



# SYSTEM OF ENVIRONMENTAL- ECONOMIC ACCOUNTING FOR AGRICULTURE, FORESTRY AND FISHERIES (SEEA AFF)

UNSC SIDE-EVENT  
MARCH 2015



# Progress to date

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- Project endorsed by UN Committee of Experts in Environmental-Economic Accounting (UNCEEAA) in 2012 : Commenced in June 2013
- Design of the SEEA AFF accounting framework advanced to cover 10 broad data domains
- SEEA AFF database under development drawing data from other FAO datasets
- Work on SEEA AFF with four countries (Australia, Canada, Guatemala, Indonesia) and seeking to work in an African country
- Expert Group Meeting 7/8 October and discussion at London Group
- Completion of initial global consultation on draft SEEA AFF



# Key elements of SEEA AFF approach

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- Alignment with conceptual framework of SEEA 2012 Central Framework and 2008 System of National Accounts
  - Improve quality of national accounts estimates (espec. GDP)
  - Facilitate & support links to input-output tables and associated models
- Integration of economic and environmental information in monetary and physical terms
- Ambition to improve and integrate national level data
- Cross-sector coverage of agriculture, forestry and fisheries
- Incorporate a “key product” focus



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# Analytical & policy themes

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- Themes covered by current design
  - Activity / product specific inputs (e.g. water, energy, emissions intensity)
  - Food consumption and waste / Food security
  - Biomass extraction and sustainability
  - Cross industry / activity comparison
- Themes that could be covered with some extensions
  - Rural incomes (also links to demographics, gender, health)
  - World trade and global supply chains
- Geo-spatial perspectives

