



From Directive to Reporting

**The relevance of
INSPIRE and WFD
for the
Flood Risk Management Planning**

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Outline



INSPIRE (Infrastructure for Spatial Data in Europe)

- Why INSPIRE?
- General provisions

WFD

- Relevance of WFD for FRM-Planning
- Cross-references between FD and WFD

FD in context INSPIRE / WISE / SEIS (Shared Environmental Information System)

(Relationship between INSPIRE/SEIS and water-related Directives)

Perspective and conclusions

INSPIRE - Why?

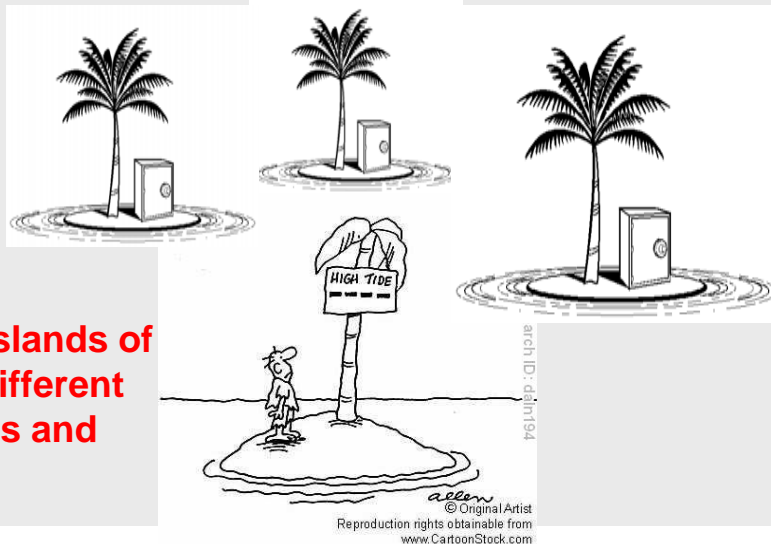


Why?

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

Situation in Europe

- Data policy restrictions
 - pricing, copyright, access rights, licensing policy
- 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



EU has islands of data of different standards and quality...

INSPIRE Directive General Provisions



- **INSPIRE** lays down **general rules to establish an infrastructure for spatial information** in Europe for the purposes of Community environmental policies and other policies or activities which may have an impact on the environment.
- **INSPIRE** to be based on the infrastructures for spatial information established and operated by the Member States.
- Provide access to spatial data via **network services** and according to **Implementation Rules (IR)** to achieve **interoperability of data**
- **Interoperability** allows Data sharing (**SEIS**-principle)
- **INSPIRE** does not require collection of new spatial data
- Datasets used in Member States may stay as they are, but then
- Data or service providers have to provide a **transformation service** between their internal data model and **IR based on data specifications** (e. g. floods in terms of natural risk zones (NZ), “floods package” in Dataspecification NZ is an example how Core-Model could be extended)
- **INSPIRE does not overtop requirements of other Environmental Directives**

Relevance of WFD for FRMP



- **Floods Directive: Cross-references between FD and WFD (e. g. art. 3, art. 9, especially in terms of coordination or integration of RBMP and FRMP**

(underpinned by a „synchronised timetable“ as for 2015)

- **COM expects to see coordination in the first cycle including engagement of stakeholders and the public in the preparation of the RBMPs and FRMP, even if this is not relevant for compliance-checking of 1st FRMP**

(references are given in RS FRMP, adoption is foreseen in 12/2011)

- **COM circulated in WG F a questionnaire „Coordination between the ‘Floods’ and Water Framework Directive”, based on the feedback COM is working on a FAQ-paper**

(1st draft will be available in early 2012)

- **Assumed SCG agrees FAQ-Paper will be provided to other CIS-Groups**

(at least WG D)



Cross-references FD & WFD



- **PFRA-reporting interface gives the option to report SWB as FloodLocation:** „Unique code for the flood location - up to 40 characters in total. Can also be used as a identifier for multiple surface water bodies designated under the WFD which the flood location is represented by“.
- **WaterBodyStatus is specified in Draft List of Consequences as subject of protection** (even if not mandatory for PFRA-reporting 2012)
- **RS FRMP: to avoid double-reporting measures reported under WFD can be „reused“ for FD by using the same MS-Code for a WFD measure supporting the reduction of flood risk**
(e.g. DE-LAWA measure 65 for improving natural water retention (inclusive relocation of dikes and dams))
- **WG A (Ecological Status) analyses WFD-data in terms of reasons for HMWB** (one justification for HMWB is „flood protection“)
- **There is a need for more discussion in terms of cross-references resp. streamlining WFD/FD because some references could lead to misinterpretation** (e.g. HMWB-justification covers complete WB even when justification is valid for a part of WB only)

FD in context INSPIRE / WISE / SEIS



Environmental Reporting
INSPIRE & SEIS
(Technical frame for datasets and services)

Air

Soil

Water
WISE

Agri-
culture

Climate
change

Others
...

EU water legislation and other EU reporting activities on water

WFD

UWWTD

NiD

BWD

DWD

MSD

FD

SoE

JQ-IW

(cross-references)

Perspective



- **INSPIRE will help COM and MS to reduce reporting effort in terms of providing spatial data in the middle- and long-term perspective**
- **Initially MS will have to invest time and money to build up INSPIRE-compliant datasets and services respectively infrastructure**
- **INSPIRE respectively data sharing could help COM and MS in terms of transboundary coordination/ transboundary cooperation and data consistency not only in terms of FloodRiskManagement**
- **INSPIRE services allow to create new information e. g. by overlaying informations reported under different directives**

But there are still some shortcomings:

- **INSPIRE Dataspecifications are not focussing on reporting requirements**
- **not every option really makes sense**

Conclusion



- **Streamlining of reporting requirements and INSPIRE generally are moving in the right direction,**

 - **MS should help**
 - in their own interest with
 - their expertise
- to give these activities a more efficient shape**

WISE – Water Information System of Europe

Landesamt für Landwirtschaft,
Umwelt und ländliche Räume
des Landes Schleswig-Holstein



m for Europe

Kristinehamn, Suède

Aerial Aerial with Imagery Print (Alt+R) Full Map

LAYERS

Layer Visibility

- Floods Directive Units of Management

DETAILS

Choose 'Identify tool' in the left side of the map and click map features to see details. Zoom in on the map to see and click monitoring stations.

[Zoom in](#)

LEGEND

Floods Directive Units of Management

Units of Management

THANKS !!!