

# Implementing INSPIRE in MALTA

## A Legally Mandated Body (LMO) perspective

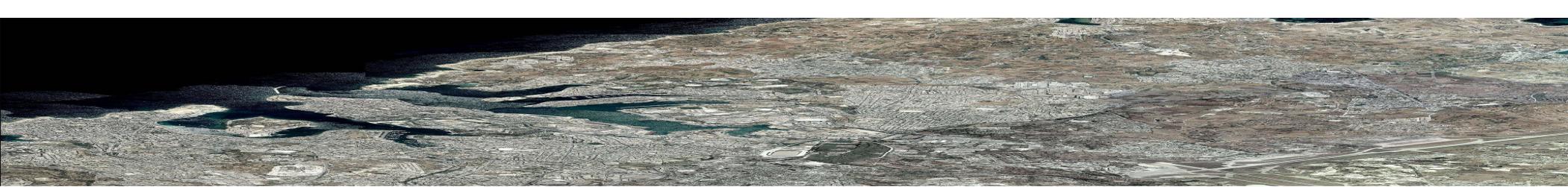
Antoine Zahra – Saviour Formosa  
Malta Environment & Planning Authority

INSPIRE Yourself Conference  
Westin Hotel – St Julians  
4<sup>th</sup> October 2007



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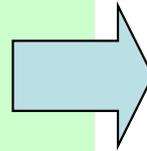
# Why INSPIRE

## Environmental Needs

- Better information needed to support policies
- Improvement of existing information flows
- Revision of approach to reporting and monitoring, moving to concept of sharing of information

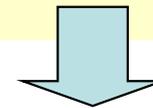
## Environmental data

90% is linked to geography

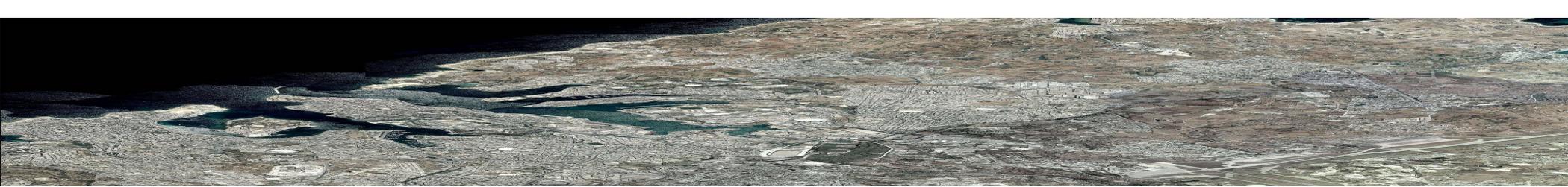


## Situation

- Lack of co-ordination across borders and between levels of government
- Lack of standards incompatible information and information systems
- Existing data not re-usable fragmentation of information, redundancy, inability to integrate



INSPIRE



# Why INSPIRE in MALTA

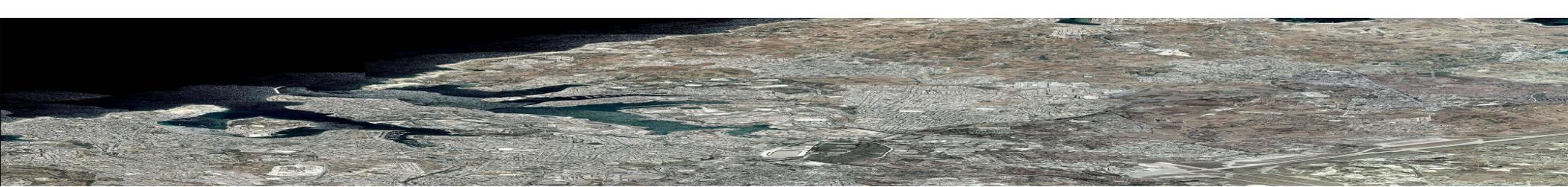
- EU Directive which has TO BE transposed
- BUT it will help us synergise past and current Maltese efforts in the GI and information fields
- Implement a wider NSDI effort
- To provide effective and efficient results
- Players involved:

