INTEGRATED DATA COLLECTION FRAMEWORK IN LINE WITH SEEA CONCEPT -- FISHERIES

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Introduction

Basic conditions/ assumption:
- Holistic and integrated data needs for sector management: environmental, social, economic and food security aspects – match with the scope of SEEA
- Low prospect of additional investment to improved data collection

Status of fishery data availability:
- Large scale marine > Small scale marine > Inland/aquaculture
- Production > Food security > Social/ economic
- Weak link with other sectors
  - Lack of data – poor basis of management – low priority given
  - Under-representation >> marginalizing / ignoring the sector
Proposed solution – common data integration framework

Core data frame:
- Common conceptual framework
  - to share common concepts
  - to enable data integration of multiple survey data
- Follow general concepts of SEEA
  - to enable integration into other national statistical systems

Survey modules:
- Link with the core data frame – structural data, e.g. engagement/ administrative data
- Follow common conceptual framework of core data frame
- Define data contents, level of details grains according to the needs of individual survey
Overall structure:

- National SEEA
  - Administrative data
  - Field surveys/studies
  - Census
  - EAF/EAA Monitoring

- EAF/EAA Management framework

- National Statistics System
Core data frame

Targeted information
- Natural resource (fish and water) management
- Livelihood and Food security
- Cash earning and non-monetary
- Position and relation within a whole community
- Monitoring throughout whole product chain
- Subsidies, taxes

Comparability with other sectors' information
- Pollution, degrading natural environment, diseases, bio-hazards
- Water access, marketing, job opportunities, traded products
- Urbanization, tourisms
Possible survey modules

- Questionnaires to be used for actual surveys
- Key link data + survey targets data

Census surveys:
• One-time nation-wide snapshot
• Full picture including small scales, subsistent, secondary engagements
• Act as a scale for inter spatial/ inter components imputations

Regular surveys/ fishery management:
• Continuous regular observations of time trend at selected spots
• Detailed information more focused on commercial activities
• Act as a scale for time trend of productivities, economic

Administrative/ License data:
• Time trend in structural data of controlled components
• Act as a scale for time trend of structural data

Field surveys/ case studies:
• Ad-hoc spot data for imputation adjustments
**Coverage of different surveys**

Aquaculture

Capture

Industrial

Administrative data

Fishery surveys/ managements

One-time snapshot
Link into Core data frame - principles

When measurements available:
- Whenever measurements available, utilize actual measurement
- When multiple measurements available;
  regular > census > ad-hoc for productivities,
  census > administrative > regular > ad-hoc for structural data

For imputation:
- Pro-rata interpolation
- Direct imputation > imputation with productivities * structures
- When multiple information available;
  Administrative / census > ad-hoc
Plan toward implementation

1. Development of a core data collection frame in accordance with SEEA and SEEA-Agri – End of 2013;
2. Draft guidance and questionnaires for census survey modules for capture fishery and aquaculture – March, 2014;
3. Compilation SEEA – Fish with existing data for major countries – mid - 2014
4. Draft guidance and standard questionnaires for regular data collection both for capture fisheries and aquaculture – End of 2014;
5. Transforming EAF/EAA indicators related tools in a comparative format with the core data collection framework – End of 2014;
6. Developing a template to be used by field researches and case studies for ad-hoc data collection – End of 2014;
7. Initiate experimental implementation in 2014/ 2015
London Group is invited to

- Comment on the proposed approach;
- Advise on possible interest to experiment the approach at regional, national or sub-national levels
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Thank you for your attention

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