



Global Strategy
IMPROVING AG-STATISTICS



IMPROVING METHODOLOGY FOR DATA COLLECTION OF SMALL SCALE FISHERY AND AQUACULTURE



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Monitoring Methodology for Small-scale Fishery and Aquaculture

Identify the frame and methods of data collection

- Holistic -- management data needs and social, economic and food security aspects
- Practical, cost-effective, readily applicable

Activities and achievement so far:

- Initial review and analysis of historical WCA questionnaires
 - Development of overall concept and strategy
 - Coordination and harmonization with WCA team and SEEA-Agri
 - Consultation with possible partners
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Overall concept and strategy (1)

Basic principles and requirements:

- Capacity to obtain holistic view
 - Natural resource (fish and water) management
 - Livelihood and Food security
 - Cash earning and non-monetary
 - Position and relation within a whole community
- Comparability with other sectors' information
 - Pollution, degrading natural environment, diseases, bio-hazards
 - Water access, marketing, job opportunities, traded products
 - Urbanization, tourisms
- Feasibility and sustainability
 - Coherence and continuity with existing systems / historical data
 - No need of big investment to apply
 - Accuracy > Precision; Trends > Absolute number

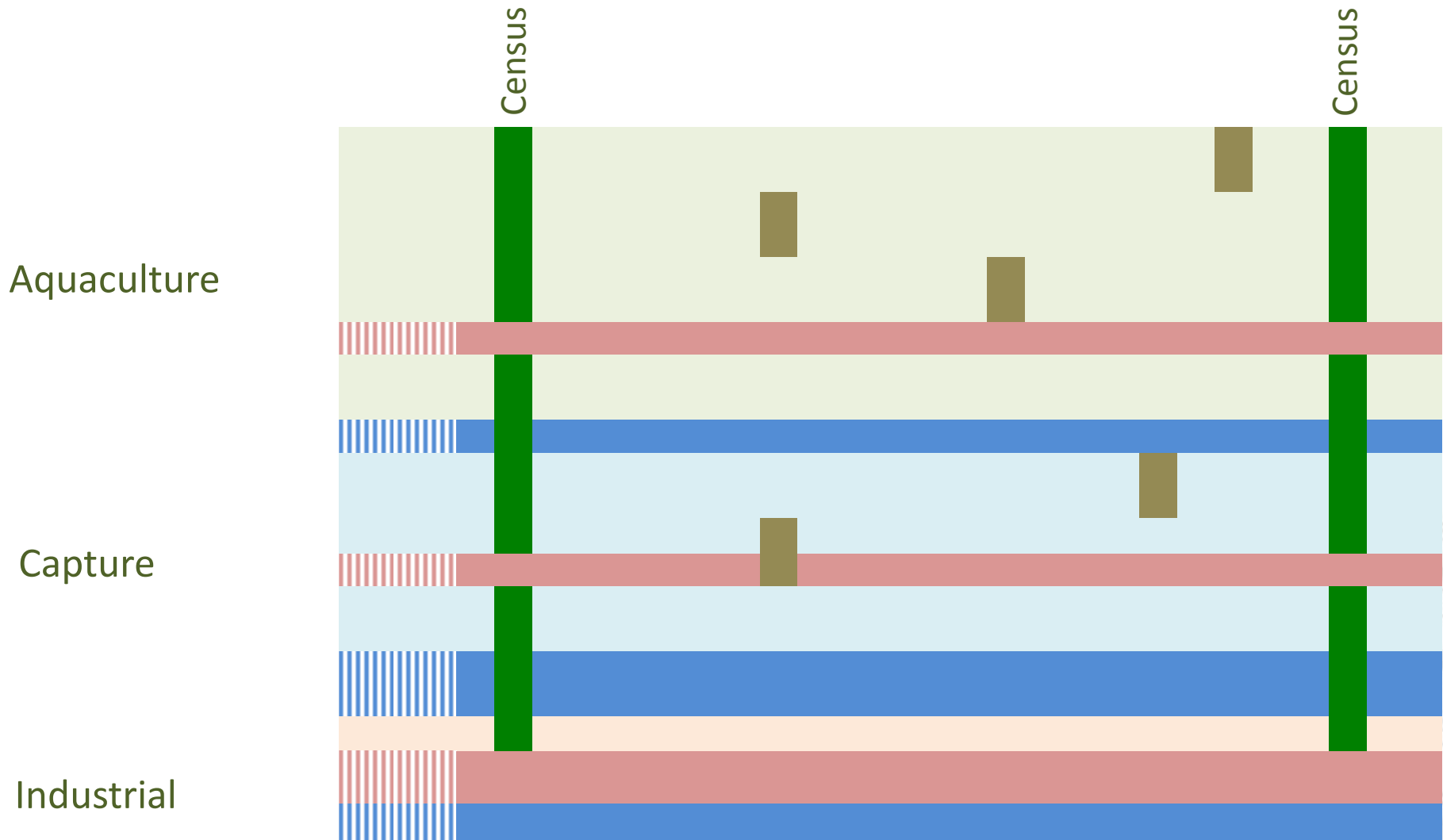
Overall concept and strategy (2)

Overall strategy:

