

1. OPENING OF THE MEETING

Monday 1st July - 9.00

| <i>Time</i> | <i>Item</i> | <i>Topic and duration</i> | <i>Who</i> | <i>Content</i> | <i>Document</i> |
|-------------|-------------|-------------------------------------|--------------|--|-----------------|
| 9.00 | 1.1 | Arrival of participants 30 mins | | | None |
| 9.30 | 1.2 | Welcome address 10 mins | Garcia | Meeting Context - Objectives - Expected outcomes | None |
| | 1.3 | Logistics 5 mins | Taconet | | None |
| | 1.4 | Procedural aspects 5 mins | Taconet | | None |
| | 1.5 | Round table presentation 30 mins | Participants | Introduction and expectations of participants | 5 |

Coffee break

2. REQUIREMENTS AND CONCEPTUAL DESIGN

Monday 1st July morning - 11.00

| <i>Time</i> | | <i>Topic and duration</i> | <i>Who</i> | <i>Content</i> | <i>Document</i> |
|---------------------|-----|---|------------|--|-----------------------|
| REQUIREMENTS | | | | | |
| 11.00 | 2.1 | The international context 15 mins - 10 mins discussion | Grainger | The requirements of interest to FIRMS evolving from international consultations (ACFR, FAO strategy for Fisheries Status and Trends), in particular : - why stock inventory - why and how monitoring small scale fisheries - what are requirements that are quality related | 6 |
| | 2.2 | The FIGIS system : main design principles 15 mins - 10 mins discussion | Taconet | FIRMS as a sub-system of FIGIS. The general guidelines driving the FIGIS design (integration, ownership, streamlining, improved quality, single entry point,...) are illustrated. | FIGIS Brochure |
| | 2.3 | The draft FIRMS partnership agreement 15 mins - 10 mins discussion | D. Evans | Why is a partnership agreement needed; and what is the partnership framework | Presentation and 8 |

duration 1h40 mins (end of Monday morning)

Monday 1st July afternoon - 14.30

| Time | | Topic and duration | Who | Content | Document |
|-------------|-----|--|--------------------------------|--|-----------------|
| 14.30 | 2.4 | THE STOCKS AND RESOURCES INVENTORY | | The inventory, related standards (conceptual level), feedback, and further development | |
| | 2.5 | Proposed strategy for the implementation of Stocks and Fisheries inventory 15 mins - 10 mins discussion | Taconet | How to develop a consistent database, i.e. containing stocks or fisheries units: - responding to quality assurance criteria : sustainability; timeliness; peer review. - serving the purpose of a monitoring system, i.e. revealing the discrepancy between monitored/managed (sizeable – manageable entities) and known to exist. - reference to typology of units : regularly monitored – episodically – academically defined | 7 |
| | 2.6 | Partners review of the FIGIS stocks inventory 90 mins | Core partners' representatives | FAO - SPC – NAFO – ICCAT – ICES – GFCM – CECAF – IOTC – IATTC – DFO – NMFS representatives make a critical review of the inventory developed under their ownership. Validation of the design – possible oversights, or issues to be taken care of. | None |
| | 2.7 | Extending the stocks inventory 60 mins | Newcomers' representatives | Representatives of institutions not having been involved in the FIGIS development to date present needs, sources and approaches applicable in their region, both for the inventory at regional and national level. These presentations should provide elements of a strategy to further extend the inventory. | None |

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|--|-----|---|-----------|--|---|
| | 2.8 | PROPOSED DEFINITIONS AND CONCEPTUAL DESIGN | | | |
| | | Stock and Resource concepts 10 mins | Bensch | Ref. to the FI glossary Stocks and Resources definitions, and their interpretation into a system concept. | 9 |
| | | Species classification 5 mins | Gentiloni | | |
| | | Area classification 5 mins | Berthier | | |
| | | Stock structure 10 mins | Bensch | | |
| | | Stock typologies 10 mins | Bensch | A way to develop a controlled inventory responding the needs of FIRMS | |
| | | Associated quality assurance scheme 10 mins | Taconet | The conditions prevailing for the creation a stock object are set by the FIRMS partnership. They are centred around the ownership concept. | |

