 de Agosto de 2014 y 18 de Junio de 2015 respectivamente, en Ciudad de Guatemala, Guatemala. A través de las secciones se presentarán cada una de las actividades desarrolladas durante los eventos, y al mismo tiempo se hará un breve análisis de los principales resultados obtenidos junto con unas conclusiones finales.

La información aquí presentada, será el insumo necesario para completar el ciclo de priorización de prácticas ASAC dentro del Marco de Priorización e iniciar una etapa de construcción del entorno favorable para la adopción y escalamiento de portafolios de prácticas de Agricultura Sostenible Adaptada al Clima (ASAC) con la colaboración articulada entre el MAGA y los diferentes actores involucrados e identificados durante el proceso.,Internal Review

Creator / Authors: Lizarazo M,Corner-Dolloff C,Nowak A,Loboguerrero AM,Rojas E,Mejia M,Sain G,Martinez D,Andrieu N,Howland F,Bonilla O,Jarvis, Andy

Author Identifier: <Not defined>

Publication / Creation date: 2016-02-12T08:21:44Z,2016-02-12T08:21:44Z,2016-02-12

Language: es

Coverage: Guatemala

Deliverable Data sharing
Deliverable files <Not defined>

Deliverable #29

Main Information	
Title: Revised CBA methodology to evaluate CSA Practices profitability	
MOG # 2: Biophysical, socio-economical and tradeoffs analyses (incl. enabling environments and gender), innovative methods, engagement approaches and customized decision support tools for CSA prioritization, wide scale adoption, local adaptation and investment planning (LAM, WA, EA, SA, SEA)	
Main Type: Reports, Reference Materials and Other Papers	**Sub Type:** Research report
Year of expected completion: 2016	
Status: On-going	**Justification for cancelling the deliverable:** A methodological proposal of a CBA to be applicable to different environments in Ethiopia and Ghana was developed and will be delivered in 2016. Specific objectives are: i) conducting a Cost Benefit Analysis (CBA) of the introduction of CSA practices in the farming system, and ii) estimate the impact at the aggregate level.

Next-user
Government, development agencies, NGOs
Knowledge, attitude, skills and practice changes expected in next-user: Science base prioritization of CSA options feeding into program design.
Strategies (facilitation, engagement, knowledge sharing etc.) will be used to encourage and enable next-user to utilize deliverables and adopt changes: -

Partners contributing to this deliverable
Partner #1 (Responsible): L?izarazo, Miguel <m.lizarazo@cgiar.org>, CIAT - Centro Internacional de Agricultura Tropical

Deliverable Ranking	
Address gender and social inclusion aspect	1
Potential for/ actual contribution to outcomes	3
Level of shared ownership (partnerships across org.)	3
What is your personal perspective of the importance of this product	3

Deliverable dissemination
Open access restriction: Yes
License adopted: <Not defined>
Dissemination Channel: -1
Dissemination URL: <Not defined>

Deliverable Metadata
Description: <Not defined>
Creator / Authors: <Not defined>
Author Identifier: <Not defined>
Publication / Creation date: <Not defined>
Language: <Not defined>
Coverage: <Not defined>

Deliverable Data sharing
Deliverable files <Not defined>

Deliverable #30

Main Information	
Title: Frente a la grave sequía, los actores de Guatemala priorizan portafolios de inversión	
MOG # 2: Biophysical, socio-economical and tradeoffs analyses (incl. enabling environments and gender), innovative methods, engagement approaches and customized decision support tools for CSA prioritization, wide scale adoption, local adaptation and investment planning (LAM, WA, EA, SA, SEA)	
Main Type: Reports, Reference Materials and Other Papers	**Sub Type:** Policy briefs - Briefing paper

Year of expected completion: 2016 **Status:** On-going	**Justification for cancelling the deliverable:** Info Note produced on the processs and results of the Guatemala Prioritization process (currently under final revision).

Next-user
Policy makers, NGOs, Donors interested in improving resilience and food security throught CSA
Knowledge, attitude, skills and practice changes expected in next-user: Awareness on the CSA prioritization tool to guide CSA interventions design and investment decisions.
Strategies (facilitation, engagement, knowledge sharing etc.) will be used to encourage and enable next-user to utilize deliverables and adopt changes: -

Partners contributing to this deliverable
Partner #1 (Responsible): L?izarazo, Miguel <m.lizarazo@cgiar.org>, CIAT - Centro Internacional de Agricultura Tropical

Deliverable Ranking	
Address gender and social inclusion aspect	<Not defined>
Potential for/ actual contribution to outcomes	<Not defined>
Level of shared ownership (partnerships across org.)	<Not defined>
What is your personal perspective of the importance of this product	<Not defined>

Deliverable dissemination
Open access restriction: <Not defined>
License adopted: <Not defined>
Dissemination Channel: -1
Dissemination URL: <Not defined>

Deliverable Metadata
Description: <Not defined>
Creator / Authors: <Not defined>
Author Identifier: <Not defined>
Publication / Creation date: <Not defined>
Language: <Not defined>

Coverage: <Not defined>

Deliverable Data sharing
Deliverable files <Not defined>

Deliverable #31

Main Information	
Title: Technical Guide: CSA options for the Dry Corridor in Guatemala	
MOG # 2: Biophysical, socio-economical and tradeoffs analyses (incl. enabling environments and gender), innovative methods, engagement approaches and customized decision support tools for CSA prioritization, wide scale adoption, local adaptation and investment planning (LAM, WA, EA, SA, SEA)	
Main Type: Reports, Reference Materials and Other Papers	**Sub Type:** Reference material
Year of expected completion: 2015	
Status: Complete	

Next-user
Extension services, NGOs
Knowledge, attitude, skills and practice changes expected in next-user: Increasing awareness on promising site-scpecif CSA options to foster promotion and wide scale adoption.
Strategies (facilitation, engagement, knowledge sharing etc.) will be used to encourage and enable next-user to utilize deliverables and adopt changes: -

Partners contributing to this deliverable
Partner #1 (Responsible): L?izarazo, Miguel <m.lizarazo@cgiar.org>, CIAT - Centro Internacional de Agricultura Tropical

Deliverable Ranking	
Address gender and social inclusion aspect	1
Potential for/ actual contribution to outcomes	3
Level of shared ownership (partnerships across org.)	3
What is your personal perspective of the importance of this product	3

Deliverable dissemination
Open access restriction: Yes
License adopted: <Not defined>
Dissemination Channel: -1
Dissemination URL: <Not defined>

Deliverable Metadata
Description: <Not defined>
Creator / Authors: <Not defined>
Author Identifier: <Not defined>
Publication / Creation date: <Not defined>
Language: <Not defined>
Coverage: <Not defined>

Deliverable Data sharing
Deliverable files <Not defined>

Deliverable #32

Main Information	
Title: Cost Benefit Analysis of the introduction of CSA practices in eight municipalities of Guatemala	
MOG # 2: Biophysical, socio-economical and tradeoffs analyses (incl. enabling environments and gender), innovative methods, engagement approaches and customized decision support tools for CSA prioritization, wide scale adoption, local adaptation and investment planning (LAM, WA, EA, SA, SEA)	
Main Type: Reports, Reference Materials and Other Papers	**Sub Type:** Research report
Year of expected completion: 2016	
Status: On-going	**Justification for cancelling the deliverable:** Document under final revision.

