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# Feed the Future Food Security Innovation Center: Linking Research to Accelerate Outcomes for the Field



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Collaborative Research Innovation Labs - Tanzania



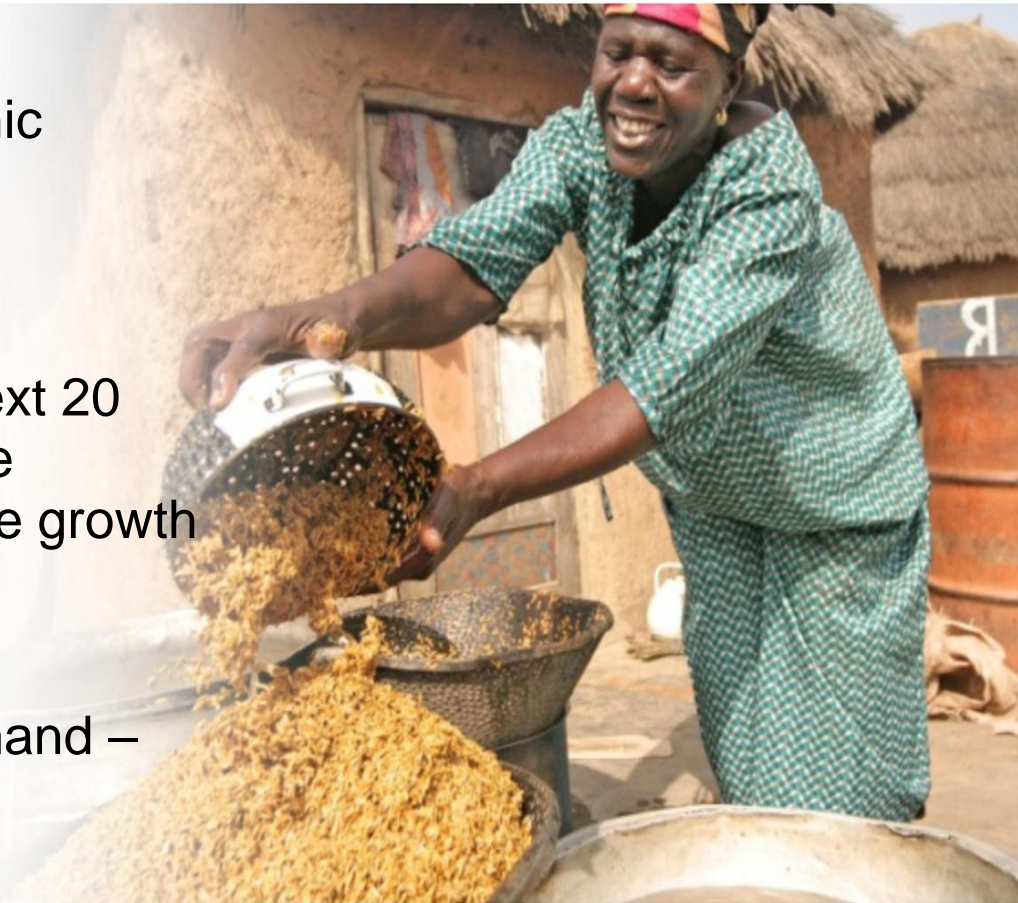
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# The Global Challenge: Achieving Sustainable Food Security

.925 million people suffer from chronic hunger.

.Demand for food is projected to **increase by 50 percent** over the next 20 years. Increased demand will come primarily from population and income growth in middle-income countries.

.Diversified diets increasingly in demand – especially animal source foods.





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## Indicative Assessment of Required Agricultural Postgraduates in Selected Developing Countries

Country	Actual Number of Postgraduates in Developing Countries	Postgraduates needed in developing countries today to match the number in developed countries in the 1960/70s (farm-based)	Postgraduates needed in developing countries today to match the number in developed countries in the 1960/70s (area-based)
<b>Africa</b>			
Uganda	89	1287	264
Burkina Faso	36	669	219
Congo, Dem. Rep	138	3381	488
Ethiopia	205	4598	673
Tanzania	114	2922	858
Zambia	30	393	755
<b>Asia</b>			
India	2083	79998	3877
Cambodia	13	302	114

*Source: Estimates by Suresh Babu and Joachim von Braun, Global Open Food and Agriculture University preparatory papers, IFPRI, 2006. Table reproduced from Asenso-Okyere and von Braun, 2009.*



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## Foreign Assistance Act: Title XII

**Collaborative Research Innovation Labs:**  
Address mutual food security goals with  
developing countries through:

- .Mobilize US universities to improve human & institutional capacity in agricultural sciences
- .Harness US university capacity to solve shared food/nutrition/environmental challenges



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# Collaborative Research Innovation Labs: Core Title XII research & capacity development investments





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## Complementing/Linking Research Investments

### Collaborative Research

- AVRDC & Hort Inn. Lab
- Grain Legumes Innovation Lab, CRP 3.5, New Title XII legumes research

### Geographic Complementarities

- Sorghum & Millet Inn. Lab in Africa, CRP 3.6 Dryland Cereals in South Asia & Africa