200 mins = 3h10 = end of Monday 1st July

Annotated agenda_final1.doc

Tuesday 2nd July morning - 9.00

| Time | | Topic and duration | Who | Content | Document |
|-------------|------|--|---------------------------|--|-----------------|
| 9.00 | 2.10 | The Fisheries inventory 25 mins | Taconet | Requirements behind the need for a fisheries inventory, and issues to be addressed in order to proceed with a fisheries inventory: diversity of definitions; diversity of perspectives (biologists; economists; managers) ; number of defining criteria. Illustrations given of the diversity of perspectives. | 10, 10a, 10b |
| | | 30 mins | debate | Broadening the perspective: definitions, sources and approaches applicable in participants' regions. | None |
| | 2.12 | Towards realistic approaches to a resources, stocks and fisheries standardised inventory. 90 mins | break out session | WG1a and 1b : Stocks and Resources inventory WG1c and 1d : Fisheries inventory - finding consensus on main criteria and approaches applicable for a Fisheries inventory - Setting-up the elements of a plan of action applicable in the different regions | |
| | 2.13 | 30 mins | break-out session reports | | |

180 mins = 3 h. = end of Tuesday morning

Tuesday 2nd July afternoon - 14.00

| Time | | Topic and duration | Who | Content | Document |
|-------------|------|---|------------|--|-----------------|
| 14.00 | 2.15 | Documenting stocks and Fisheries : the application of standard topics, classifications and terms. | | This section discusses the Documenting of inventoried resources objects. | None |
| | 2.16 | Introduction | Taconet | | |
| | 2.17 | Critical review of case studies, by data owners. 80 mins | | FAO - SPC – NAFO – ICCAT – ICES – GFCM – CECAF – IATTC – NMFS the critical review should provide arguments for the validation / amendment of the design, and the need for agreed terminologies | None |
| | 2.18 | Other comments. 30 mins | | | |
| | 2.19 | Proposed harmonised information structure and needs for standards. 15 mins | Taconet | The presentation based on a hierarchical diagram, lays emphasis on : - topics looking similar which need to be differentiated - fields which may need to be standardised Reference is made to definitions proposed for topics | None |

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| | 2.20 | Review of structure, definitions, and required reference data 60 mins | break-out session | WG2a – Exploitation, assessment, indicators and Status and trends WG 2b – Stock Profiles WG2c – Fisheries Management WG 2d – Socio-economic topics to review the proposed definitions and structure, and indicate minimum input requirements, and the need for agreed terminologies, possible sources and approaches for development. | |
| | 2.21 | Documenting stocks and Fisheries in FIRMS : the management of updated information 15 mins | Roux | - Why different observations on a same object - What possible issues with the management of observations - Which quality assurance rules are suggested - layout : dissemination options | 11 |
| | 2.22 | 30 mins | debate or break-out | strive to answer a number of questions : which information management rules should be proposed as FIRMS information management policy ? | |

330 mins = 3h50 mins = end of Tuesday evening

3. DEVELOPMENT OF STANDARDS

Wednesday 3rd July morning : 9.000-

| <i>time</i> | | <i>Topic and duration</i> | <i>Who</i> | <i>What and message to deliver</i> | <i>Document</i> |
|-------------|-----|---|------------|---|-----------------|
| 9.00 | 3.1 | Introduction 5mins | Taconet | Scope behind the wording "Standards" (Metadata, thesauruses and classifications, terms definitions), and what is at stake in the case of FIRMS. | |
| | 3.2 | International standards | | | |
| | 3.3 | MetaData standards (dc, ags) 20 mins + 15 mins discussion | Salokhe | - what is meant by Metadata, why Dublin Core (dc) and Agricultural Standards (ags) are important international initiatives, and what are their expected benefits - what is XML | 12 |
| | 3.4 | Introducing thesauri and vocabularies 15 mins + 15 mins discussion | Fisseha | - Thesauruses and taxonomies are the second component for standards - there are different ways of organising vocabularies references. | 13 |
| | 3.5 | FIGIS Metadata proposal 15 mins + 15 mins discussion | Jaques | - FIGIS is proposing standard for fisheries data exchange consistent with international Meta data standards. This metadata proposal responds to needs expressed by partners, it is application oriented. Its properties are presented | 14 |

