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INNOVATION LABS FOR COLLABORATIVE RESEARCH

“Normal science” Extraordinary Results: A look at the Collaborative Research Support Programs (CRSPs)

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Collaborative Research Support Program

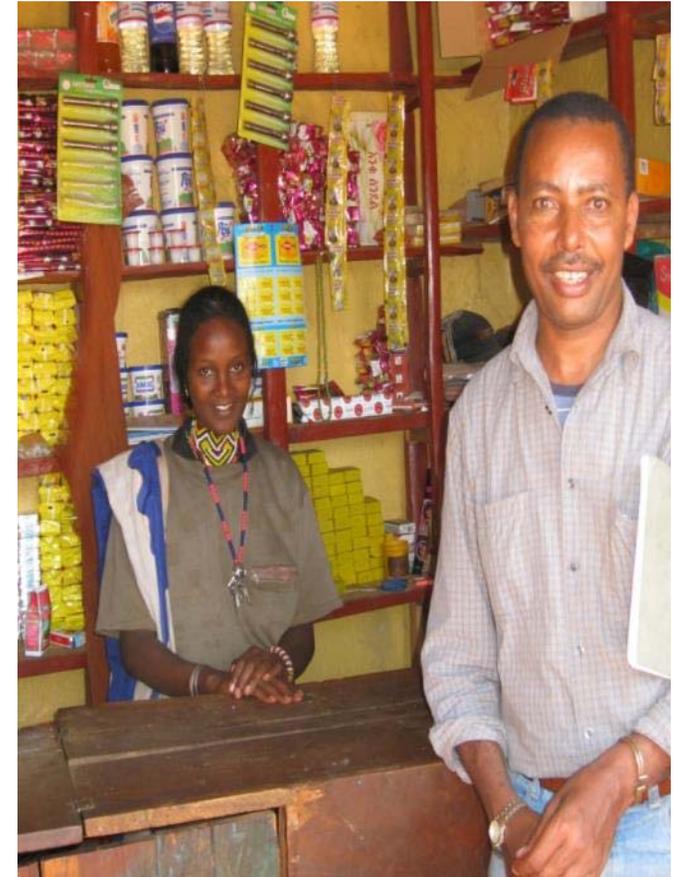
- The CRSPs originated with the Title XII legislation of 1975
- They are consortia, led by U.S. universities, partnering with overseas universities, research institutions, NGOs, and private sector firms
- They seek scientific solutions to developing sustainable agricultural and food systems (including livestock & fisheries)
- They were designed to achieve two goals through research, training, and outreach:
 - To bring the best of U.S. university science to solving hunger and poverty in the developing world, and
 - To benefit U.S. agricultural productivity



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Key Facts

- 24 past CRSPs and Innovation Labs for Collaborative Research since 1978
- 10 current Feed the Future Innovation Labs for Collaborative Research
- 4,324 degrees granted (1978-2014)
 - 50% Masters ♦ 30% Ph.D.s ♦ 20% Bachelors
- Students from 130 countries in 200 institutions (1978-2014)
- 75 U.S. university partners (2012-2014)
- Have worked in all 19 FTF countries since 2008



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Selected Impacts

- **BASIS AMA** works with partners to provide and measure insurance programs for livestock herders (I4 project), helping them to cope with drought and other shocks.
- **INTSORMIL's** germplasm work contributed to **\$680 million** worth of grain production in the U.S. in 2005. In Niger, it has helped increase **sorghum yields to over 2 t/ha**.
- Bagging and closed drum storage developed by **Dry Grain Pulses** stores about **30%** of grains harvests in Benin, Burkina Faso, Cameroon, Mali, Niger, Nigeria, and Senegal.
- **IPM CRSP** released a parasitoid for papaya mealybug mulberry, papaya, and cassava growers in India that increased profits by **\$104 million** in its the first year.
- **Peanut CRSP** research helped to **reverse** a 5-year (18%) decline in consumption of U.S. peanut products, at an estimated value of **\$500 million annually** to the peanut industry.
- **AquaFish** established a training center in Nicaragua that provides producers with **best practices** for handling cockles, helping to increase incomes and improve the food safety.
- **Horticulture CRSP** helped to build a viable market structure for production, processing, and sale of orange sweet potato in Ghana to **increase food security, nutrition, and incomes**.
- **Global Livestock** established a nutrition clinic in Ghana and supported University of Ghana, Legon faculty to develop a nutrition extension course.



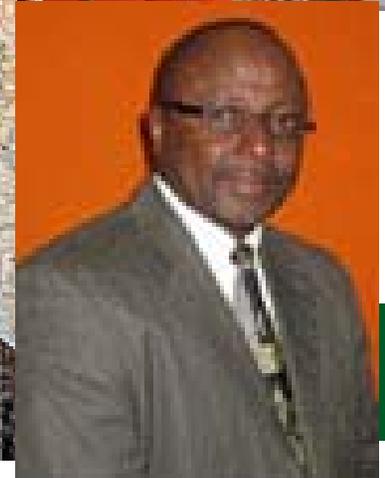
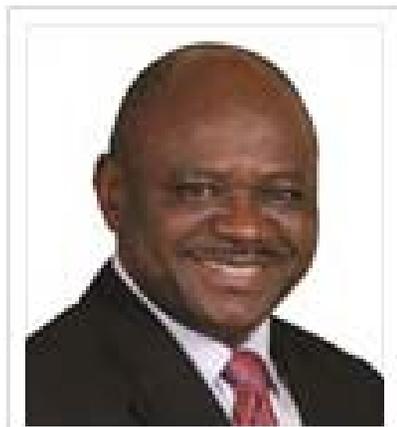
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Ahead of their time

- Collaboration: Building partnerships and global networks in agricultural sciences
- Linking biophysical and social scientists
- Linking agricultural and nutrition
- Using new technologies
- Investigating new topics: gender, sustainable agriculture, NRM, markets



CRSP Grads: Achieving Excellence, Having Influence



Lessons

- Cross-Agency support
- Structure cooperation not conflict
- Create and maintain partnerships
- Flexibility in structure
- Freedom to innovate
- Follow up and outreach
- Funding





Project Activities

- Consolidated Website: *crsps.net*
- Creating and maintaining data bases

- Training and alumni
- Publications
- Photos, Videos, other media
- Activities and locations

- Partners
- Calendar
- Presentations
- Funding levels
- Mailing list

- Outreach and communication

- Events
- Support requests for information by USAID, Universities, APLU, other donors
- Flyers, Newsletter, Publications, Feed the Future Country Profiles
- Thematic reports reviewing the achievements across programs





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