Next-user
researchers
Knowledge, attitude, skills and practice changes expected in next-user: -

Strategies (facilitation, engagement, knowledge sharing etc.) will be used to encourage and enable next-user to utilize deliverables and adopt changes: -

Partners contributing to this deliverable
Partner #1 (Responsible): L?izarazo, Miguel <m.lizarazo@cgiar.org>, CIAT - Centro Internacional de Agricultura Tropical

Deliverable Ranking	
Address gender and social inclusion aspect	<Not defined>
Potential for/ actual contribution to outcomes	<Not defined>
Level of shared ownership (partnerships across org.)	<Not defined>
What is your personal perspective of the importance of this product	<Not defined>

Deliverable dissemination
Open access restriction: <Not defined>
License adopted: <Not defined>
Dissemination Channel: -1
Dissemination URL: <Not defined>

Deliverable Metadata
Description: <Not defined>
Creator / Authors: <Not defined>
Author Identifier: <Not defined>
Publication / Creation date: <Not defined>
Language: <Not defined>
Coverage: <Not defined>

Deliverable Data sharing
Deliverable files <Not defined>

Deliverable #33

Submitted on 2016-03-04 at 15:28 UTC

Main Information	
Title: Costs and benefits of climate-smart agriculture: the case of the Dry Corridor in Guatemala	
MOG # 2: Biophysical, socio-economical and tradeoffs analyses (incl. enabling environments and gender), innovative methods, engagement approaches and customized decision support tools for CSA prioritization, wide scale adoption, local adaptation and investment planning (LAM, WA, EA, SA, SEA)	
Main Type: Peer reviewed Publications	**Sub Type:** Peer-reviewed journal articles
Year of expected completion: 2016	
Status: On-going	**Justification for cancelling the deliverable:** Revised submitted paper to Agricultural Systems Journal. Special Issue: Prioritizing CSA.

Next-user
NARS, development agencies
Knowledge, attitude, skills and practice changes expected in next-user: -
Strategies (facilitation, engagement, knowledge sharing etc.) will be used to encourage and enable next-user to utilize deliverables and adopt changes: -

Partners contributing to this deliverable
Partner #1 (Responsible): L?izarazo, Miguel <m.lizarazo@cgiar.org>, CIAT - Centro Internacional de Agricultura Tropical

Deliverable Ranking	
Address gender and social inclusion aspect	<Not defined>
Potential for/ actual contribution to outcomes	<Not defined>
Level of shared ownership (partnerships across org.)	<Not defined>
What is your personal perspective of the importance of this product	<Not defined>

Deliverable dissemination
Open access restriction: <Not defined>
License adopted: <Not defined>
Dissemination Channel: -1
Dissemination URL: <Not defined>

Deliverable Metadata
Description: <Not defined>

Creator / Authors: <Not defined>

Author Identifier: <Not defined>

Publication / Creation date: <Not defined>

Language: <Not defined>

Coverage: <Not defined>

Deliverable Data sharing
Deliverable files <Not defined>

Deliverable #34

Main Information	
Title: CSA Prioritization Framework Concept note	
MOG # 2: Biophysical, socio-economical and tradeoffs analyses (incl. enabling environments and gender), innovative methods, engagement approaches and customized decision support tools for CSA prioritization, wide scale adoption, local adaptation and investment planning (LAM, WA, EA, SA, SEA)	
Main Type: Reports, Reference Materials and Other Papers	**Sub Type:** Policy briefs - Briefing paper
Year of expected completion: 2015	
Status: Complete	

Next-user
Development agencies, NGOs, NARS, Government institutions
Knowledge, attitude, skills and practice changes expected in next-user: Adoption of this science based methodology/related results to optimize national and subnational planning and promote particpatory processes to develop and invest in context specific CSA portoflios.
Strategies (facilitation, engagement, knowledge sharing etc.) will be used to encourage and enable next-user to utilize deliverables and adopt changes: -

Partners contributing to this deliverable
Partner #1 (Responsible): L?izarazo, Miguel <m.lizarazo@cgiar.org>, CIAT - Centro Internacional de Agricultura Tropical

Deliverable Ranking	
Address gender and social inclusion aspect	1

Potential for/ actual contribution to outcomes	1
Level of shared ownership (partnerships across org.)	1
What is your personal perspective of the importance of this product	1

Deliverable dissemination

Open access restriction: Yes

License adopted: <Not defined>

Dissemination Channel: cgspace

Dissemination URL: https://cgspace.cgiar.org/handle/10568/68487

Deliverable Metadata

Description: El Marco para la Priorización de Inversiones en ASAC desarrollado por CCAFS-CIAT ayuda a identificar prácticas ASAC existentes y promisorias, calcular y analizar los costos y beneficios de éstas, e identificar posibles barreras de adopción. El marco contribuye a optimizar la planeación nacional y subnacional, promoviendo procesos participativos para el desarrollo de portafolios de inversión en ASAC.

Creator / Authors: CCAFS

Author Identifier: <Not defined>

Publication / Creation date: 2015-10-13T11:20:37Z,2015-10-13T11:20:37Z,2015-10-13

Language: es

Coverage: central america

Deliverable Data sharing

Deliverable files
<Not defined>

5.3 Summary on next-users

Next user #1
Key next user for the current reporting period. Key game changers. Observed Knowledge, Attitude, Skills and practice changes: Prioritization framework, Guatemala: Ministry of Agriculture and Livestock (MAGA) and potencially: nternational cooperation: IICA, FAO, WWF, WFP, HEIFER, CRS, National academic and research institutions: UVG, USAC, CATIE, ANACAFE and various producers organizations: FEDECOVERA,CARDEGUA, ADEL, Copanch'orti', Asociación MOLOJ. Prioritization framework, Mali: Ministry of Agriculture, Helvetas and Sahel Eco (NGOs) USAID: Metrics work, CSA Indicator Tool and FTF Deep Dives.
Strategies (facilitation, engagement, knowledge sharing etc.) you used to encourage and enable this next user to utilize deliverables and adopt changes: Deep engagement with USAID and WB to better unstand their current and future needs and co-develop products enabling scaling and wide adoption of CSA.
Reported deliverables serve as evidence towards this achieved change: See Outcome story
Lessons and implications for the next planning cycle: -

5.4 Project highlights

Project highlight Information #1	
Title: Global South-South Climate-Smart Village learning journey in Ludhiana, India.	
Author: Osana Bonilla-Findji	**Subject:** CSV, learning
Publisher: CCAFS Flagship 1 and its partners	**Year:** 2015
Project highlights types Participatory action research	
Start date: 2015-09-03	**End date:** 2015-09-06
Is global: No	
Country: India	**Keywords:** South-South learning, CSV approach

Highlight description: CSVs in Africa and South Asia have now been operating for 3-5 years, with a diverse set of approaches and principles and many lessons learnt that are directly relevant to Asia and Latin America as CSVs get developed and CCAFS Phase II is being prepared.
In order to address the exciting opportunities that exist to steer CSVs in common directions, stimulate cross regional learning, and harmonize scientific approaches a first CSV workshop was held in Ludhiana, India to gather representatives and key partners from the flagship projects being implemented in the CSVs across the five CCAFS regions and foster exchange and discussions on the common Vision, approaches and methodologies.

