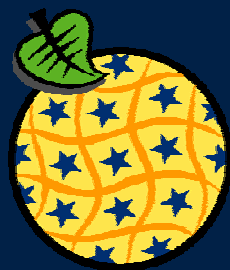


# INSPIRE Drafting Team Monitoring and Reporting Status

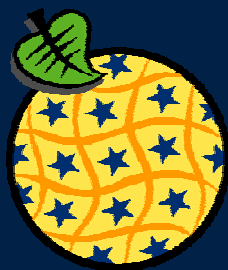
INSPIRE Expert Group meeting – 20<sup>th</sup> June 2006

Marie-Louise ZAMBON



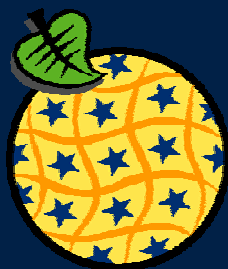
# Contents

- Scope - Work programme
- Organisation (members) – Meetings
- Work progress :
  1. Reference material analysis
  2. Methodology
  3. Directive analysis
  4. Monitoring indicators (draft)
- Planning
- Open issues



# Scope

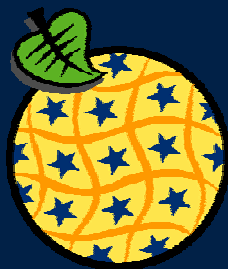
- Policy implementation: focus on the evolution of the implementation of the Directive
  - Continuous monitoring of implementation progress by Member States and use (Commission and public)
  - Three yearly report by Member States to the Commission
    - Coordination, contribution, quality assurance, use of the SDI (cross border effects), progress data-sharing, costs/benefits
  - Reporting by the Commission to the Parliament / the Council, every six years, with proposals for action, when necessary



Recital 32 and Article 21

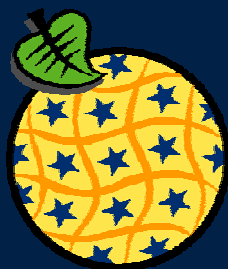
# Work Programme

- **Objective**
  - Implementing Rules for reporting and monitoring by 2007.
- **3 deliverables**
  - Monitoring indicators
  - Implementing rules for monitoring
  - Implementing rules for reporting



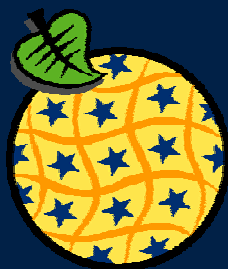
# Organisation

- Core Team
  - Ute DAUERT Germany
  - Pedro R. MURO-MEDRANO Spain
  - Danny VANDENBROUCKE – Vice chair Belgium
  - Marie-Louise ZAMBON – Chair France
  - Since May 2006 : Mark PROBERT United Kingdom*
  - Till 2005 : Przemyslaw GRUSZECKI - Poland*
  
- Support Team
  - Nathalie DELATTRE Belgium
  - Dimitri DELLO BUONO Italy
  - Daniela FLOREA UK/Romania
  - Marja TAMMILEHTO-LUODE Finland
  - Dirk VANDERSTIGHELEN Belgium
  - Never : Barbara ALBINIAK – Poland / Maico CENTIS – Italy*
  
- Commission
  - Hans DUFOURMONT DG ESTAT
  - Daniele RIZZI DG ESTAT
  - Eva PAUKNEROVA DG JRC



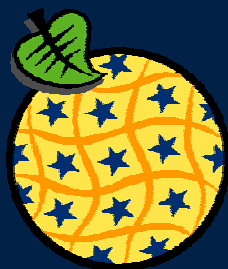
# Meetings

- 3 meetings
  - 4 October 2005 (Kick-off meeting – Ispra)
  - 30 and 31 January 2006 (Paris)
  - 15 and 16 May 2006 (Paris)
- 5 conference calls
  - 9 and 23 March 2006
  - 30 May 2006
  - 6 and 13 June 2006
- 1 workshop
  - 19 April 2006 with MORE association (9<sup>th</sup> AGILE Conference – Budapest)



# First step : Analysis of reference material

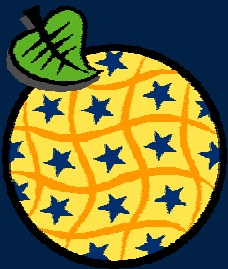
- From October 2005 to January 2006:
  - Nearly 20 documents (Classified: Useful/less relevant)
    - State of Play – European Commission (2003, 2004, 2005)
    - Methodologies :
      - Lithuanian SDI monitoring (Feasibility study – Development of Lithuanian geographic information structure - 2004)
      - Cadre théorique pour l'évaluation des infrastructures d'information géospatiale - Ph.D - Orlando RODRIGUEZ-PABON, 2005 - Québec
      - Implementation of performance indicators in IGN-F in 2004-2005 (result based management – French 2001 financial law)
- After:
  - Open to useful documents available through members of the Drafting Team



# Second step : Methodology

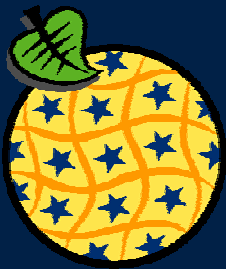
## 1-Guidelines for defining indicators

- What are the main goals of the Directive?
- Who will use the indicators?
  - The Commission
  - Member States
  - Citizens / Business
- Characteristics of indicators
  - Clear and understood by all the MS
  - Measurements (no prediction)
  - Measurements of main goals of the Directive (find a balance between global / too detailed indicators)
  - Useful for EC and MS
  - “Easy” to provide (cost of indicators / usefulness of information)



## Second step : Methodology 2-Tools

- What automatic tools can be used?
  - Web counters
  - On-line questionnaires
- Provide templates for report
- Framework for the description of an indicator at the Member States level (clear description)



Open issue : Who will provide tools?

