

CCAFS Activity Workplans and Budgets for 2010

The activities in Table 1 and 2 are arranged by CCAFS Themes. Table 1 shows the summary of the funding to be allocated to activities, while Table 2 shows the detailed breakdown. The funds shown in these tables represent the funds for "research expenses", i.e. these tables exclude the salary, travel and other costs to host institutions. The final package of requests was negotiated amongst theme leaders leading to decreases in some themes and increases in others (relative to the original contracts with Host Institutions), but with the overall total budget remaining the same. Theme leaders requested that some funds be taken out of Theme budgets in order to do some centralised communications activities - this is reflected in the last row of Table 1. Budgets are broken down by "global" (i.e. under direct control of Theme Leaders) and "regional" (i.e. under direct control of Regional Facilitators - regional activities are expected to contribute to Themes, and thus they are arranged by Theme). The regional budgets have been broken down according to the three targeted regions.

We have tracked expenditure in relation to gender, capacity building and communications:

18% of the budget has been allocated to activities with a gender dimension to them.

19% has been allocated to activities with a capacity development dimension.

11% of the Theme budgets has been allocated to communications-related activities

In this first year of activity, many activities will be initiated as part of the process of scoping and partnership development. After the Nairobi meeting, where key areas of activity were identified by stakeholders, it is necessary to undertake some specific scoping activities to identify the specific knowledge gaps that there are, and to identify key stakeholders for follow up activities.

Some activities are planned on the assumption of CCAFS transforming rapidly into MP7, e.g. the various network meetings planned to establish cross-centre activities in both adaptation and mitigation. In addition in a number of activities the MP7 link is indicated.

Although many activities are start-up activities, some key outputs in 2010 include: (a) Vulnerability mapping for the tropics with up-to-date datasets and from the perspective of productivity, food security and sustainability. (b) Review of adaptation related policies at national and sub-national level in target countries (c) Prototype regional scenarios produced for the targeted regions. (d) Report on current mechanisms for risk spreading and transfer at study locations, and preliminary strategy for interventions to pilot with rural stakeholders. (e) Report on current climate information services and information bottlenecks for study regions. (f) Initial development of an analog method for examining both spatial and temporal analogs based on multiple climate projections. (g) Synthesis of state of the art of mitigation appropriate for smallholders. A number of these products will form the basis of outreach activities related to UNFCCC processes in 2010. And a number of CCAFS products will already be included in Special Issues of journals, with three different special issues planned by Theme Leaders and partners.

Table 1. Summary of total budget by theme, and allocations to various kinds of activities (in US\$ 000)
(Note that the columns with budget items for specific activities are not additive, as a particular activity can, e.g., be both gender-related and have a communications dimension; in addition in the case of some

Theme	Global or regional	Total Budget	Gender-related activities	Capacity enhancement activities	Communications related activities
Theme 1	Global	550	0	0	0
	Regional	390	75	0	0
Theme 2	Global	350	120	0	0
	Regional	420	0	120	0
Theme 3	Global	330	100	40	140
	Regional	600	0	450	0
Theme 4	Global	340	20	50	20
	Regional	410	150	60	50
Theme 5	Global	305	0	30	10
	Regional	400	105	50	0
Theme 6	Global	295	0	50	13
	Regional	325	160	85	20
<i>Total for centralized communications</i>		300	150	0	300
TOTAL		5015	880	935	553

Table 2. Detailed proposals for activities and budgets. (Note that the columns with budget items for specific activities are not additive, as a particular activity can, e.g., be both gender-related and have a communications dimension; in addition in the case of some activities the gender or capacity or communications piece may only be a small part of the total budget)

Gender-related (=Gend), capacity development (CD), and communications (Com) activities are separated out; ++ = allocated to host institution.

Note that the columns with budget items are not additive, as a particular activity can, e.g., have both gender-related and communications-related dimensions.