By combining field visits, lighting presentations by both project leaders, CSV coordinators, local champion farmers, key partners and government representatives, and ensuring active roles to participants during the working sessions, this workshop provided a unique opportunity to strengthening the broad CCAFS CSV scientific community, co-build a common Vision and theory of change for this approach.

Participants came to realize the importance of the participatory research element in the CSV approach, and of establishing and showing the evidence-base on the value addition for promoting and upscaling the CSV model (good business cases).

Significant progress was made with the identification of a wide range of opportunities for closer coordination on specific topics were "task forces/working groups" could be established and synthesis paper ideas (framework for Agricultural Trials, mainstreaming CSA into planning/LAPAs etc).

Finally, some concrete next steps were proposed for implementation in 2016:

* to develop a 3-page Synthesis of CSV concept, TOC and objectives and the CSV research framework,
* to establish online seminars or topic-specif communities (incl. mailing lists for online discussions)
* to consider Writing Workshops to harmonize methodologies and clearly identify and strengthen the science components behind.

Submitted on 2016-03-04 at 15:28 UTC

Introduction / Objectives: This 3-day workshop convened nearly 50 representatives from Climate-Smart Village related Flagship projects across LAM, Africa, Asia and South Asia to share experiences and foster learning and exchange in order to:

1. Define a common vision of what CSVs are, their purpose to CCAFS and its partners, and direction moving forwards
2. Reflect on lessons learnt from different CCAFS regions and identify a set of best practices going forwards
3. Identify opportunities for harmonization of methodologies to enable cross regional analyses and global learning, and
4. Incorporate adjustments into Flagship projects during Extension and Phase II

Results: Plenary and fruitful group discussions, combined with field visits to the Haryana CSVs enabled deep reflections and the collective building of a common vision on the objectives, generic theory of change of CSVs and key scientific aspects such as:

- Participatory action research
- Reserach framework, and CSV's scale ("one size does not fit all"); manageable unit with similar conditions based on biophysical, socio-economic-political context dependent on technologies and reserach questions tested.

The group agreed on the need to further develop and strengthen the CSV Research framework around three proposed building blocks :
1. The creation of more systematic and targeted science-led evidence at the relevant scale (landscape, value-chain) and for the different stakeholders);
2. Development of a methodological transferability framework based on processes (not context-specific) where its "ingredients" or components are transferable but bring the context specificity;
3. The development of relevant business models as vehicles for scaling up/out

Opportunities for methodological harmonization were also identified:
• Agronomic trials: Need for a minimum common framework to enable comparable set up of several scenario trials
• GHE emissions: Need to agree on relevant measurement scale (plot emissions, life cycle or full footprints), validation of mathematical models, guidelines and protocols on the different available methods.
• Business models: (indicators to assess climate-smartness)
•Scaling out: to develop a framework for integrating CSA into local planning
•Gender: the need for a general assessment on what has been done and what have been the different results across the regions and to address how can CSVs be a factor that influences youth staying in rural areas

Finally a series of press articles and blog posts were produced by Lisa Palmer:
India's climate tech revolution is starting in its villages (the Guardian) and I Went to India and Saw the Future of Climate-Smart Farming (Nautilus)

Partners: Key CSV partners from SA, SEA, LAM (BISA, ICAR-Agriculture Technology, Govt of Punjab, Govt. of Haryana, Assessment and Research Institute (ATARI), IPNI, LIBIRD, CDKN, Plant Science Plant and AgriBiosciences Research Centre, Colombian Rice Federation) and donors such as the National University of Ireland Galway, USAID, World Bank as well as the media.

Submitted on 2016-03-04 at 15:28 UTC

Links / Sources for further information: CSV Report, Flicker album Field visit to climate smart villages in Ludhiana, India; https://www.flickr.com/photos/cgiarclimate/sets/72157659624586722

Press articles by Lisa Palmer:

- India's climate tech revolution is starting in its villages (the Guardian) : http://www.theguardian.com/sustainable-business/2015/oct/12/indias-climate-smart-villages-use-technology-improve-farming#img-2

- I Went to India and Saw the Future of Climate-Smart Farming (Nautilus): http://nautil.us/blog/i-went-to-india-and-saw-the-future-of-climate_smart-farming

- Learning from India's 'Smart' Farming Villages: http://www.yaleclimateconnections.org/2015/11/learning-from-indias-climate-smart-farming-villages/

Submitted on 2016-03-04 at 15:28 UTC

Project highlight Information #1	
Title: New country profiles for action on Climate-Smart Agriculture	
Author: Andreea Nowak, Evan Girvetz	**Subject:** CSA Country Profiles
Publisher: CCAFS FP1, CIAT	**Year:** 2015
Project highlights types Policy engagement	
Start date: 2015-01-01	**End date:** 2015-12-31
Is global: No	
Country: Kenya	**Keywords:** CSA; adaptation; mitigation; productivity; enabling environments; CSA practices; CSA policies; CSA institutions; CSA finances

Highlight description: Mainstreaming Climate-Smart Agriculture (CSA) requires policies and institutions that foster adoption by providing incentives for action and minimizing barriers and constraints. Identifying how to maximize the impact of CSA investment starts with understanding the current institutional and policy frameworks associated with CSA, assessing CSA actions already underway, and identifying promising future CSA initiatives.

In an effort to advance knowledge and mainstream CSA, CIAT/CCAFS FP1, the World Bank, and USAID have been working together in developing national CSA baselines that highlight potential areas of investment for CSA at national and local levels.

As an overarching goal, the CSA Country Profile initiative is expected to advance CSA in the public agenda, raising awareness of the importance of financing investments that simultaneously promote productivity, adaptation and mitigation. It specifically seeks to engage governments, financing and research institutions on the CSA concept and to identify entry points for further research and investment.