MEPA

Public/Private Organisations and Initiatives

Academic

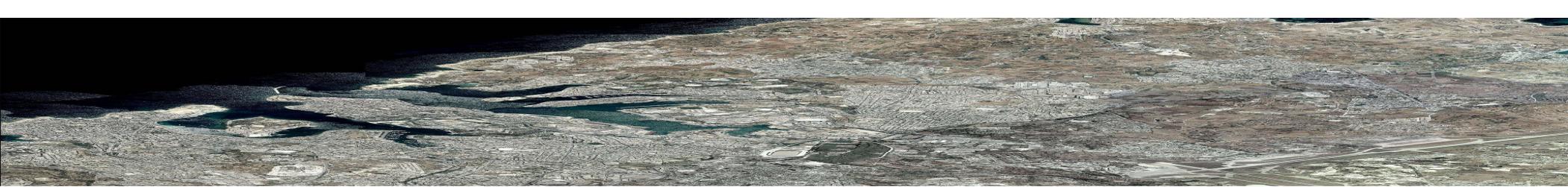




## Directive implementation

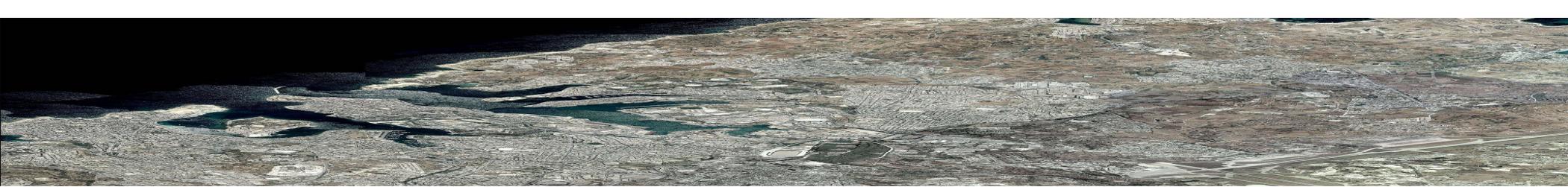
- Preparatory phase (2004-2006)
  - Co-decision procedure
  - Preparation of Implementing Rules 2005 – 2008
- Transposition phase (2007-2008)
  - 15 May 2007: Directive entered into force
  - Transposition into national legislation
  - Adoption of Implementation Rules
- Implementation phase (2009-2013)
  - implementation and monitoring of measures





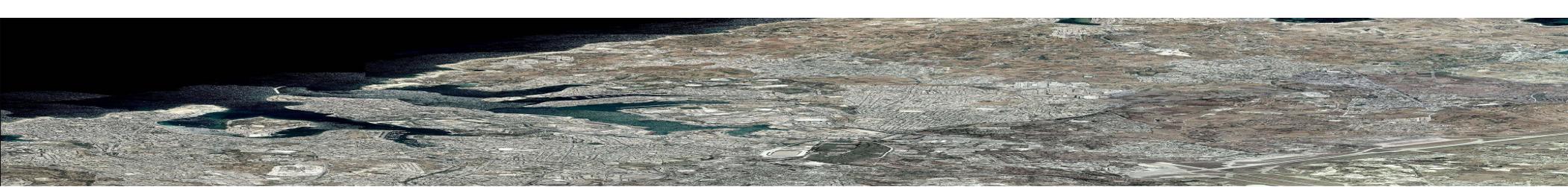
# Implementing INSPIRE

- Need to consider the broader context of existing national and international initiatives, practices, and standards
- Open participatory approach through Spatial Data Interest Communities (SDICs) and Legally Mandated Organisations (LMOs)
- SDICs bring together the human expertise of **users**, **producers** and **transformers** of spatial information, technical competence, financial resources and policies. SDICs are organised by region, thematic issue or sector (industry)
- LMOs are Organisations at local, regional or international level that have a formal legal mandate giving them the responsibility for specific thematic data resources