### Value chain complementarities

- ICRISAT released varieties, Peanut & Mycotoxin Inn. Lab field evaluation and screening for mycotoxins in Haiti

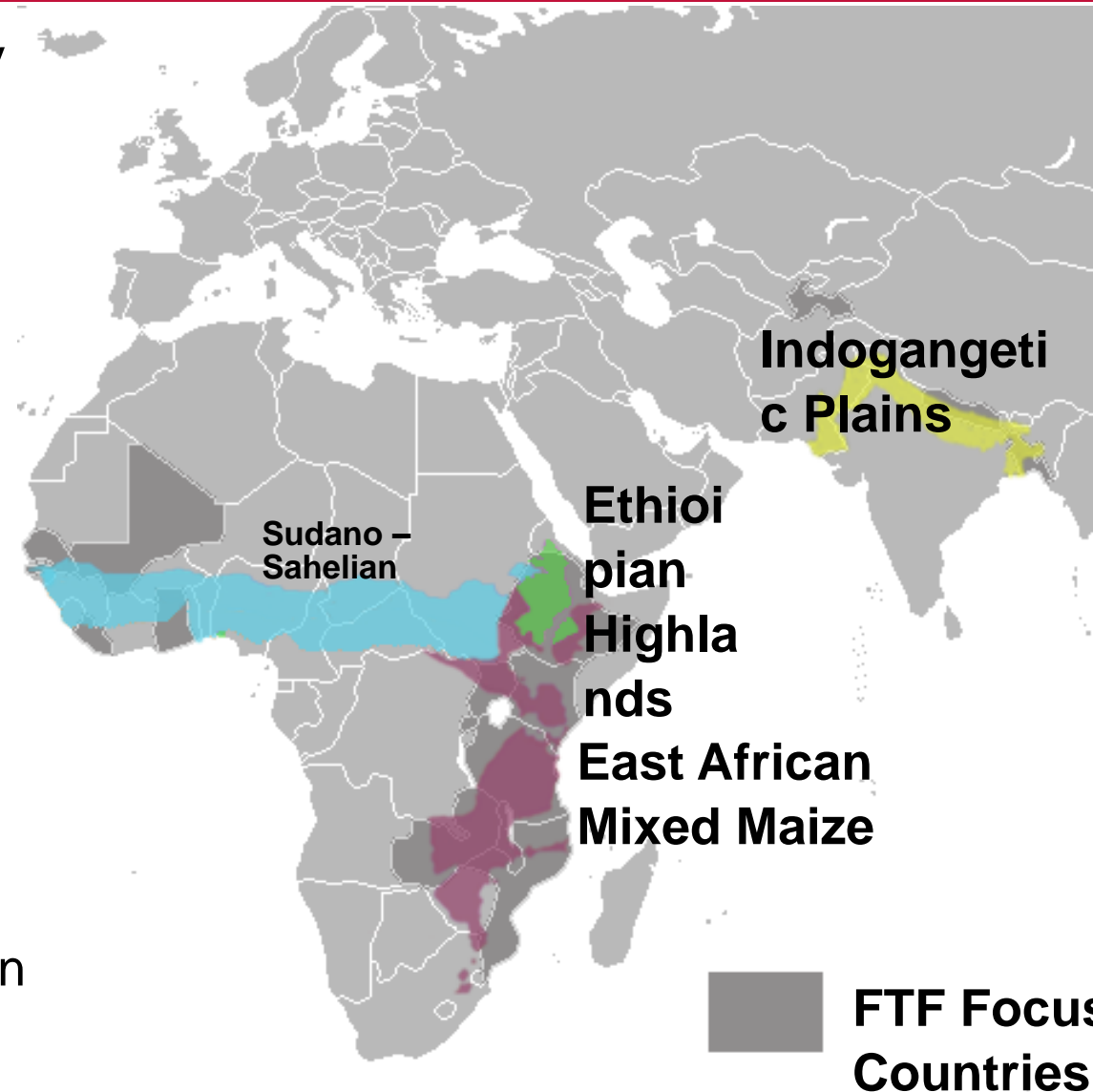




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# Sustainable Intensification

- Integrate global technology with site-specific natural resources, social science, and markets
- Link CGIAR, Inn. Labs, NARS, private sector, universities
- Integrate research with development interventions
  - Rice-Wheat system of South Asia (**CSISA**)
- **Africa RISING**
  - East Africa highlands system
  - Southern & East African maize-based systems
  - West African Sudano-





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# University Collaborations

## Linking CRSP Research to FTF USAID/Mission Priorities

<b>Nutrition CRSP</b>	<b>Operations research to improve Uganda &amp; Nepal Mission programs linking agriculture &amp; nutrition</b>
<b>Sorghum &amp; Millet CRSP</b>	<b>Sorghum variety development, feed processing/animal nutrition research, esp. in Mali and Senegal</b>
<b>Peanut CRSP</b>	<b>Peanut processing reduce/eliminate aflatoxins Peanut value chain development</b>
<b>Assets/Market Access CRSP</b>	<b>Risk reduction, tenure, markets in Kenya</b>
<b>Horticulture CRSP</b>	<b>Production practices, postharvest technology, food safety, and marketing</b>