SANREM CRSP Overview

Sustainable Agriculture and Natural Resource Management Collaborative Research Support System

The SANREM CRSP is made possible by the United States Agency for International Development and the generous support of the American people through Cooperative Agreement No. EPP-A-00-04-00013-00

Office of International Research, Education, and Development, Virginia Tech
Systems Approach

SANREM promotes a systems approach to sustainable development, which is multidisciplinary and addresses interactions at and between field, farm, community/watershed ecosystems, and policy and markets systems levels.

US, host country, and other partners conduct multidisciplinary applied research to develop sustainable and implementable solutions to agricultural and natural resource development problems.
SANREMs Objectives

- Empower smallholders (particularly women)
- Increase agricultural productivity and smallholder income
- Enhance decentralized resource management
- Strengthen local institutions
- Improve market access for smallholders
- Promote sustainable and environmentally sound development
### SANREM Phase III (2004-2009): Partners

<table>
<thead>
<tr>
<th>Category</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Host country universities</td>
<td>13</td>
</tr>
<tr>
<td>Host country research institutes</td>
<td>5</td>
</tr>
<tr>
<td>Host country NGOs</td>
<td>3</td>
</tr>
<tr>
<td>International NGOs</td>
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</tr>
<tr>
<td>Int. Agricultural Research Centers</td>
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<tr>
<td>Private sector partners</td>
<td>1</td>
</tr>
<tr>
<td>U.S. universities</td>
<td>22</td>
</tr>
</tbody>
</table>
Phase III Long-Term Research Awards

1. Virginia Tech (Bolivia, Ecuador)
2. Indiana University* (Bolivia, Mexico, Kenya, Uganda)
3. NCA&T (Indonesia, Philippines, Vietnam)
4. Cornell University (Zambia)
5. University of Missouri (Bolivia, Peru)

$\approx 1.2$ million/award

* Elinor Ostrom, lead PI, received 2009 Nobel Prize in Economics for related work
# Capacity Building
## Degree Training

<table>
<thead>
<tr>
<th>Degree</th>
<th>US &amp; Developed Countries</th>
<th>Host Countries</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Men</td>
<td>Women</td>
<td>Men</td>
</tr>
<tr>
<td>Doctorate</td>
<td>9</td>
<td>11</td>
<td>11</td>
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<tr>
<td>Masters</td>
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<td>6</td>
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<td>Bachelors</td>
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<tr>
<td>TOTAL</td>
<td>14</td>
<td>18</td>
<td>64</td>
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</tbody>
</table>

Cumulative: FY2004-09

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SANREM Phase IV
Oct 2009 – Sept 2014

• 5-year extension
• Focus on conservation agriculture production systems
  – increasing productivity of staple crops for smallholders in food insecure countries
  – enhancing soil quality and ecosystem services.
• Seven 5-year research awards, just starting
• $1.2 to 1.4 million/project
SANREM Phase IV
Long-term Research Awards

• Haiti: Virginia Tech
• Malawi, Mozambique, Lesotho: Univ. of Tennessee
• India, Nepal: University of Hawaii
• Kenya, Uganda: University of Wyoming
• Ghana, Mali: Kansas State University
• Bolivia, Ecuador: Virginia Tech
• Cambodia, Philippines: NC A&T
SANRENM CRSP

Shaping a sustainable future

Creating, organizing, and disseminating knowledge that improves livelihoods through sustainable agriculture and natural resource management

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