

International Conference
GLOBAL IMPLEMENTATION PROGRAMME FOR THE SEEA

TOWARDS IMPLEMENTATION OF SEEA IN AGRICULTURE

VISION AND COMMITMENT BY FAO

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SEEA for Agriculture -- Why needed?

Agriculture (crop and livestock production, fishery and forestry):

- ▣ Main producer of basic population needs
(food, energy, shelter, other raw materials)
 - ▣ Heavily and directly rely on natural resources
 - ▣ Use the same resource, ecosystem
 - ▣ Operate in the same social-economic-framework
 - ▣ Share/compete livelihood opportunities/ resource use/ residuals
- > Important to have an integrated monitoring on sustainability of Agriculture and its natural resource use





SEEA for Agriculture

-- Framework to integrate all agricultural activities

SEEA - Agriculture will link together:

- Activities in all sub-sectors (crop and livestock production, fishery and forestry)
- Production activities, utilization of natural resources (land, water, energy, soil, biological resources) and their sustainability
- Economic (SNA-based data), Natural resource use (SEEA Central framework), food security, livelihood, gender, poverty



- Shared concepts, classification, and data collection framework -- Integration of various surveys and census
- Integrated database and multi-purpose information system



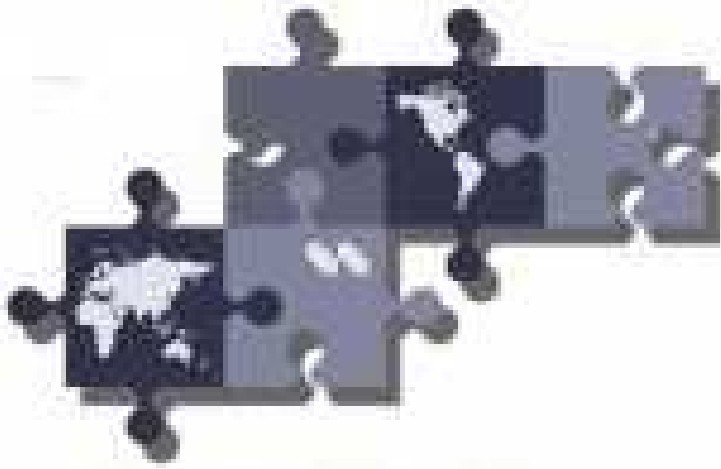
SEEA for Agriculture -- Benefits to policy making

- ▣ Coherence in all information connected:
 - Easy and direct comparison of relative cost and benefits among sectors
 - Improved visibility of inter-relationship among sectors, e.g. competition, shared use, mutual beneficial etc
- ▣ Full spectrum of agriculture issues covered with a common framework:
 - Evaluation of policy impacts on social, environmental and food security aspects in addition to economic aspect, as a whole
 - Easy evaluation of alternative scenarios
 - Clear focus on sustainability
 - Measurement to monitor policy impacts to the agriculture sector
- ▣ Link with non-agricultural sector through SNA and SEEA:
 - Evaluation of agriculture policy impacts in relation to overall national policy and goal



SEEA for Agriculture - development strategy

- Conceptualization:
 - Consultation:
 - Pilot application and feedback:
 - Drafts and final documents
- Revision of land use and irrigation questionnaire
 - Land cover classification (LCCS3)
 - World Census of Agriculture 2020
 - Adjusting SEEA concepts in accordance with agricultural needs
 - Green gas emission account
 - Running water use
 - Handling of non-fresh water and seasonal water bodies
 - Initial integrated brainstorming, start drafting
 - Experimental compilation of SEEA
 - Fishery, aquaculture and water
 - Integrated SEEA compilation on one testing country