With transparency and participation at the heart of this process, local knowledge and scientific evidence unite to establish realistic pathways for increasing CSA adoption and achieving outcomes for smallholder farmers. The project team consists of experts in climate change, environmental policy, agronomy, and agriculture and development policy. Data collection is based on extensive desk review, surveys, and interviews with experts and key-decision makers.

Introduction / Objectives: The CSA Country Profiles are aimed to provide a brief yet comprehensive overview of the status of CSA activities and enabling environments in a given country. The studies place a particular focus on the assessment of existing and potential CSA practices of high interest for the country, as well as on analyses of the institution, policy, and finance entry points for scaling out CSA nationally.

The profiles provide a snapshot of a developing baseline created to initiate discussion at both the national and regional level about entry points for investing in CSA at scale.

Results: Supported by the World Bank, five studies were developed in 2015 (Sri Lanka, Kenya, Rwanda, Nicaragua and Uruguay), continuing the series of Country Profiles developed in 2014 for Argentina, Colombia, Costa Rica, El Salvador, Granada, Mexico and Peru.

They resulted in five 12- to 16-pages documents, outlining the country's agricultural context, the sector's climate-related challenges, existing and potential CSA practices and their impacts on selected CSA indicators, as well as policies, institutions and financing opportunities and challenges for CSA scale out. Combining text with infographics, these documents provide an easy-to-read, quick overview of the CSA state in a specific country.

Despite the methodology being uniformly applied to all Country Profiles to ensure consistency and comparability across countries and regions, results and key considerations of the analysis are context-specific. This calls attention to at least two facts.

On one hand, that CSA options (practices, technologies, services) should not be seen as shopping lists of actions or silver-bullet solutions to solve climate-related challenges to our agricultural systems, but rather as potential areas of intervention, which, combined, can maximize benefits to the society from a multiple perspective (social, economic, and environmental benefits). On the other hand, that countries are at different development stages and have different development pathways, requiring investment options tailored to their specific environments.

For all that, one important cross-cutting observation from these studies refers to institutionality and the need of incentives for CSA scale out. Despite being a relatively new concept, CSA has been practiced for a long time by farmers as mechanisms to cope with different external stresses. However, the important missing piece in the puzzle has oftentimes been the development of regulatory governance and institutional frameworks, critical for maximizing the opportunities from CSA practices and for mobilizing adaptation and mitigation finance to the agriculture sector.

Partners: The CSA Country Profiles methodology has been developed through a joint collaboration between experts from the International Center for Tropical Agriculture (CIAT), flagship 1 of the the CGIAR Research Programme on Climate Change, Agriculture and Food Security (CCAFS), the World Bank, and the Tropical Agricultural Research and Higher Education Center (CATIE) back in 2014.

For the implementation of the methodology and the actual development of the study, a large variety of partners has been engaged, from national governments (experts and policy-makers in the Ministries of Agriculture and/or Environment), to non-governmental organizations and academic and research institutes working on agriculture, climate change and environmental issues.

The partners, often end-users of the research, have been actively engaged in the process through data collection and validation, as well as review of the final document, depending on the willingness to play an active role in the development of the Profile. This has increased the relevance of the research, by having end-users validate the information contained in the study, making sure the study adds value to current efforts and addresses existing information gaps. At the same time, working closely with national counterparts has contributed to fostering national ownership of the product.

Links / Sources for further information: • CCAFS repository (Profiles download) - https://ccafs.cgiar.org/publications/csa-country-profiles
• CCAFS blog (Profiles description)- https://ccafs.cgiar.org/research-highlight/new-country-profiles-action-climate-smart-agriculture#.VtR0dfnhCUk
• CIAT blog (Profiles story) - http://blog.ciat.cgiar.org/thanks-cop21-now-lets-get-down-to-business-with-climate-smart-agriculture/
• World Bank blog (talking about the Profiles – uses and users) - http://blogs.worldbank.org/climatechange/food-systems-are-finally-climate-change-map-what-s-next

Submitted on 2016-03-04 at 15:28 UTC

Project highlight Information #1

Title: Contribution to African submission to SBSTA and to CoP21 +1.5 vs. 2 K discussion

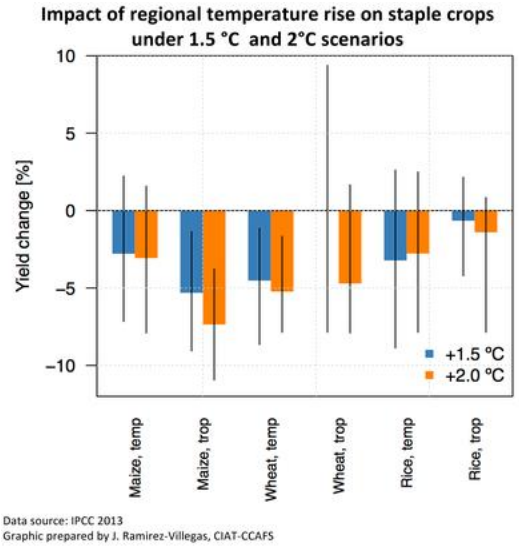
Author: Julian Ramirez-Villegas

Subject: climate impacts, Africa, crop production, livestock, global, negotiation

Publisher: CCAFS

Year: 2015

Project highlights types
Policy engagement



Start date: 2016-02-29

End date: 2016-12-31

Is global: Yes

Country:

Keywords: climate change, impacts, crop production, Africa, negotiations, CoP21

Highlight description: We prepared two working papers and contributed to an Info Note that were presented to the African Group of Negotiators (AGN) with the intention that the information be used as input for the African submission to the Subsidiary Body for Scientific and Technical Advice (SBSTA). The working papers were prepared in accordance to direct request from COMESA, and the entire effort was developed jointly with ICRAF, CIAT, CCAFS Flagship 4 and the CCAFS Coordinating Unit. The Working Papers and accompanying summary Info Note were widely distributed as part of the comms strategy, and results were showcased by CCAFS Scientists through presentations. The African impacts on crop production Working Paper (WP No. 119) was cited by the UNFCCC in the in the official SBSTA document (at http://unfccc.int/resource/docs/2015/sbsta/eng/misc01.pdf).

For the CoP 21 input, we conducted an analysis on the difference in the climate change impacts of a +1.5 K world vs. a +2.0 K world. We found that there is a consistent trend for a +2.0 K world to show more negative impacts for the three crops analysed across both tropical and temperate regions, but that differences were statistically not significant. A blogpost in the Huffington Post was published under the leadership of the CCAFS Coordinating Unit (http://www.huffingtonpost.com/bruce-campbell-phd/climate-change-half-a-deg_b_8756428.html). The key figure was prepared by FS1 Scientist Julian Ramirez-Villegas.