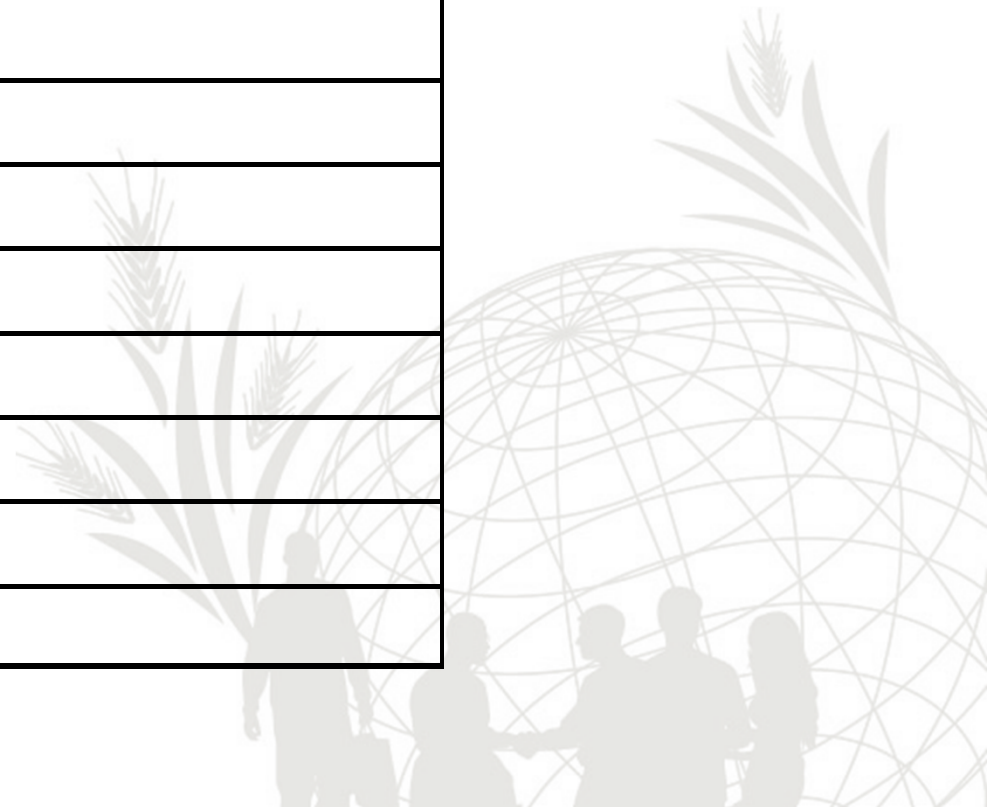


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# Data domains

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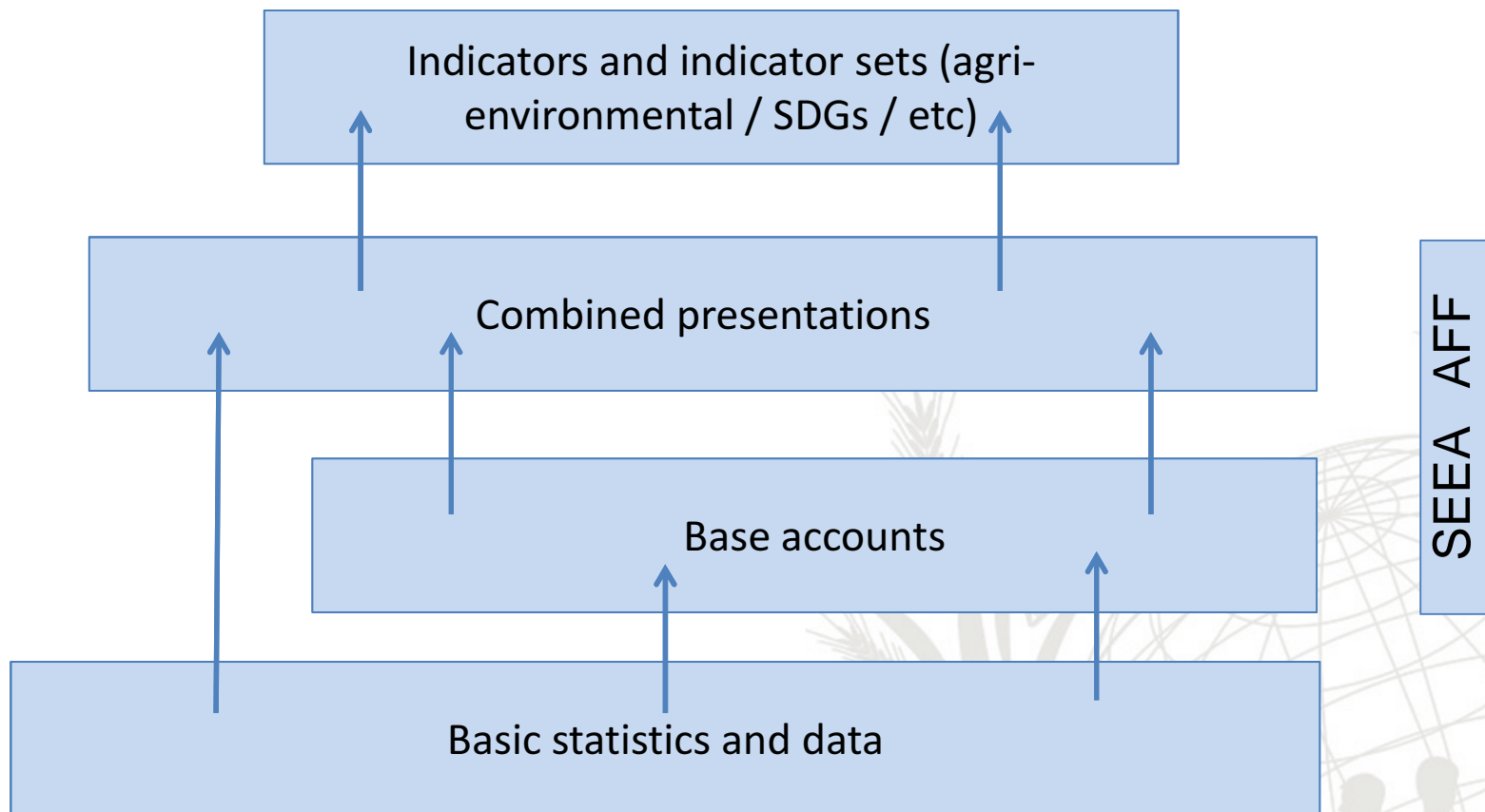
1. Agricultural production
2. Forestry
3. Fisheries
4. Water resources
5. Energy
6 Greenhouse Gas (GHG) emissions
7. Fertilizers and pesticides
8. Land use and land cover
9. Soil resources
10. Economic data



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# Accounting framework

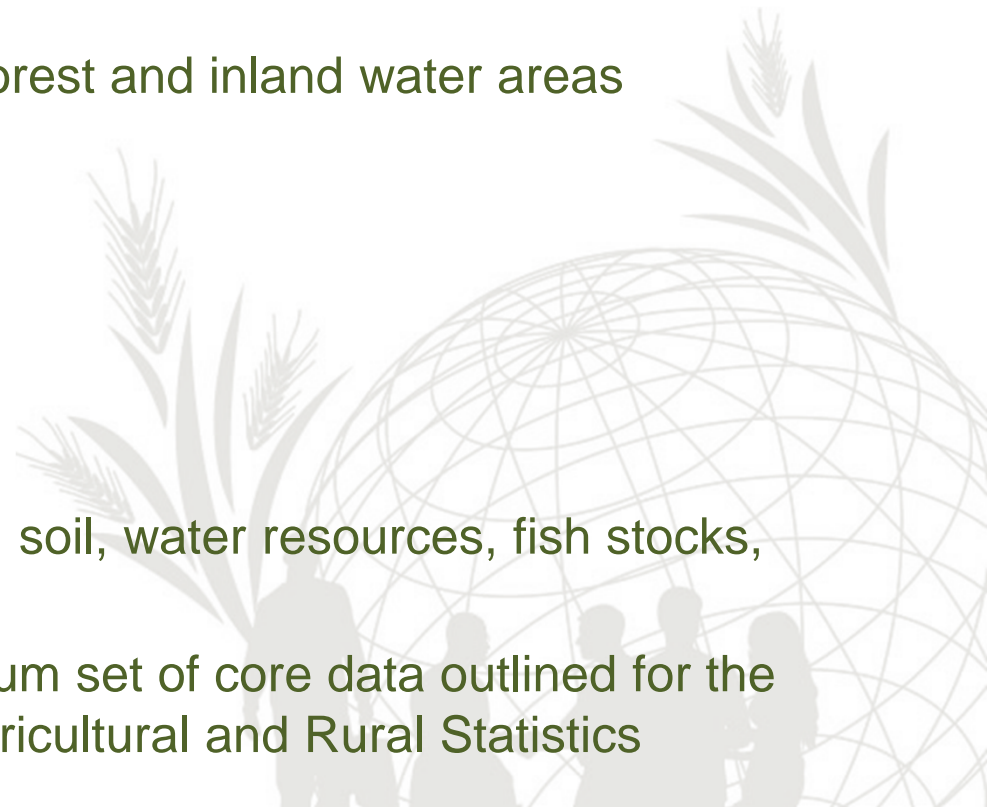
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# Basic data needs

