Africa RISING in the Ethiopian Highlands

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Where Africa RISING Operates in Ethiopian Highlands?

Phase I: 2012 to 30 Sept 2017
What We Do?

Phase I: 2012- Sept 2016

- An action research project;
- Focus on technology identification, testing and validation; and
- Resource intensive and focused more on quality than quantity.

Phase II: Oct 2016- 2021

- Primarily research to backstop scaling initiatives with development partners (DPs); and
- Systematic horizontal and vertical scaling of phase I innovations with DPs.
Africa RISING’s Phase I interventions: Examples

- Irrigated/rain-fed forages
- Feed and food crop (Sweet lupin)
- Fodder and fertilizer trees/shrubs
- Post-harvest feed management and utilization
Soil-test based nutrient amendments

PVS on major crops

Community based seed multiplication

High value fruit trees - apple
Water harvesting, lifting and saving - ponds, rope and washer and solar pumps

Multipurpose 2-wheel drive tractor

Land reclamation through biological and physical means at model watershed scale
Africa RISING Phase II Targets and Achievements

- Preliminary targets: 0.7 million direct beneficiary hhs with the potential to scale to a further 3.4 million hhs.

Table 1. Africa RISING - Scaling and R4D initiatives in 2017 cropping season

<table>
<thead>
<tr>
<th>Region</th>
<th>Zone</th>
<th>Woreda</th>
<th>Technology type</th>
<th>Male HHs</th>
<th>Female HHs</th>
<th>Total HHs</th>
<th>Areas (ha)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tigray</td>
<td>2</td>
<td>5</td>
<td>Crop, livestock, NRM</td>
<td>6769</td>
<td>1636</td>
<td>8405</td>
<td>1361</td>
</tr>
<tr>
<td>Amhara</td>
<td>1</td>
<td>10</td>
<td>Crop, livestock, NRM</td>
<td>22338</td>
<td>2099</td>
<td>24438</td>
<td>8154</td>
</tr>
<tr>
<td>Oromia</td>
<td>1</td>
<td>7</td>
<td>Crop, livestock, NRM</td>
<td>21911</td>
<td>3182</td>
<td>25093</td>
<td>10774</td>
</tr>
<tr>
<td>SNNPR</td>
<td>3</td>
<td>6</td>
<td>Crop, livestock, NRM</td>
<td>2210</td>
<td>246</td>
<td>2456</td>
<td>108</td>
</tr>
<tr>
<td>Total</td>
<td>7</td>
<td>28</td>
<td>Crop, livestock, NRM</td>
<td>53228</td>
<td>7163</td>
<td>60392</td>
<td>20397</td>
</tr>
</tbody>
</table>

- Reached to more than 60392 hhs and covered 20397 ha of land in 2017 with less than 12 month; and
- DPs convinced by the research evidences and co-invested in the scaling initiatives.
Challenges and Opportunities

Opportunities:

- Increasing demand for the Africa RISING validated technologies/innovations;
- Most of Africa RISING validated technologies/innovations are in alignment with the Ethiopian government development priorities; and
- Strong partnership with CGIAR centers, local Universities, research institutions, extension, NGOs, communities and some private entrepreneurs.
Challenges:

- Funding uncertainties: More can be done if there was no resource limitation; and
- Funding uncertainties create less trust with CGIAR and local partners.
Africa RISING CGIAR partners in Ethiopia

ILRI

CIAT

ICRISAT

CIMMYT

ICARDA

IFPRI

World Agroforestry Centre

IWM International Water Management Institute
Local partners (Phase 1) - Ethiopia

- **Academic institutions:**
  - Wachemo, Mekelle, Madawolabu, Debre Berhan and Hawassa universities; Maichew Agricultural College

- **Regional research organizations:**
  - Amhara Regional Agricultural Research Institute, Southern Agricultural Research Institute, Tigray Agricultural Research Institute, Oromia Agricultural Research Institute

- **Federal research organizations:**
  - Ethiopian Institute for Agricultural Research, Ethiopian Public Health Institute

- **Offices of Agriculture:**
  - Endamekoni (Tigray), Basona Worena (Amhara), Lemo (SNNRP) and Sinana (Oromia)

- **Private entrepreneurs:** Fuji integrated farm

- **NGOs:** GRAD, Hundie, SOS Sahel, Sunarma

- **Agricultural Transformation Agency (ATA)**

- **Innovation laboratories:** SIIL, ILSSI, PHIL, LSIL
Africa RISING program communication tools:

- Website: http://africa-rising.net/
- Wiki space: http://africa-rising.wikispaces.com/events
- Flickr: https://www.flickr.com/photos/africa-rising/sets
- Presentation: http://www.slideshare.net/africa-rising
- Documents and outputs: http://cgspacce.cgiar.org/handle/10568/16498
Africa Research in Sustainable Intensification for the Next Generation

africa-rising.net