Introduction / Objectives: 1. To provide critical insight on climate change impacts on crops and livestock in support of the African submission to SBSTA, so as to be able to highlight key crops and countries with significant vulnerabilities, as well as Africa's overall climate change exposure and sensitivity.
2. To feed the Paris agreement with existing evidence on the difference between +1.5 vs. +2.0 K global warming

Submitted on 2016-03-04 at 15:28 UTC

Results: Cited by the UNFCCC in the official SBSTA document:
* http://unfccc.int/resource/docs/2015/sbsta/eng/misc01.pdf

Derived figure cited in the Tanzania CSA plan (no link available)

Crops:
* Social Media (Twitter & Facebook) with some great results: Facebook: 18 shares, reaching 3000 people and 30 likes. Twitter also great re-tweets and shares. Already 76 shares on CCAFS web site via Google+, Pintrest and other platforms (very high number compared to other stories which tend to have 20 shares)
* Sent out to Climate-L emailing list and upcoming FP4 emailing list (1,700 people)
* Mentioned on IISD: http://ow.ly/OV6a2

Posted in following LinkedIn pages and groups:
* CGIAR; CCAFS own group; Africa Sustainability Network; Climate change network; Climate Change & Sustainability; Sustainable Agriculture; Climate-Eval and own personal LinkedIn page.

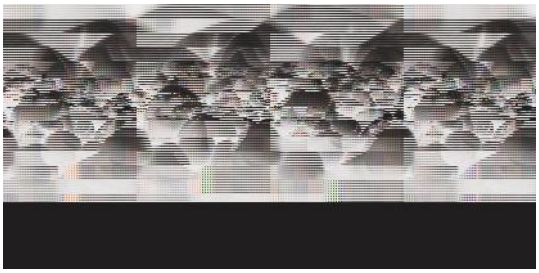
Livestock paper:
* Social Media (Twitter & Facebook). Nice shares on CCAFS web site: 53 shares on platforms such as Google+ and Pintrest, Facebook by others
* Cross-posted to ILRI blog
* Sent out to Climate-L emailing list and upcoming FP4 emailing list (1,700 people)
* Mentioned on IISD: http://ow.ly/OV6a2

Posted in following LinkedIn pages and groups:
* CGIAR; CCAFS own LinkedIn page; Africa Sustainability; Agricultural Sustainability and Climate Change; Agriculture; AdaptAbility Climate Adaptation Network - 3 likes (one by Niels Batjes, Senior Researcher & Head WDC-Soils at ISRIC - World Soil Information); Own update to 700 followers on LinkedIn (liked by Erick Fernandes Adviser, Agriculture, Forestry & Climate Change, The World Bank); Shared by Beijing Carbon-Change Environment Research Center - Director.

Partners: CCAFS Flagship 4, ICRAF, CIAT, and COMESA.

Links / Sources for further information: https://ccafs.cgiar.org/publications/climate-change-impacts-african-crop-production#.VtTTRcdvUtd
https://cgspace.cgiar.org/handle/10568/66474
https://cgspace.cgiar.org/handle/10568/66472
http://unfccc.int/resource/docs/2015/sbsta/eng/misc01.pdf
http://www.huffingtonpost.com/bruce-campbell-phd/climate-change-half-a-deg_b_8756428.html

Submitted on 2016-03-04 at 15:28 UTC

Project highlight Information #1	
Title: Beans that can beat the heat	
Author: Julian Ramirez-Villegas	**Subject:** breeding, adaptation, beans
Publisher: CGIAR	**Year:** 2015
Project highlights types Successful communications Breakthrough science	
Start date: 2015-01-01	**End date:** 2015-12-31
Is global: Yes	
Country:	**Keywords:** adaptation, breeding

Highlight description: This highlight describes a cross-CRP collaboration on climate-smart breeding. The research started in 2010, and is currently ongoing. Activities conducted are as follows:

* During 2011, CCAFS and Grain Legumes conducted research on the impacts of climate change on bean suitability and bean growing areas, using a range of climate scenarios and a niche-based model. The research highlighted heat stress as the main driver of reductions in bean suitable area, with sensitivity analysis suggesting that heat stress tolerance into bean germplasm should be a top breeding priority.

* With these findings, the CIAT bean program, funded by the Grain Legumes CRP, made crosses of common bean and tepary bean (another type of bean known for its heat tolerance). Field tests of breeding lines in Armero and the Caribbean coast of Colombia, as well as in the hight temperature greenhouses of CIAT revealed that around 30 lines held the heat tolerance genes that were much needed for climate change adaptation. These lines are being further advanced in the CIAT breeding trials in order to introduce all other relevant characteristics (e.g. seed size and colour) that are key for adoption by farmers.

* Finally, further modelling analyses by CCAFS FP1 in 2015 suggested that these beans would allow current bean growing areas to continue growing the crop during the entire 21st century under most global warming scenarios. A media campaign led by CIAT was put in place to communicate these findings in March 2015.

Introduction / Objectives: * To conduct a foresight study to set out common bean breeding priorities
* To develop germplasm that addresses climate change adaptation priorities
* To communicate findings globally

Results: * Brief: Developing Beans that can beat the Heat.
* Associated major Press release: Discovery of beans that can beat the heat could save “meat of the poor” from global warming:

Partners: CIAT, CCAFS-FP1 and Grain and Legumes CRP

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Links / Sources for further information: * Beebe et al. (2011) book chapter presenting evidence of heat tolerance being a key trait for beans http://onlinelibrary.wiley.com/doi/10.1002/9780470960929.ch25/summary

* Jarvis et al. (2012) providing further evidence that climate change has negative effects on bean suitable areas http://link.springer.com/article/10.1007/s12042-012-9096-7

* Steve Beebe's contribution to Gaur et al. (2015) http://oar.icrisat.org/8683/1/High%20temperature%20tolerance%20in%20grain%20legumes.pdf

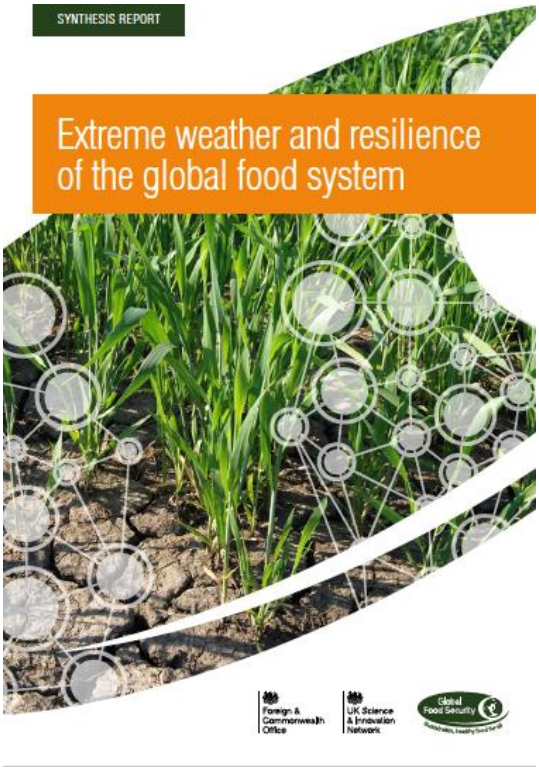
* Steve Beebe's contribution to Araujo et al. (2015), review of progress in abiotic stress resistance for grain legumes. http://www.tandfonline.com/doi/abs/10.1080/07352689.2014.898450