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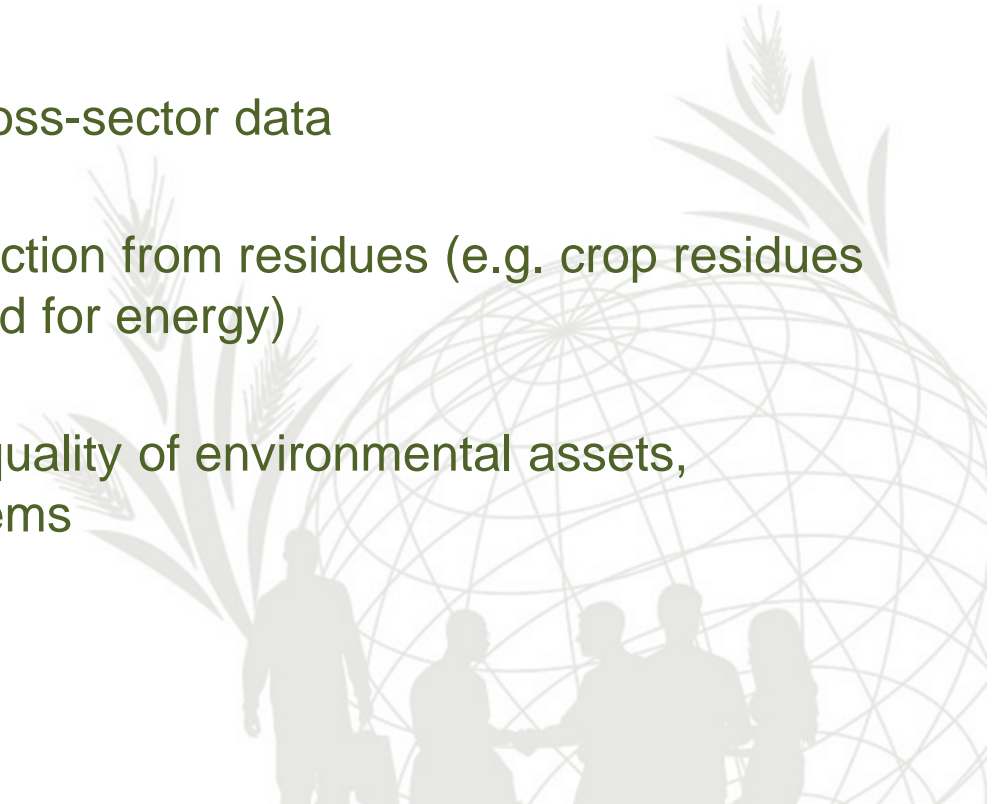
- National accounts aggregate activity data for agriculture, forestry, fisheries (production, value added, trade, employment)
- For key products (e.g. wheat, rice, maize, livestock, timber, fish):
  - Supply and use (production, trade, consumption) in monetary and quantity terms
  - Land use data including forest and inland water areas
  - Irrigated water use
  - Fertiliser use
  - GHG emissions
- Ideally also collect
  - Energy use data
  - Environmental asset data: soil, water resources, fish stocks, livestock
- Note large overlap with Minimum set of core data outlined for the Global Strategy to Improve Agricultural and Rural Statistics



# Technical challenges

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- Obtaining input and residuals data (e.g. water, fertiliser, energy, emissions) for key products
- Alignment in use and application of product classifications across production, income, consumption and environmental information
- Managing gaps/overlaps in cross-sector data
- Treatment of secondary production from residues (e.g. crop residues from harvesting now processed for energy)
- Integrating data on condition/quality of environmental assets, especially soil and water systems





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# Next steps

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- Release revised SEEA AFF (end March)
- Develop and advance strategy on SEEA AFF
  - testing and implementation at country level
  - data co-ordination work within FAO
  - discussion on connections with the Global Strategy to Improve Agricultural and Rural Statistics
  - discussion with other international agencies (incl. UNSD, Eurostat, OECD)
- Finalise development and consultation on SEEA AFF
- Develop connections between SEEA AFF and SDG processes and agri-environmental indicators



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# Questions and discussion

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