### Theory of change

**MAIZE value for money proposition**

**Research Strategy 1 – Sustainable intensification and income opportunities for the poor;**
- **Research Strategy 2 – New maize varieties for the poor;**
- **Research Strategy 3 – Integrated post-harvest management**

### Results
1. New devastating Maize Lethal Necrosis (MLN) disease in East Africa addressed quickly. MLN screening facility in partnership with the Kenya Agricultural Research Institute (KARI) is operational.
2. Investments made in Doubled Haploid (DH) technology to accelerate the development of stress-resilient maize varieties. Opening of CIMMYT-KARI facility to support all African breeders.
3. Drought Tolerant Maize for Africa (DTMA) project: 30,000 mt of commercial drought-tolerant seed produced in 2012.
4. MAIZE & CCAFS developing a network to identify and improve combined drought and heat stress tolerance in current maize varieties of Africa and South Asia.

### Lessons
1. Small-scale mechanization becomes crucial for farmers increasing productivity in Eastern and Southern Africa, in South Asia and in Mexico.
2. Seed sector development in Nepal taps and capitalizes on the power of women and socially excluded groups.

### Opportunities
1. Communication technologies provide new options for sustainable intensification of maize-based systems: first cell phone service in Mexico providing information to a growing network of farmers.
2. Seeds of Discovery: providing cutting-edge data, knowledge on maize genetic diversity and creating new breeding material.

### Research proposition

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<td><strong>System Level Outcomes</strong></td>
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<tr>
<td>SLO1 Reducing Rural Poverty</td>
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<td>SLO2 Increasing Food Security</td>
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<td>SLO2 Sustainable management of natural resources</td>
<td>SLO2 Improving Health &amp; Health</td>
<td>SLO3 Improving Health &amp; Health</td>
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<td>IDO 1. Increased productivity and stability of farming systems</td>
<td>IDO 2. Increased income of smallholder farmers</td>
<td>IDO 5. Reduced aflatoxin in maize value chain</td>
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### Gender
1. MAIZE Gender Strategy monitors progress:
   - More MAIZE projects have explicit gender commitments and budget.
   - More women/young farmers involved in and providing feedback to participatory research activities.
2. MAIZE Gender Audit executed.

### Key Contact

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