* Ramirez-Villegas and Thornton (2015) providing evidence of climate change impacts on bean productivity and suitable areas, and importantly, also of the benefits of the heat tolerant beans bred at CIAT; https://cgspace.cgiar.org/rest/bitstreams/54957/retrieve

* Brief: Developing Beans that can beat the Heat: http://ciat-https://cgspace.cgiar.org/bitstream/handle/10568/61841/DEVELOPING_BEANS.pdf

* Associated major Press release: Discovery of beans that can beat the heat could save "meat of the poor" from global warming: http://www.cgiar.org/consortium-news/beans-that-beat-the-heat/

Submitted on 2016-03-04 at 15:28 UTC

Project highlight Information #1	
Title: Contribution to Global Food Security Resilience Taskforce Report	
Author: Andy Challinor	**Subject:** extreme weather, climate shocks, food systems, food supplies
Publisher: Global Food Security (GFS) Programme	**Year:** 2015
Project highlights types Successful communications Policy engagement Breakthrough science	
Start date: 2015-01-01	**End date:** 2015-12-31
Is global: Yes	
Country:	**Keywords:** extreme weather, climate shocks, food systems, food supplies

Submitted on 2016-03-04 at 15:28 UTC

Highlight description: Flagship co-leader Prof. Andy Challinor was a contributing author to the Global Food Security (GFS) Programme US-UK Resilience Taskforce Report.

The strong involvement of FP1 co-leader Andy Challinor on the Global Food Security Task Force of academics, industry and policy experts brought together by the UKs Global Food Security programme led to two major reports: Global Food Security Task Force Synthesis report: Extreme weather and resilience of the global food system and Sub report: Climate and global crop production shocks (Andy Challinor's leadership role). This report provides an initial look at the evidence available on the exposure and impact of extreme weather events on global food production and develops a set of realistic production shock scenarios across the four major global crops (maize, soybean, wheat and rice) that are plausible under present-day or near-future conditions. The report outlines key recommendations to safeguard against extreme weather events and threats to food supplies and offers new recommendations for mitigation

The Resilience Taskforce is an independent expert Taskforce from the UK and USA commissioned with providing recommendations to safeguard against threats to food supplies. The Taskforce includes academics, industry and policy experts, who aimed to examine the resilience of the global food system to extreme weather events. The Taskforce was brought together by the UK's Global Food Security programme and was jointly commissioned by the UK Foreign and Commonwealth Office and UK Government Science and Innovation Network.

Introduction / Objectives: * To provide key insight as to the risks faced by the international global food system in relation to extreme weather events, including the identification of areas where more work is needed. The contribution both uses CCAFS science and should feed back into CCAFS research priorities.
* To communicate findings widely

Results: Report was released on 14th August 2015 (see http://www.foodsecurity.ac.uk/news-events/news/2015/150814-pr-taskforce-reports-weather-food-supplies.html), and was widely covered by the media.

The following impact story has been taken from the UK Government (see links below):

"Taskforce policy recommendations to international governments will increase understanding of risk, boost coordinated risk management and bolster national resilience to market shocks. Input to industry added scientific grounding to help insurance underwriters identify unconsidered food security impacts on insurance and risk (http://www.lloyds.com/news-and-insight/risk-insight/library/society-and-security/food-system-shock). The work directly informed a major strand of the new £14M Research Council food system resilience programme (http://www.foodsecurity.ac.uk/news-events/news/2015/150914-n-first-gfs-food-system-resilience-call-opens.html)."

Partners: * Foreign and Commonwealth Office (UK)
* UK Science and Innovation Network
* Many partners from academic institutions in the UK and the USA including University of Chicago, ILSI Research Foundation, University of Wisconsin-Madison, The James Hutton Institute, University of Reading, University of Illinois.

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Links / Sources for further information: http://www.foodsecurity.ac.uk/news-events/news/2015/150814-pr-taskforce-reports-weather-food-supplies.html
http://www.foodsecurity.ac.uk/assets/pdfs/extreme-weather-resilience-of-global-food-system.pdf
http://www.reuters.com/article/us-environment-climatechange-food-idUSKCN0QI2LG20150813
https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/484429/Dec_2015_Impact_Story_Food_Security_USA_FINAL__2_.pdf
http://www.theguardian.com/environment/2015/aug/14/food-production-shocks-will-happen-more-often-extreme-weather
http://www.lloyds.com/news-and-insight/risk-insight/library/society-and-security/food-system-shock
http://www.foodsecurity.ac.uk/news-events/news/2015/150914-n-first-gfs-food-system-resilience-call-opens.html

6. Activities

Activity #1	
Title: Exploring opportunities for innovative finance mechanisms for CSA incentivization with the World Bank	
Description: This activity will support the creation a WB-CCAFS liaison position (to be hosted at the Bank) to : * provide an operational link between CCAFS and the WorldBank team * ensure coordination on work related to Climate Smart Agriculture, and * explore opportunities to robustly test innovative finance mechanisms for incentivizing CSA activities on the ground. The work will specifically contribute to the implementation of one of the key flagship 1 products: Methods and approaches for equitable local adaptation planning and governance, including transformative options, and clusters of activities centred around new business models, certification and other incentive mechanisms for CSA.	
Start date (dd-MM-yyyy): 08-12-2015	**End date (dd-MM-yyyy):** 31-12-2016
Leader: Jarvis, Andy <a.jarvis@CGIAR.ORG>, FP1 Leader - FP1 Leader	
Status: On-going	**Justification:** Close collaboration cemented with WB through the secondment of Alberto Millan under Marc Sadler who leads CSA efforts inside the Bank. Discussions initiated to trial novel finance options for CSA in collaboration with CARE (expected to materialize in 2016). Alberto actively participated in the GACSA Ad-Hoc Committee for the coordination of the GACSA Annual Forum and played an active role in the GACSA MET to disseminate CCAFS knowledge and network leading to 2 CCAFS projects pitched to the Investment Action Group.

Activity #2
Title: CSA tools development and maintenance

Description: Further development, improvement and maintenance of a range of modeling and decision support tools and data portals (e.g. CCAFS-Climate, Climate Analogue, the CSA prioritization tool) to:

* provide robust and science based evidence on climate related impacts on the agricultural sector and rural livelihoods at different temporal and special scales.
* extend the application range and reach of the CSA tools and better respond to diverse user-specific needs.
* share new knowledge and data that will inform decision makers, major agencies and NGOs and support the implementation of adaptation strategies and concrete measures leading to promote adoption of CSA practices and technologies.
* Establish common approaches for CSV implementation across the five regions

The activity will include the development of new methodologies/modules (e.g. socio-economic analogues) and capacity building activities.