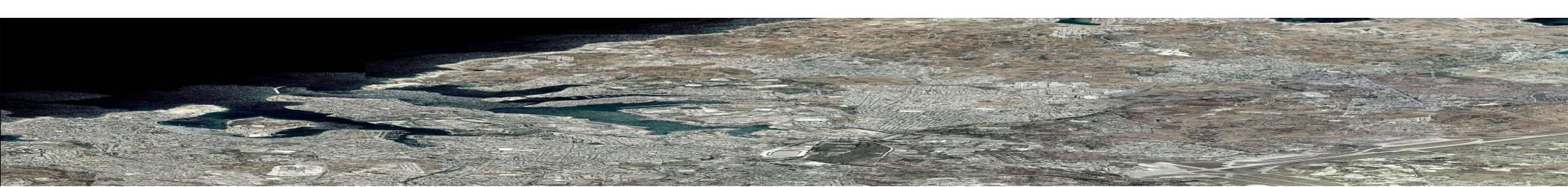
# The Role of Legally Mandated Organisations (LMO)

- To contribute to the analysis of the **technical and operational feasibility** of implementation of proposed draft Implementing Rules
- To provide feedback on the **cost/benefit** consequences of Implementing Rules at Member State level
- To help identify user needs and prepare them for change
- To collaborate within the SDICs, or autonomously in providing technical specifications



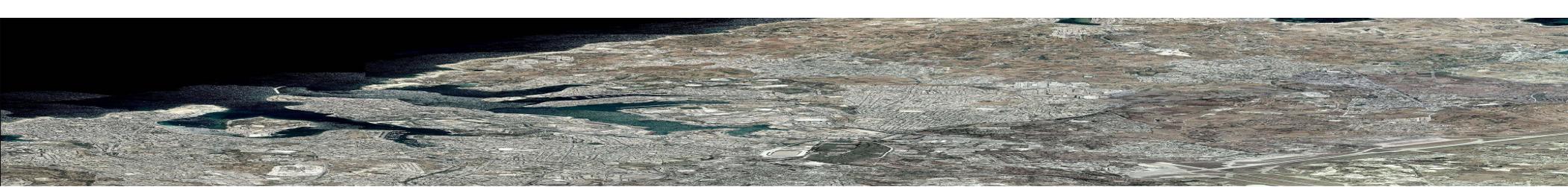
# MEPA as a Legally Mandated Organisation

- Register project(s) to test/revise/develop the draft Implementing Rules
- Participate in the review process
- Implement pilot projects
- Facilitate collaboration
- Be kept informed



## What has LMO done

- Participated in the drafting stage
- Set up an internal working group to monitor the INSPIRE process comprising, Environmental and Corporate Structures
- The main LMO WG roles follow INSPIRE IR requirements
  - i) Metadata
  - ii) Data Specifications
  - iii) Network Services
  - iv) Data and Service Sharing
  - v) Monitoring and Reporting
- Currently evaluating transposition status and reviewing INSPIRE documentation



