



Inspire Conference 2016, Barcelona

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Inspire and GEOSS



Inspire and GEOSS

Topics today:

- Understanding GEOSS
- GEOSS and Inspire from a legal (environment) perspective
 - Lessons learned
 - The Future



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ABOUT GEOSS I:

GEOSS (Global Earth Observation System of Systems)

GEOSS = Set of systems that interact and provide access for public and private sectors in the field of Earth observation mainly.

GEOSS AIMS TO

- FOSTER EARTH MONITORING by sharing environmental data obtained by countries and organizations.
- ENSURES DATA ACCESS, quality and provenance, and interoperable to support the development of tools and the delivery of information services.



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ABOUT GEOSS II:

GEOSS is formed by more than 100 Governments and Int Organizations

GEOSS UNDERSTANDS

- DATA AS A PUBLIC GOOD
- COLLABORATION BETWEEN INDIVIDUALS, GOVERNMENTS AND INSTITUTIONS IS CRUCIAL



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ABOUT GEOSS III:

GEOSS EFFORTS REGARDING ENVIRONMENT AND MARINE ECOSYSTEMS ARE NOT ENOUGH

ACTION MUST BE TAKEN FROM

- LEGAL
- TECHNICAL
- INSTITUTIONAL PERSPECTIVE



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GEOSS / INSPIRE (LEGAL)

1) ANNEX SECTION OF THE INSPIRE DIRECTIVE REFERS TO SPATIAL DATA INFRASTRUCTURE RELATED TO

- MARINE (ANNEX I.8) Hydrographic elements, including marine areas
- OCEANIC AREAS (ANNEX III.15 TO 18): for example: Oceanographic geographical features Physical conditions of oceans (currents, salinity, wave heights, etc.),

2) DIRECTIVE: LACK OF REFERENCE TO CONSUMERS



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- 1. Lesson(s) learned on the use of data/information from heterogeneous sources
 - Marine environment applications shall be implemented along all areas
 - *The standard for “minimum time delay”*
- 2. Lesson(s) learned on the user needs for sharing of data/information:
 - FREE, COMPLETE AND OPENED EO DATA SHARING
- 3. Lesson(s) learned on the user needs for INSPIRE compliance and the benefits of INSPIRE:
 - CONSUMER PROTECTION
 - BETTER ENVIRONMENT PROTECTION TOWARDS NEW TYPES OF ONLINE CONTRACTS



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- 4. Solution(s)/recommendation(s) on how to integrate Copernicus data/information in existing business/working processes:
 - RECITAL 8 /ARTICLE 1 e) 377/2014 COPERNICUS REGULATION STATES: Copernicus should be considered as a European contribution to building the Global Earth Observation System of Systems initiative (GEOSS) developed within the framework of the Group on Earth Observations (GEO).
 - Former Myocean/Current Copernicus Marine Environment Monitoring Service (CMEMS) from space to user orientated applications / using computer tech.
- 5. How can/could the solution presented today be possibly applied in a completely different sector?

Applying satellite data and technology to prevent Sixth Large Extinction: Species Marine Mammals. Univ Stanford Dr Payne.



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THE FUTURE?

GEO Strategic Plan 2016-2025: Implementing GEOSS Reference Document

GEOSS legal form? 36th Executive Committee – 8-9 March 2016

GEO does not have independent legal personality

GEO Secretariat is currently integrated into and hosted by the World Meteorological Organisation (WMO) in Geneva.

Options: (1) GEO as independent intergovernmental organisation under international law; (2) GEO independent legal personality under Swiss law; (3) provide GEO independent legal personality under Swiss law but remain under the WMO Host Agreement; and (4) retain the status quo.

Sept. 16 issue of the journal Science: preventing Sixth Large Extinction: Species Marine Mammals. Univ Stanford Dr Payne.



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THANK YOU!



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