SEEA for Agriculture -- Risk and challenge

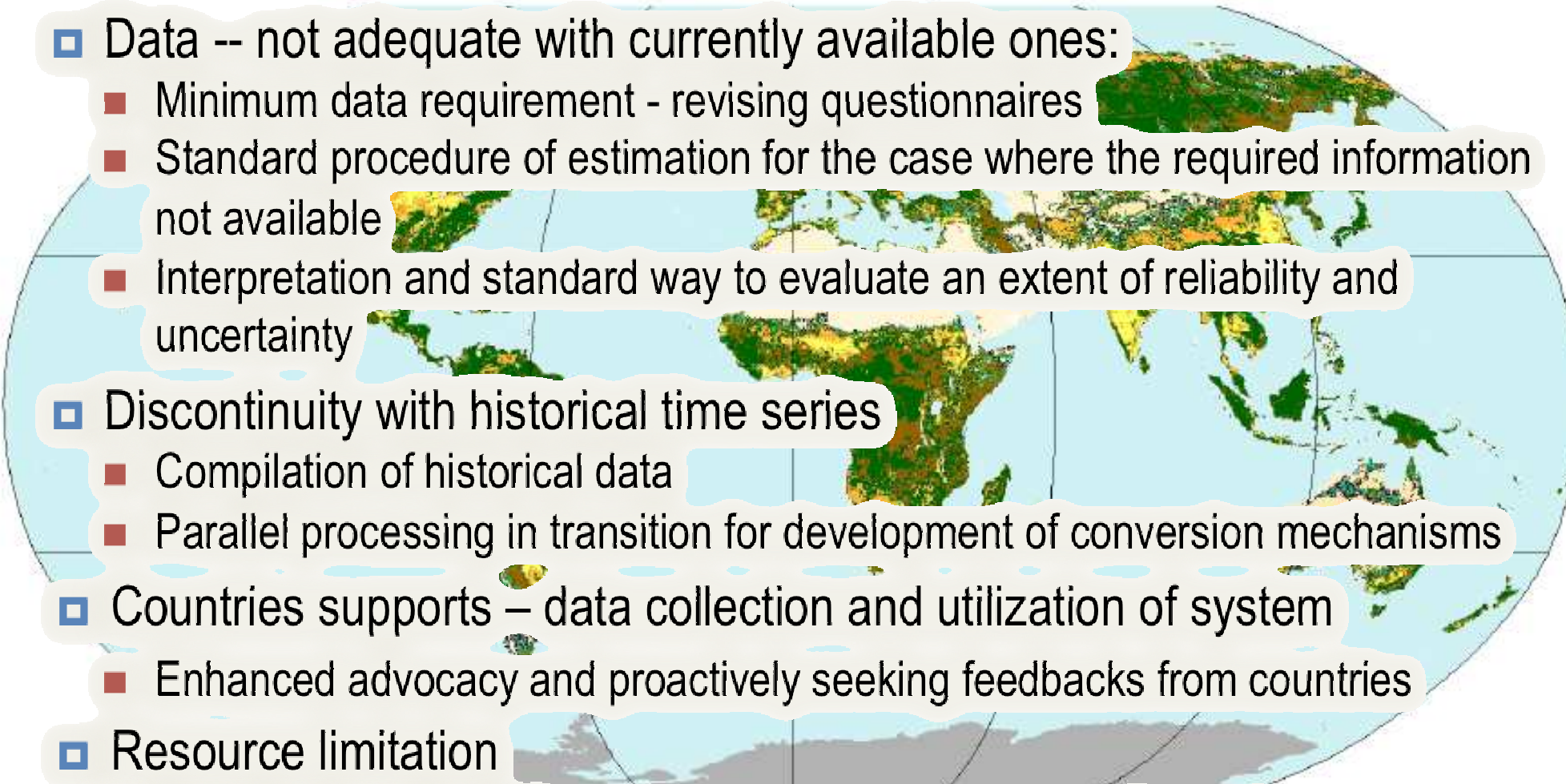
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- A world map showing the distribution of land cover data, with various regions highlighted in different colors (green, yellow, brown) to represent different land cover types. The map is centered on the Atlantic Ocean.
- Data -- not adequate with currently available ones:
 - Minimum data requirement - revising questionnaires
 - Standard procedure of estimation for the case where the required information not available
 - Interpretation and standard way to evaluate an extent of reliability and uncertainty
 - Discontinuity with historical time series
 - Compilation of historical data
 - Parallel processing in transition for development of conversion mechanisms
 - Countries supports – data collection and utilization of system
 - Enhanced advocacy and proactively seeking feedbacks from countries
 - Resource limitation
 - Coordination of activities, regional and sub-regional collaboration

Figure 3 – Distribution of dominant GLC-SHARE Land Cover Database.



SEEA for Agriculture

Queries may be addressed to

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THANK YOU FOR YOUR ATTENTION