Start date (dd-MM-yyyy): 01-01-2015	**End date (dd-MM-yyyy):** 31-12-2016
Leader: Bonilla, Osana <o.bonilla@cgiar.org>, FP1 Leader - FP1 Leader	
Status: On-going	**Justification:** New version of the analogues tool incl. socio-economic module; Target Population Environment online portal developed; bias correction interface added to the ccafs-climate. Range of key reports produced to channel key messages and recommendations for decision makers in view of SBSTA and COP 21. USAID Feed The Future CSA review to be presented at GLEE's confenrence. Five new CSA country profiles. CSA prioritization framework pilots completed in Guatemala and Mali and initiated in Vietnam. Overall framework and practical CSA Indicator tool developped for supporting program design using "CSA goggles". First CSV global learning workshop held in India.

Activity #3

Title: Predictive technologies for climate-smart agriculture

Description: Model-based studies will play an increasingly important role for testing and upscaling promising CSA technologies and practices. This activity uses models to evaluate CSA practices and facilitate decision making. Potential changes in land-use dynamics in agriculture will be determined, along with crop-specific breeding needs. We will also investigate CSA practices under future climate scenarios using data from CSVs and crop-climate models, and will mainstream important findings onto both the CGIAR and broad scientific and policy contexts (e.g. the IPCC).

Analyses will determine, for example, when cropping system transformations expected during the 21st century. he activity will also look into emergence of signal (from noise) of different processes across different mega-environments for maize in Sub-Saharan Africa. In collaboration with AgMIP, focus will be placed on crop model simulations of high temperature stress and CO2 response for important staple crops (i.e. maize, wheat).

Start date (dd-MM-yyyy): 01-01-2015	**End date (dd-MM-yyyy):** 31-12-2016
Leader: Challinor, Andrew <a.j.challinor@leeds.ac.uk>, University of Leeds	
Status: On-going	**Justification:** The various planned papers were published or are greater or equal to submitted, and so can be considered as completed. All deliverables are on-track. The following two deliverables are planned for official release in 2016 following FS1 global comms strategy: * Review of breeding strategies work jointly with GRiSP and Grain Legumes, including comms strategy –release mid-year * Adaptation of maize breeding and delivery to warming –release once paper is accepted in Nature Climate Change

Activity #4

Title: CSA evidence base

Description: Planning climate smart agriculture programs and implementation requires an understanding of the current state of the agricultural system in a country or region. Such understanding includes gathering information on the local agricultural context, including current and future biophysical and socio-economic risks and vulnerabilities. This activity links the household-level databases and characterisations and country CSA profiles being developed as part of the P4S-CSA project (situation analysis in CSA-Plan) with site-specific crop-climate model simulations in order to produce risk and vulnerability profiles for a set of target countries (initially Niger, Ethiopia and Malawi). Focus will be placed on climate and soil fertility related vulnerabilities. Risk profiles will be key for identifying promising CSA options that will be then prioritised (prioritisation framework), which then feeds into the design of CSA programs.

Start date (dd-MM-yyyy): 07-10-2015	**End date (dd-MM-yyyy):** 31-12-2016
Leader: Ramirez Villegas, Julian <j.r.villegas@cgiar.org>, University of Leeds	

Status: On-going	**Justification:** A 2-month visit in Nairobi by lead scientist J. Ramirez-Villegas was done in 2015. We held a workshop at ICRAF Headquarters in Nairobi with lead P4S-CSA scientists Todd Rosenstock, Evan Girvetz, and Christine Lamanna, and ILRI scientist Mark van Wijk. We developed a framework for analysis of Risks and CSA Options at the Household level (RHO) where models play a central role. Using information from the World Bank LSMS household survey for Niger, we developed a "proof of concept" analysis, which is published as a CCAFS Info Note at https://cgspace.cgiar.org/handle/10568/70259

Lessons regarding your project activities and possible implications for the coming planning cycle: -

7. Leverages

Leverage #1	
Title: Enhancing ecosystem services of the Maulawin spring protected landscape (Philippine Tropical Forest Conservation Foundation, Inc).	
Partner name: IIRR - International Institute of Rural Reconstruction - Philippines	
Year: 2015	
Flagship: FP1: Climate-smart practices	**Budget:** US $43,570.00

Leverage #2	
Title: Typhoon Glenda Relief (American Jewish Joint Distribution Committee -JDC)	
Partner name: IIRR - International Institute of Rural Reconstruction - Philippines	
Year: 2015	
Flagship: FP1: Climate-smart practices	**Budget:** US $13,666.00

Leverage #3	
Title: Scaling out tested climate smart approaches at the municipal level in Guinyangan Quezon (Peace and Equity Foundation - PEF)	
Partner name: IIRR - International Institute of Rural Reconstruction - Philippines	
Year: 2015	
Flagship: FP1: Climate-smart practices	**Budget:** US $13,666.00

Leverage #4	
Title: Bridging Relief and recovery towards resilience building in disaster affected areas in Panay (American Jewish Joint Distribution Committee-JDC)	
Partner name: IIRR - International Institute of Rural Reconstruction - Philippines	
Year: 2015	
Flagship: FP1: Climate-smart practices	**Budget:** US $123,831.00

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BILATERAL_W3_ONLY

Title: African Monsoon Multidisciplinary Analysis (AMMA-2050)

Start date (dd-MM-yyyy)	01-06-2015	**End date (dd-MM-yyyy)**	31-05-2019
Management liaison	F1 - Flagship 1	**Mgmt. liaison contact**	Bonilla, Osana <o.bonilla@cgiar.org>
Lead organization	University of Leeds - United Kingdom	**Project leader**	Challinor, Andrew <a.j.challinor@leeds.ac.uk>
Project type	BILATERAL	**Bilateral Contract/ Proposal**	FP1_Leeds_ AMMA_ Bilateral.pdf

Project is working on

Flashiip(s)	Region(s)
FP1: Climate-smart practices	RP WA: West Africa

Core project(s) contributing to this project

This project does not have Core projects

Summary

The project will build on the largest multidisciplinary research effort ever undertaken in the area of African climate and environment, the African Monsoon Multidisciplinary Analysis (AMMA; 2003 to present), to address the challenges of understanding how the monsoon (and extreme weather events) will change in future decades, and how this information can be effectively used to support climate-compatible development in West Africa.

These events will be studied regionally in order to improve our understanding of future trends and better explain the uncertainties inherent in such projections of rainfall.