Theme 1, Diagnosing vulnerability and analysing opportunities									
Activity in 2010	Outputs in 2010	Partners	Budget (US\$ 000)				Budget by region (US\$000)		
			Gend	CD	Com.	Total	IGP	WA	EA
Suite of downscaled climate data, 2030s to 2050s available for homogenised applications within CCAFS/MP7	Data freely available on the web; paper published in 2010; this information used to help drive IMPACT scenario quantification (see Objective 3), for more effective evaluation of trade-offs.	UK Met Office, NCAR, PIK, Waen Associates, WCRP				40			
Regional climate characterisation and GCM / RCM performance evaluated for the three target regions	A regional report for the three target regions describing climate trends and the "state of the art" concerning climate model ensembles for regional analyses to the 2050s. Improved information to help drive scenario quantification and impact assessment models in CCAFS/MP7, for more effective evaluation of trade-offs.	Oxford University, University of Cape Town, others				130			
Develop a research and partnership engagement strategy for decadal /near-term climate inputs for CCAFS/MP7	Road map (a document) that describes plans to engage the global community and develop and deliver cutting-edge climate science inputs to CCAFS/MP7, particularly to Theme 4 and 5.	IRI, EQUIP, WCRP, other partners to be determined				40			
Development of a simplified rangeland model for global & regional gridded applications ("G-Range")	Model documentation (2010) and paper published (2011); model used to help quantify the global and regional scenarios in CCAFS/MP7	National Resource Ecology Lab Colorado State University, ILRI				25			
Scoping studies on agricultural impact models in concert with the global modelling community (in coordination with Themes 4 and 5), to identify gaps and opportunities	Meta-analyses and meeting reports on critical gaps and needs in relation to crop models, including consideration of crop species that are critical for food security but for which models do not yet exist. This information used to help set priorities concerning crop model development and inter-model comparisons, to increase the quality and breadth of crop simulation inputs to CCAFS/MP7 and thus the evaluation of trade-offs at multiple scales.	IFPRI, ICASA, GCMP, University of Georgia, IGBP, IRRI, CIP, others to be determined				190			

Activity in 2010	Outputs in 2010	Partners	Budget (US\$ 000)				Budget by region (US\$000)		
			Gend	CD	Com.	Total	IGP	WA	EA
Identification and prioritising of major gaps in spatial data layers that are critical for the data and research integration and modelling framework of CCAFS/MP7	Freely available web-based data sets and documentation on key data layers (including soils data, land cover, and agricultural systems), for more efficient and effective integrated modelling efforts for decision- and policy-making at local, national, regional and global levels	IFPRI, ICASA, University of Georgia, IIASA, IFPRI, ILRI, U of Wisconsin, regional partners TBD (e.g. ASARECA, CORAF, RWC, AU, ICPAC, ACMAD, Agrhymet)				125			
<i>Total for Theme 1</i>			0	0	0	550			

Activity in 2010	Outputs in 2010	Partners	Budget (US\$ 000)				Budget by region (US\$000)		
			Gend	CD	Com.	Total	IGP	WA	EA
Theme 3 Enhancing engagement and communication									
Regional scenario analyses (including scenarios officer) – see also below under regional budget	Prototype regional scenarios produced (main regional uncertainties identified; initial regional storylines developed; reports, and initial scoping for model analysis), for building regional teams, increasing mutual understanding of science policy and private sector processes, drafting coherent scenario story lines, and undertaking initial semi-quantitative analyses	Travel costs and scenarios officer position for University of Oxford. Key stakeholders identified at Launch Conference, follow-up meetings in the three regions during 2010		40		120			
Scoping study of ongoing CG and ESSP CC-related work & partners in WA, EA & IGP and gaps/CCAFS opportunities	Table & synthesis document and shared database available to partners on CGMAP; Concept note & proposal for donor decision-support tool for CC-related investments. Information made freely available on the web	ICT-KM (funds to be allocated to them); CG CC contact points; USAID; ESSP partners identified through START and other ESSP projects			40	40			
Research locations and joint research protocol development across all themes with key partners for identification of initial sites, further partners, research questions and partnership building approaches and strategies	Survey instruments, initial sites and partners; regional and local partnership strategy developed	University of Reading, ICRAF, CORAF, ASARECA, RWC, ICRISAT, IWMI, IRRI, ILRI as well as numerous national partners				70			
Vulnerability mapping for the tropics with up-to-date datasets and from the perspective of productivity, food security and sustainability	Maps and report on web, the information to be used as one input to subsequent priority setting for CCAFS/MP7 and other MPs	ILRI, GECAFS, IFPRI, CIAT, other partners selected during planning	100		100	100			
Total for Theme 3			100	40	140	330			

