

AGRISAT WORKSHOP
Brussels 13-15 Oct. 2010



**A USER'S PERSPECTIVE ON
GLOBAL AGRICULTURE
MONITORING**

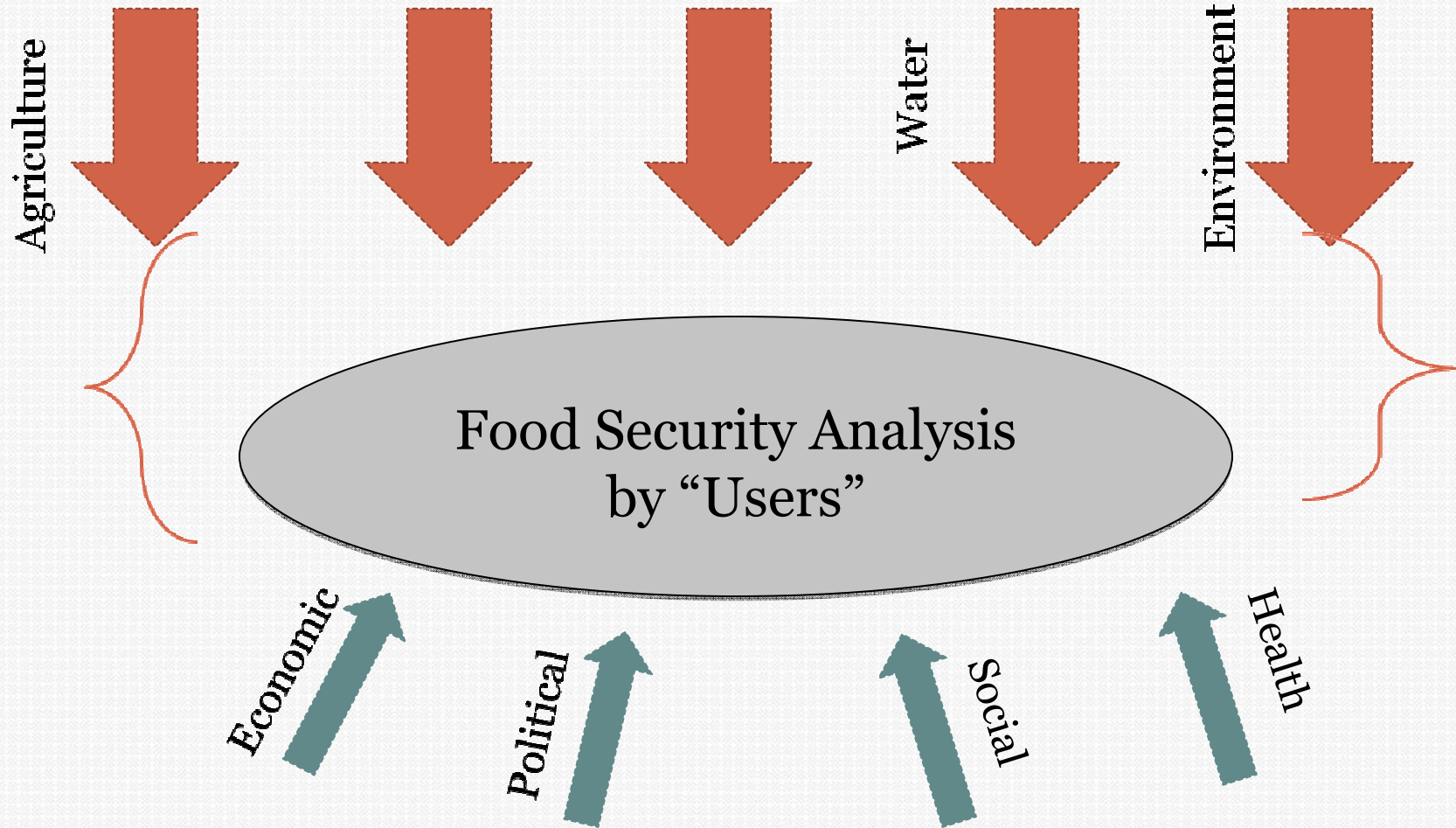
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Main Points



- Progress in linking EO and food security analysis
- EO data: accessibility and usability for F.S. analysis
- Sharpening our understanding of the multiple dimensions of food security
- Examples in the way forward for contributions of EO to food security-related challenges

EO Providers & Users



Great Progress Made over the last 10 Years



- Platforms
- Sensors
- Resolution
- Coverage, etc. **but also:**
 - Access to information, data
 - Interoperability, Collaboration
 - Understanding multiple dimensions of food security

Linking EO to Analysis of Food Security



Ground truthing, calibration, validation, but also work of food security analysts:

- Combining EO with socio-economic, political, conflict information and data
- Analyzing disaster-related (cyclone, floods), complex emergencies (e.g. Somalia) or “opaque” situations (e.g. DPR Korea, insecure Af/Pak border areas)

Information openness = priority, but truly effective if findable, usable

“Zooming in” on Multiple Dimensions of Food Security



- **Global:** geopolitical & world systemic view, in addition to humanitarian, moral and ethical considerations
- **National:** collaboration, technical support, capacity building, emergency operations – political “weight” of information, institutional rivalries, food not infrequently used as an instrument of political control
- Tread carefully, understand time and resources needed to do so

Further Work on EO/Food Security Links



Understanding determinants of food insecurity defines the extent of contribution from EO –
Examples:

- Agricultural Monitoring, other EO and protracted crises
- Ag monitoring and information flows to raise capacity to adapt to effects of climate change (Nepal)
- Collaborative EO and food security-related analysis as inputs into negotiations, conflict management

Conclusion



- Much progress made ---- way forward:
- Linking EO and “ground based” FS analysis requires continued access and interaction
- Will deepen joint understanding of food security issues at **Global** and **National** levels
- Examples: (i) Ag monitoring of protracted or complex crises, (ii) raising capacity to adapt to effects of climate change, (iii) shared information basis for negotiation or conflict management regarding resource use

Thank You



Photo: Mario Zappacosta