In addition to assessing how urban planning (a key concern due to the growing populations of cities) and agricultural cultivation schemes (where large sections of the population still depend on subsistence farming) will be impacted at a regional level we will also determine in depth how urban planners use information on flooding to make their plans, and to develop agriculture planting programmes.

2. Partners

Partner #1 (Leader)

Institution: University of Leeds

Contacts

Type	Contact	Responsibilities and contributions
Project Leader	Challinor, Andrew <a.j.challinor@leeds.ac.uk>	Leader for University of Leeds, parnter of WP3.2 Adaptation Options for the Future
Project Coordinator	Ramirez Villegas, Julian <j.r.villegas@cgiar.org>	Project coordination

Partnerships overall performance over the last reporting period: <Not defined>

Lessons regarding your partnerships and possible implications for the coming reporting cycle: <Not defined>

3. Locations

Project level	Latitude	Longitude	Name
Region	Not applicable	Not applicable	West Africa
Country	Not applicable	Not applicable	Burkina Faso
Country	Not applicable	Not applicable	Ghana
Country	Not applicable	Not applicable	Mali
Country	Not applicable	Not applicable	Niger
Country	Not applicable	Not applicable	Senegal

4. Outcomes

4.1 Project outcome narrative

Project outcome statement : <Not defined>

Annual progress towards outcome (end of 2015): <Not defined>

Annual progress towards project outcome in the current reporting cycle (2015): <Not defined>
Communication and engagement activities have contributed to achieving your Project outcomes: <Not defined>
Evidence documents of progress towards outcomes: <Not defined>

Annual progress towards outcome (end of 2016): <Not defined>

Annual progress towards outcome (end of 2017): <Not defined>

Annual progress towards outcome (end of 2018): <Not defined>

Lessons regarding your Theory of Change and implications for the coming planning cycle; e.g. how have your assumptions changed, or do you have stronger evidence for them: <Not defined>

4.2 Contribution to CCAFS Outcomes

RP WA - Outcome 2019: Public (MoAgr, MoLiv, MoEnv, MoRuD, MoPla, NARS) institutions and stakeholders, NGOs use CCAFS decision support tools to prioritize and design national level investments on CSA that will strengthen smallholder farmers adaptive capacity. Local decentralized Gov. services, NGOs and extension services partner to promote and scale up CSVs models using portfolios of CSA technologies and practices for local adaptation planning.

Indicator #1: FP1 Indicator: # of national and subnational development initiatives and public institutions that prioritize and inform project implementation of equitable best bet CSA options using CCAFS science and decision support tools

2015		
Target value: 0	**Cumulative target to date:** 0	**Target achieved:** 0.0
Target narrative: <Not defined>		

2015
Narrative for your achieved targets, including evidence: Project contributes to fundamental understanding of (1) physical climate change, and (2) climate change impacts on crop yields (maize and sorghum), through upstream science oriented towards understanding and explicitly simulating convective systems in West Africa, and process-based simulation of crop yields.
The expected annual gender and social inclusion contribution to this CCAFS Outcome: <Not defined>
Narrative for your achieved annual gender and social inclusion contribution to this CCAFS outcome: none

2016	
Target value: <Not defined>	**Cumulative target to date:** 0
Target narrative: <Not defined>	
The expected annual gender and social inclusion contribution to this CCAFS Outcome: <Not defined>	

2019	
Target value: <Not defined>	**Cumulative target to date:** 0
Target narrative: <Not defined>	
The expected annual gender and social inclusion contribution to this CCAFS Outcome: <Not defined>	

2014		
Target value: <Not defined>	**Cumulative target to date:** 0	**Target achieved:** <Not defined>
Target narrative: <Not defined>		
Narrative for your achieved targets, including evidence: <Not defined>		
The expected annual gender and social inclusion contribution to this CCAFS Outcome: <Not defined>		
Narrative for your achieved annual gender and social inclusion contribution to this CCAFS outcome: <Not defined>		

4.3 Other Contributions

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Contribution to other CCAFS Impact Pathways: <Not defined>

Collaborating with other CRPs: <Not defined>

4.4 Outcome case studies

There is not an Outcome Case Study added.

5. Project outputs

5.1 Overview by MOGs

Major Output groups - 2019

FP1 - MOG # 2: Biophysical, socio-economical and tradeoffs analyses (incl. enabling environments and gender), innovative methods, engagement approaches and customized decision support tools for CSA prioritization, wide scale adoption, local adaptation and investment planning (LAM, WA, EA, SA, SEA)

Brief bullet points of your expected annual 2019 contribution towards the selected MOG
<Not defined>

Brief plan of the gender and social inclusion dimension of the expected annual output
<Not defined>

Major Output groups - 2014

FP1 - MOG # 2: Biophysical, socio-economical and tradeoffs analyses (incl. enabling environments and gender), innovative methods, engagement approaches and customized decision support tools for CSA prioritization, wide scale adoption, local adaptation and investment planning (LAM, WA, EA, SA, SEA)

Brief bullet points of your expected annual 2014 contribution towards the selected MOG
<Not defined>

Brief summary of your actual 2014 contribution towards the selected MOG:
<Not defined>

Brief plan of the gender and social inclusion dimension of the expected annual output
<Not defined>

Summary of the gender and social inclusion dimension of the 2014 outputs:
<Not defined>

Major Output groups - 2015

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FP1 - MOG # 2: Biophysical, socio-economical and tradeoffs analyses (incl. enabling environments and gender), innovative methods, engagement approaches and customized decision support tools for CSA prioritization, wide scale adoption, local adaptation and investment planning (LAM, WA, EA, SA, SEA)

Brief bullet points of your expected annual 2015 contribution towards the selected MOG
<Not defined>

Brief summary of your actual 2015 contribution towards the selected MOG:
Project contributes to fundamental understanding of (1) physical climate change, and (2) climate change impacts on crop yields (maize and sorghum), through upstream science oriented towards understanding and explicitly simulating convective systems in West Africa, and process-based simulation of crop yields.

Brief plan of the gender and social inclusion dimension of the expected annual output
<Not defined>

Summary of the gender and social inclusion dimension of the 2015 outputs:
none

Major Output groups - 2016

FP1 - MOG # 2: Biophysical, socio-economical and tradeoffs analyses (incl. enabling environments and gender), innovative methods, engagement approaches and customized decision support tools for CSA prioritization, wide scale adoption, local adaptation and investment planning (LAM, WA, EA, SA, SEA)

Brief bullet points of your expected annual 2016 contribution towards the selected MOG
<Not defined>

Brief plan of the gender and social inclusion dimension of the expected annual output
<Not defined>

Lessons regarding your major outputs groups (MOGs) and possible implications for the coming planning cycle: <Not defined>

5.2 Deliverables

<Not defined>

5.3 Summary on next-users

<Not defined>

5.4 Project highlights

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6. Activities

<Not defined>

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7. Leverages

<Not defined>