Activity in 2010	Outputs in 2010	Partners	Budget (US\$ 000)				Budget by region (US\$000)		
			Gend	CD	Com.	Total	IGP	WA	EA
Regional Funds for Theme 3 outputs									
Regional scenario analyses – see also above + Planning workshop with regional facilitators	Prototype regional scenarios produced (main regional uncertainties identified); CCAFS strategic partners identified in WA, EA and IGP;	Workshop costs for one scenarios meeting in each region in 2010				150	50	50	50
3 regional workshops with participatory future scenarios to build local partnerships and identify opportunities for CCAFS collaborative research	initial regional storylines developed; reports, and initial scoping for model analysis; enhancing capacity for regional policy analysis). Regional future scenarios and joint research workplans developed	Follow up workshop in each region (50k per meeting); Commissioned storyline writing (10k/region)		180		180	60	60	60
Contracting regional partners to ensure their own institutional capacity is strengthened and that of other local and regional partners to help conceptualise and deliver the products of the program at the regional level	Develop strong partnerships in each of the three regions, based on a clear set of contracted services to be contributed by the partners to the CCAFS program (90k each) to regional organizations x3 (ASARECA, CORAF, RWC). Each regional organisation will be asked to lead the above-mentioned workshops, including: doing a survey of potential partners, preparing the invitation list for the workshops, making sure we get good facilitators from the region, preparing the workshop reports, and handling all logisitcs for the meetings.	ASARECA, CORAF, RWC (TBC)		270		270	90	90	90
Total for Theme 3 in Regions			0	450	0	600	200	200	200

Activity in 2010	Outputs in 2010	Partners	Budget (US\$ 000)				Budget by region (US\$000)		
			Gend	CD	Com.	Total	IGP	WA	EA
Theme 4 Adaptation pathways based on managing current climate risk									
Theme 4, Objective 1 Local-level risk management									
Planning workshop to synthesize work across Centres on climate-resilient technology, MRV technologies under development and climate risk management, and plan joint research agenda for anticipated MP7	Synthesis and strategy paper to inform MP7 work planning	CGIAR Centre to host (potentially ICRISAT)				60			
Analyse priority knowledge and methodology gaps for index-based insurance, and frame CCAFS value-addition strategy for subsequent work	Report on priority knowledge and methodology gaps for index-based insurance, CCAFS advantage and strategy	Single-sourced consultant to be determined				30			
Theme 4, Objective 2 Food system risk management									
Scoping study of current state, trends, emerging opportunities to incorporate advance information into management of climate-related food crises and price fluctuations, in preparation for consultation workshop and subsequent work on improving response with key humanitarian response and trade organizations	Report on current state, trends, emerging opportunities to incorporate advance information into management of climate-related food crises and price fluctuations, as input to stakeholder workshop (planned for 2011)	C. Barrett (Cornell U.), other consultant to be determined				40			