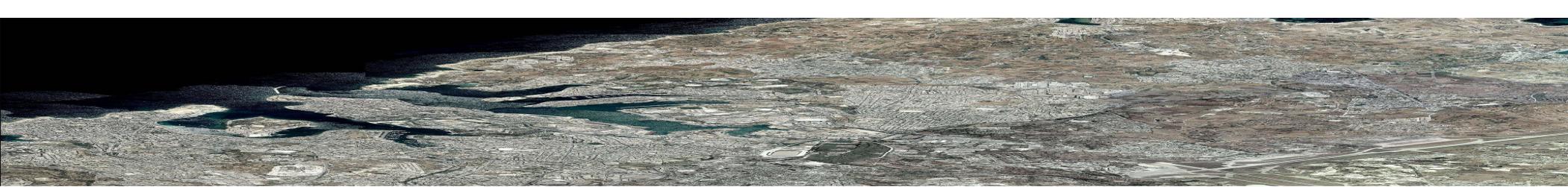
## projects, pilots and prototypes

- Develop representative use-case scenarios
- Develop / test specifications for IR development
- Demonstrate the feasibility and advantages of interoperability-based solutions
- Acquire experience
- Determine cost and benefit of interoperability based solutions
- Some Projects Undertaken

MEPA e Applications – eGovernment

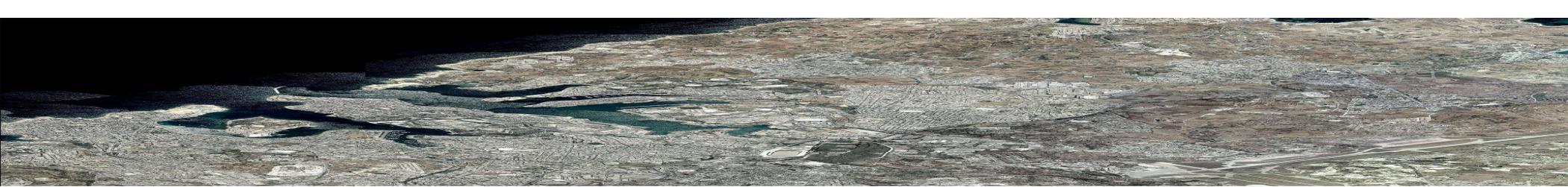
CORINNE Land Cover

OzoneWeb



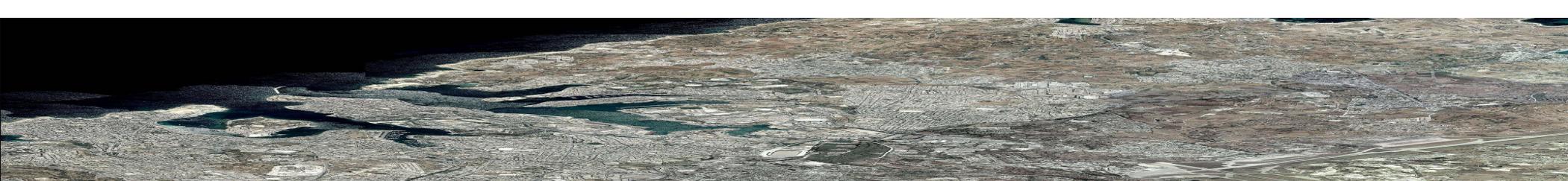
# The Future

- Implementation of transposition process
- Widening scope of LMO with SDICs
- Setting up a nationwide network of stakeholders similar to EIONET process employed with EEA
- Linking process with other major initiatives such as Aarhus, Structural Funds projects and other partnerships



## Crunch time...

- Transpose legislation
- Propose and implement a number of projects
- A series of Annexes which need to be implemented