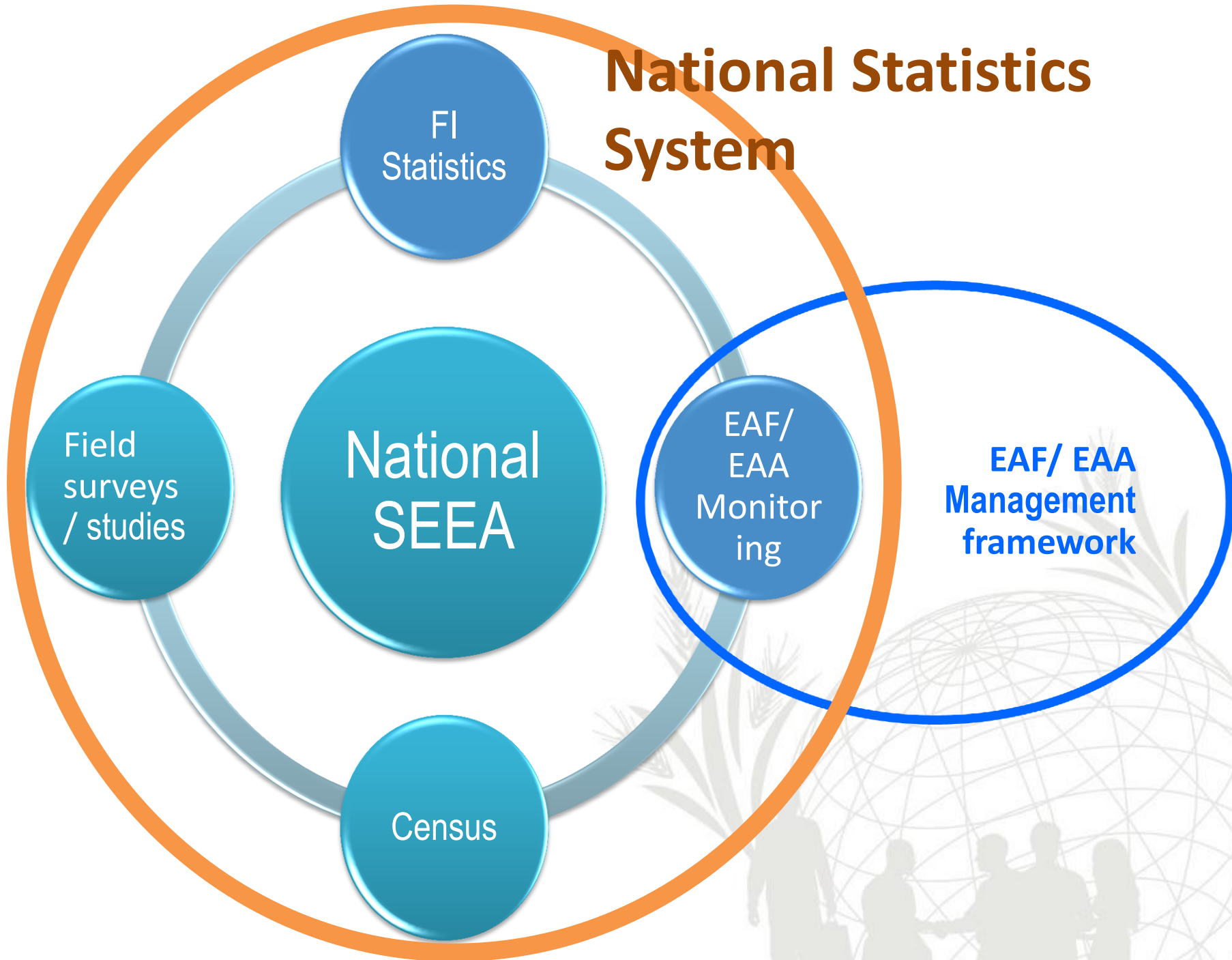
- Core data collection frame based on SEEA and SEEA-Agri
 - Covering most of data needs in fishery and aquaculture -- fish and water resources, social, economic and food security aspects
 - Physical .vs. monetary account > evaluation for non-monetary part
 - Flexibility in adjusting compilation unit and granularity within a frame
 - Simple interpretation
 - Direct link with National Statistical System -- data feed / comparability with other sectors' data
- Full utilization of existing data collection mechanisms to fit in 'Core frame'
 - Adjust to fit in 'core data collection frame'
 - Enable integration of data collected various mechanisms
 - Initial focus on census, regular surveys, management data, field researches



Overall concept and strategy (3)



National Statistics System





Overall concept and strategy (4)

Work plan (for the rest of 2013):

1. Development of a core data collection frame in accordance with SEEA and SEEA-Agri;
2. Development of compilation guidance and questionnaires for census survey modules and regular data collection both for capture fisheries and aquaculture;
3. Transforming EAF/EAA indicators related tools in a comparative format with the core data collection framework; and
4. Developing a template to be used by field researches and case studies for ad-hoc data collection



Review of historical WCA questionnaire

- 84 countries questionnaire examined – 56 with question on aquaculture engagement

Points for improvements in WCA-2020:

- Guidance to decide which supplemental surveys needed
- Collect information for individual, not for household – keep age and gender details
- Collect data on engagement level
- Separate ‘fishing’ and ‘aquaculture’

Coordination and collaboration

- SEEA-Agri
 - Adjustment of water body use classifications
 - Compilation guidance of aquatic resource asset table with available data
- WCA team
 - Aquaculture and capture engagement – main part
 - Ownership/ access right to water bodies – community
 - Fishery module and revised aquaculture module
- TBTI Project (Memorial University, Canada)
 - Partnership – use of field study template
- EAF/EAA team
 - general agreement to develop standard data collection and indicator template



THANK YOU

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