Activity in 2010	Outputs in 2010	Partners	Budget (US\$ 000)				Budget by region (US\$000)		
			Gend	CD	Com.	Total	IGP	WA	EA
THEME 5 Adaptation pathways under progressive climate change									
Theme 5, Objective 1 Testing and evaluating technologies, practices and policies									
Meeting to plan multi-site trial data amongst all participating CGIAR centers, as well as key partner institutions that have access to such data, including developing country partners to be identified	Detailed plan for implementation	To be hosted in target region by CGIAR centre (IWMI/ILRI/ICRAF or ICRIASAT). Further partners to be identified into the planning meeting.				50			
Compilation of multi-site trial data (primarily crops, but also agricultural practices e.g. water mgt.) for at least 10 crops across the regions (++)	Databases and online repository of trial data along lines of http://www.africats.org , to be used in year 2 and 3 as the basis for improving models, and analysing efficacy of potential adaptation options	CIAT as lead to design standard formats and the centralized IT service for managing data (given their track record on africats.org - \$100k) but with multiple CG-centers, CIRAD, NARS and universities as partners and data providers (each partner receiving no more than 10k) (further budget in regional budget)				150			
Initial development of an analog method for examining both spatial and temporal analogs based on multiple climate projections	First methodology developed and used to identify candidate site-based studies using prelim climate scenario data, 2011 enabling it on web. Provides means to link sites, and validate results of models	Limited tender. Scoping document on groups involved in these kinds of methods has identified 3-5 potential providers				50			
Scoping study on pest and disease data availability and modelling options (joint activity with Theme 4, Objective 1)	Strategy document on approaches for inclusion of pest/disease changes in development of adaptation pathways, journal article	Pre-identified consultant – two names currently under consideration				15			
Establishment of an adapting to progressive climate change blog for internal and external communications	Blog with at least 3 stories per week documenting progress on Theme 5 implementation, and linking to appropriate external initiatives. To be linked to centralised communications initiatives	12 month intern to be based with theme leader.			10	10			

Activity in 2010	Outputs in 2010	Partners	Budget (US\$ 000)				Budget by region (US\$000)		
			Gend	CD	Com.	Total	IGP	WA	EA
Theme 5, Objective 2 Crop improvement strategies									
Development of crop modelling approaches for 10 crops major crops to evaluate impacts and run scenario analysis (e.g. crop improvement scenarios). To include initial work on combining niche-based modelling with crop modelling. Development of niche-based modelling for other major crops of the regions of importance to regional food security (in coordination with Themes 4 and 1)	Detailed plan of modelling approaches for Theme 5, initial runs under crop improvement scenarios for at least 3 crops	In house: Leeds and CIAT. Postdoc position funded as part of Science Officer in Leeds. Additional PhD student to commence in September 2010 (30k for PhD student). I collaboration with WCRP		30		30			
Jointly develop set of climate projections with other themes (Final product will come out under Theme 1)	First set of climate projections available for Theme 5 analysis	In house: Leeds and CIAT plus other themes 1 + 4							
<i>Total for Theme 5 over all Objectives</i>			0	30	10	305			

Activity in 2010	Outputs in 2010	Partners	Budget (US\$ 000)				Budget by region (US\$000)		
			Gend	CD	Com.	Total	IGP	WA	EA
Regional Funds for Theme 5 outputs									
Support in the establishment of baselines of adaptation options, policies and technologies in priority sites (also provides testimonials for filling website on testimonials)	Gender-explicit baseline database for 1000's of farms across the sites in the 3 regions	1 local partner per priority site, TBD in collab with regional facilitators	105			105	35	35	35
Gathering of multi-site technology evaluation data at regional level	Datasets of technology evaluation in multiple sites in target regions within the trial sites database	Multiple providers, each receiving 5-20k each to compile data. CIRAD to coordinate West Africa compilation with larger contract				190	50	70	70
Co-funding policy review of adaptation related policies at national and sub-national level in target countries (together with Theme 2)	For target countries, compendium of local (community), sub-national and national level policies that might support adaptation and that might benefit for better information and knowledge about agricultural adaptation	Consultant in each target region to provide desk-based study and synthesis. Funds for salary and travel				55	15	20	20
Initial establishment of a farmer-based experimentation network in one target site for on-farm participatory adaptation testing and visualisation	Farmer-based experimentation network established for lessons to be learnt in 2011 and possible upscaling if successful	Active NGO in target site to be identified based on competency		50		50	50	0	0
<i>Total for Theme 5 in Regions</i>			105	50	0	400	150	125	125