- European level (INSPIRE geo-portal)?
- National level?

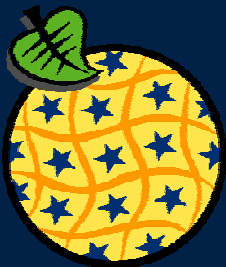
# Third step : Analysis of the Directive

- What are the requirements of INSPIRE?
  - What is the goal?
  - List of questions
- For each chapter
  - Chapter II Metadata
  - Chapter III Interoperability of spatial data sets and services
  - Chapter IV Network services
  - Chapter V Data-sharing
  - Chapter VI Coordination and complementary measures



## Fourth step : First draft of indicators

- Organisation according to topics of the Directive:
  - Spatial Data Sets
  - Metadata
  - Network service
  - Data-sharing
  - Other indicators (for reporting)

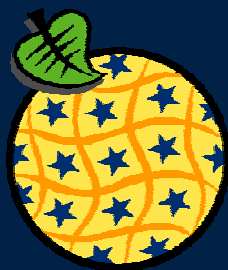


### Difficulties:

- Measure results defined by other DTs
- Need to clarify terms used

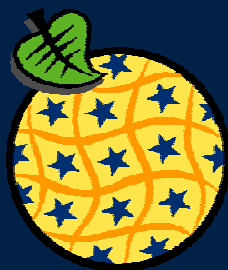
# Spatial Data Sets indicators

- Objective :  
*Providing harmonised spatial data sets*
- Draft indicators :
  - Availability of Spatial Datasets (Status)
    - Do data sets exist for each theme of annex I, II, III? geographic extension (percentage of territory)
  - Harmonisation of Spatial Datasets (according IR from DT Specifications)
    - Have you check the consistency of the data sets with your neighbouring countries (topology) ?
    - Have you check the consistency of the data sets with INSPIRE specifications (logical and semantic) ?
  - Up-to-date Spatial Datasets
- Open issue : what about ...
  - Quality – Scale/resolution – Update strategy ...



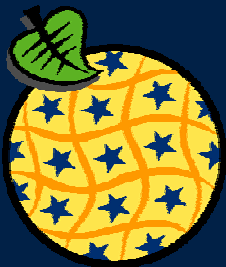
# MetaData indicators

- Objective :  
*Garanteeing metadata available, complete and up-to-date*
- Draft indicators :
  - Availability of Metadata of Spatial Datasets (Status)
    - Does metadata exist for each dataset of the themes in annex I, II, III ?
  - Availability of Metadata of Services (*Status*)
  - Compliance of Metadata of Spatial Datasets (*acc IR from DT Metadata*)
    - Is metadata conform to the requirements in the directive (article 5)
  - Up-to-date Metadata of Spatial Datasets
    - Is Metadata consistent with data ?



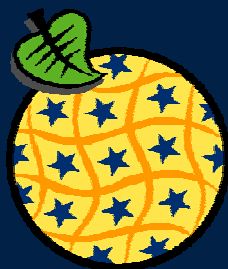
# Network services indicators

- Objective :  
*Providing easy-to-use and available interoperable services*
- Draft indicators :
  - Availability of Services (*Status for each type of service?*)
  - Accessibility of Metadata of Spatial Datasets and Services
  - Performance of Services
  - Use of Services (for Reporting?)
  - Interoperability of Services (*? – acc IR from DT Services*)



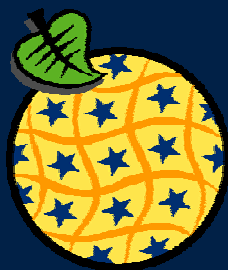
# Data-sharing indicators

- Objective :  
*Enabling data-sharing between public authorities for environment purposes*
- Draft indicators :
  - Accessibility (who can use data sets)
    - Number of public authorities (International/ European/ National/ Regional/ Local) with arrangements (agreements, laws, ...) to access data sets (annexes I, II, III)
  - Usability
    - What can be done with data sets?
    - For free or with fees?
  - Other?
    - Automated information from Metadata : restriction of use (security), constraints (legal conditions)



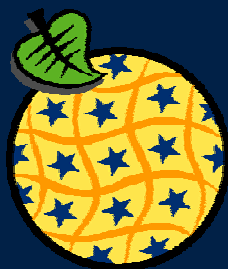
## Other indicators

- To be defined according reporting needs (article 21) :
  - Indicators on coordination
  - Automated information (linked with Network services) : use
  - Other information : costs / benefits



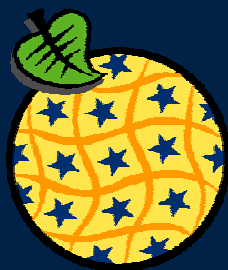
# Planning

- Monitoring indicators
  - June 2006 => Septembre 2006 : discussion with other DTs and CT
- Implementation rules for Monitoring and Reporting
  - First draft : October 2006
- Link with State of Play activities
  - State of Play will be updated in 2006
  - Methodology will be adapted (closer to the DT MR work)



# Open issues

- Timing issue
  - Fix now indicators for ten years?
  - Fix targets before IR of the other DTs are defined?
  - Monitoring “on a permanent basis”
    - European level: Every quarter, every semester, other?
    - Within MS: other periodicity?
  - Beginning of monitoring
- Tools for automated indicators
  - To be developed after the adoption of IR for MS
  - European level? National level?
- Indicators
  - Useful for EC and acceptable by MS?



Thank you