95 mins - coffee break

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|-------|------|--|-----------------------------|--|----------|
| 11.00 | 3.6 | Ensuring data exchange workflows | | | Document |
| | 3.7 | Introducing opportunities | M. Taconet | The FIGIS Metadata proposal should be seen as a unique opportunity (because it's probably unique for fisheries data worldwide) to consolidate a standards base line | |
| | 3.8 | Needs and issues through a few flashes 15 mins (5 mins each) | Taconet Berthier Roux | On thesauruses and classifications, the situation is different : there is full recognition of their existence at local level - illustrations of the type of needs, benefits, and issues met with the exchange and integration of data prepared using thesauruses from different sources - introduces the need and problems of mapping local standards against international ones | 15 |
| | 3.9 | Methods and approaches to ensure data exchange workflows 90mins | break-out session | WG3a and 3b Further development of metadata standards (validation/amendment/additions to proposed metadata standards) – subject specialists WG3c Further development of interoperability between existing non-spatial standards, thesauri, classifications – information specialists WG3d Spatial concepts and definitions in the development of reference systems – thesauri, classifications, coding, grids, etc) – GIS and information specialists <i>WGs should highlight the issues to be addressed with the mapping of thesauruses, and propose various approaches – tools – methods.</i> | |
| | 3.10 | proposed solutions | optional agenda item | there are various tools and methodologies under development for the mapping of thesauruses - Reference table management system - Glossary - FiStatXML - FIGIS'ML – GIS - Ontologies | 16a, 16b |

Wednesday 3rd July afternoon : 14.00

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| 14.00 | 3.11 | Developing agreed standards | | The aim is to agree on the organisation required for the progressive consolidation and dissemination of FIGIS-FIRMS standards. The session will be introduced referring to existing approaches | 17 |
| | 3.12 | The ags experience 15 mins | Gauri/ Keizer | - organisation set-up by GIL for ags proposals | 17a |
| | 3.13 | The CWP experience 15 mins | Crispoldi - Garibaldi | - role of Coordinating Working Party (CWP) on fishery statistics in maintaining standards | 17b |
| | 3.14 | The FIGIS experience 15 mins | Roux – Gauri - Jaques | - needs and issues to share a single set of Metadata in FIGIS internal group - the need to set-up a maintenance policy : broad guidelines | 17c,18 |
| | 3.15 | Participant experiences 15 mins | | | None |

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| | 3.16 | Organisation applicable in the case of FIGIS-FIRMS 75 mins | break-out session | WGs to be decided (annotated agenda will be updated) | |
| | 3.17 | 45 mins | Reports of break-out sessions | | |

280 mins - end of Wednesday afternoon

4. MAINTENANCE OF FIRMS INFORMATION

Thursday 4th July morning : 9.00

| <i>time</i> | | <i>Topic and duration</i> | <i>Who</i> | <i>What and message to deliver</i> | <i>Document</i> |
|-------------|-----|--|---|--|-----------------|
| 9.00 | 4.1 | Maintenance of FIGIS-FIRMS information : | | This is the critical aspect to be addressed for system sustainability. Different approaches are envisioned to respond a range of requirements. | |
| | 4.2 | Overall architecture, workflow steps and tools 15 mins + 5 mins disc. | Roux | Introducing the overall picture: how the architecture and the various workflow steps and tools are answers to a set of requirements. | 19a, 19b |
| | 4.3 | word to XML convert 10 mins + 5 mins disc. xml editing and preview 10 mins + 5 mins disc. upload – on line editing 10 mins + 5 mins disc. | Servan/ Aubert Gentiloni Roux | Basic demonstration should provide participants insights to the type of technology involved. | |
| | 4.4 | Refining maintenance requirements 60 mins | break-out sessions | WGs to be decided (annotated agenda will be updated) | |
| | 4.5 | 30 mins | report of break-out sessions | | |

180 mins = 3h00 = end of Thursday morning

5. WORKPLANS AND REPORT ADOPTION

Thursday 4th July afternoon : 14.00

| <i>time</i> | | <i>Topic and duration</i> | <i>Who</i> | <i>What and message to deliver</i> |
|-------------|-----|--|------------------------------|--|
| 14.00 | 5.1 | Contributing to FIRMS : Workplans | | Previous steps should have given the assets to the participants for actively contributing in the development of a workplan |
| | 5.2 | 90 mins | break-out session | WGs to be decided (annotated agenda will be updated) |
| | 5.3 | 90 mins | report of break-out sessions | |

180 mins = 3h00 = end of Thursday afternoon

Friday 5th July morning : 9.00

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| 9.00 | 5.4 | Meeting Report writing Friday morning | | |
| | 5.5 | Small working groups to be established on demand Friday morning | | Presentation of specific tools having been discussed or briefly presented during the previous sessions, on demand |

3h00 = end of Friday morning

6. Review and Adoption of meeting report

Friday 5th July afternoon : 14.00

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| 14.00 | 5.6 | Review and adoption of the meeting report 90 mins | | |
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2h00 = end of Friday afternoon