Activity in 2010	Outputs in 2010	Partners	Budget (US\$ 000)				Budget by region (US\$000)		
			Gend	CD	Com.	Total	IGP	WA	EA
Theme 6 Poverty alleviation through climate change mitigation									
Theme 6, Objective 1 Low C development pathways and livelihoods									
Revisit Yates hypothesis that increased agricultural intensification will enable increased forest-based C seq and any increased emissions from intensification will be offset by C sequestration in forests.	Review and user needs assessment; brief to be distributed at and before COP16 to inform national decisions makers, negotiators and policy advocacy groups and get media coverage	CAADP and equivalent in IGP; START; GCP; IHDP				55			
Theme 6, Objective 2 On-farm mitigation									
Produce summary and synthesis of state of the art of mitigation appropriate for smallholders. Identify existing mitigation themes and projects related to methods and poverty alleviation. Commission papers on these topics and projects. Authors will be asked to examine poverty alleviation implications. Writing workshops held in July and Sept. July meeting used to review drafts. Sept meeting used to prepare final drafts and proposal to UK ESPA	Scientific journal issue + synthesis paper in Global Environmental Change. Policy brief pre COP16 (note a number of policy briefs are planned for COP16 under different activities - at least one of these will be prepared, perhaps more, but the final number produced will be determined by the opportunities available for influence at COP16)	FAO plus partners in the three targeted regions (with additional partners drawn in for case studies from other regions with high potential for mitigation), IIED plus developing country partners, Vi Agroforestry in Kenya/WB Biocarbon Fund; Ecoagriculture's partners in Kenya, Ethiopia, Mali (60 for commissioned papers; 60 for workshops)				120			
Coordinate researchers' workshop to review current on-farm mitigation research to identify priorities and integrate future mitigation research. Assess interest and potential for capacity building through PhD students from the target regions	Multiple institute agenda for mitigation research relevant to developing countries published in major journal	CIMMYT (host); CORAF, ASARECA, Rice-Wheat consortium; ANAFE, RUFORUM, START		50		95			

Activity in 2010	Outputs in 2010	Partners	Budget (US\$ 000)				Budget by region (US\$000)		
			Gend	CD	Com.	Total	IGP	WA	EA
Bringing together experts on livestock, global environmental change and poverty to identify policy options to improve sustainability of livestock systems and contribute to global debate on role that livestock systems could play in mitigation of GHG's and poverty in the future.	Proceedings of the National Academy of Sciences special issue (freely available on web in developing countries)	ILRI, IIASA, FAO, PIK, PBL, SEI, IFPRI, ICRAF and local/regional partners			13	13			
Global review of mitigation potential of coffee farming and framework for trade-offs analysis (coffee being selected as one example of a promising tree crop where mitigation could be important; but using a case study approach to explore a framework for trade-off analyses that can be applied more widely).	Scientific article, agroforestry systems	U of Vermont, PRISMA				12			
Theme 6, Objective 3 Incentives and Institutions									
Lessons learned from REDD (DFID funded) about how to influence the UNFCCC negotiation process to include agriculture, and design institutional architecture to ensure benefits flow to the poor and women	Report - Policy brief pre COP16; For agricultural advocacy groups participating in COP16 and agricultural project developers	CIFOR, REDD project teams in developing countries (the funding for this comes direct from DFID to CCAFS for this study)							
<i>Total for Theme 6 over all Objectives</i>			0	50	13	295			

Activity in 2010	Outputs in 2010	Partners	Budget (US\$ 000)				Budget by region (US\$000)		
			Gend	CD	Com.	Total	IGP	WA	EA
Centralised Activities, Communications platform:									
Video testimonials for each region on gender-specific adaptation and mitigation strategies, adaptive capacity, coping mechanisms and indigenous knowledge	Short films freely available on website and shared with global and regional partners for viewing at various future events across the 3 regions for raising awareness of CC-ag-food security linkages and opportunities	ICT-KM project, START, CARE, Oxfam, jointly with regional/local partners TBD at regional workshops	150		150	150			
Establishment of a go-to-place for agricultural adaptation and mitigation knowledge – website cataloguing ongoing research and development activities in the region	Freely available web-based information on who is doing what, where and with whom on CCAFS-related R4D issues, for awareness raising, informing donor and researcher resource allocation decisions, enhancing the efficiency and effectiveness of research activities (e.g. for identifying value-adding activities)	ICT-KM, START, CARE, Oxfam, ESSP, CGIAR, CTA, various donors			150	150			
<i>Total for centralized communications activities</i>			150	0	300	300			