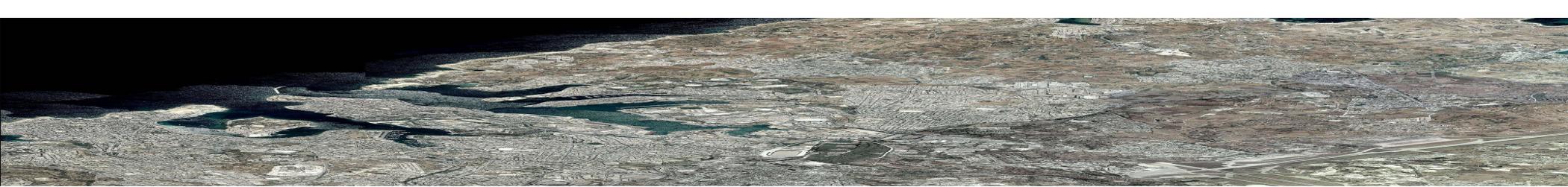
# INSPIRE Spatial Data Scope

## Annex I

1. Coordinate reference systems - MEPA
2. Geographical grid systems - MEPA
3. Geographical names - MEPA
4. Administrative units – NSO, MEPA
5. Addresses – collaborative exercise
6. Cadastral parcels – collaborative exercise
7. Transport networks – collaborative exercise
8. Hydrography - collaborative exercise
9. Protected sites - MEPA

## Annex II

1. Elevation - MEPA
2. Land cover - MEPA
3. Ortho-imagery - MEPA
4. Geology - collaborative exercise

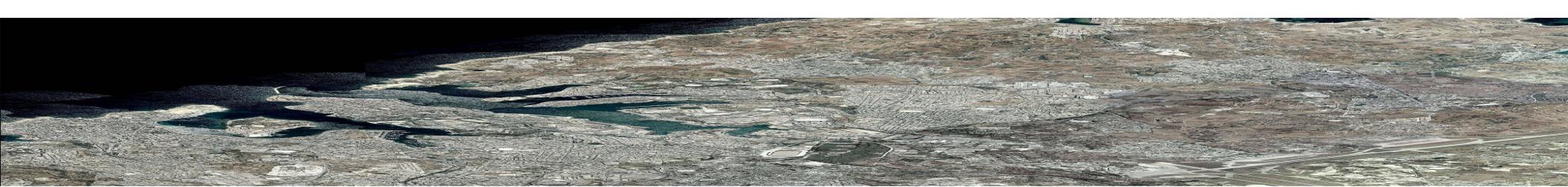


# INSPIRE Thematic Scope

## Annex III

- |  |   |
|--|---|
| <ol style="list-style-type: none"><li>1. Statistical units</li><li>2. Buildings</li><li>3. Soil</li><li>4. Land use</li><li>5. Human health and safety</li><li>6. Utility and governmental services</li><li>7. Environmental monitoring facilities</li><li>8. Production and industrial facilities</li><li>9. Agricultural and aquaculture facilities</li><li>10. Population distribution – demography</li></ol> | <ol style="list-style-type: none"><li>11. Area management/restriction /regulation zones &amp; reporting units</li><li>12. Natural risk zones</li><li>13. Atmospheric conditions</li><li>14. Meteorological geographical features</li><li>15. Oceanographic geographical features</li><li>16. Sea regions</li><li>17. Bio-geographical regions</li><li>18. Habitats and biotopes</li><li>19. Species distribution</li><li>20. Energy Resources</li><li>21. Mineral resources</li></ol> |
|--|---|

Annex III requires LMO input however must be undertaken through collaboration with other national entities

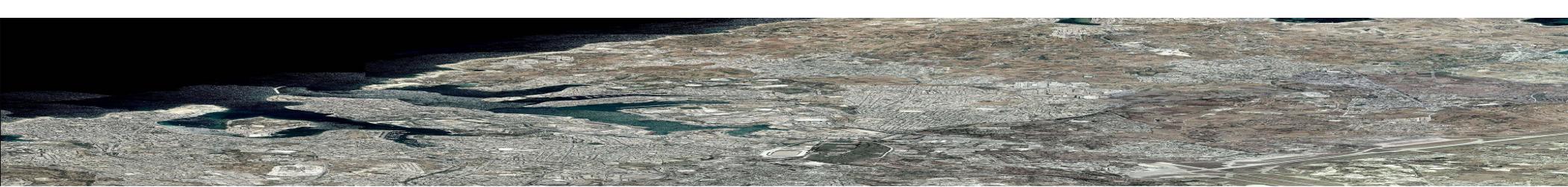


Thank you for your attention



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