



SEIS **Shared Environmental Information System**

Ad hoc Committee on
E-Democracy of the Council
of Europe (CAHDE)

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SEIS – Shared Environmental Information System

Development of a Shared Environmental Information System in Europe

- improved usage of environmental data
- „Streamlining and harmonisation of monitoring and reporting obligations“
- INSPIRE as a core element

Parties involved: „Group of 4“ (Go4)

- DG ENV
- EEA
- Eurostat
- JRC

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SEIS - Commission Communication

February 1st, 2008:

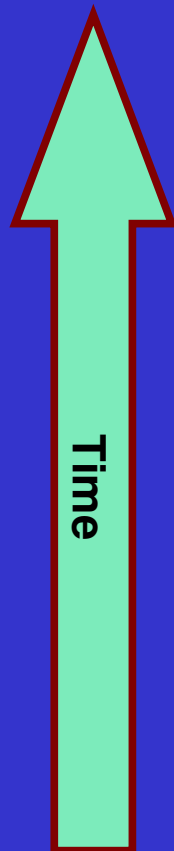
- Commission Communication COM(2008) 46 final: „Towards a Shared Environmental Information System (SEIS)” released
- links with INSPIRE and streamlining of reporting and monitoring provisions
- suggest policy options to go from ,Concept to Reality`

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Towards sharing environmental information...



- SEIS, national environmental portals,....
- INSPIRE Directive, 2007
- Directive on Public Participation, 2003
- Directive on Reuse of Public Sector Information, 2003
- Directive on Public Access to Environmental Information, 2003
- Aarhus Convention on Access to Information, 1998
- Rio Declaration on Environment and Development, 1992
- Declaration of the UN Stockholm Conference on the Human Environment, 1972

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SEIS Principles (1)

- Common principles for timely, reliable and relevant information on the state of environment:
 - *Information should be managed as close as possible to its source;*
 - *Information should be collected once, and shared with others for many purposes;*
 - *Information should be readily available to public authorities and enable them to easily fulfil their legal reporting obligations;*

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SEIS Principles (2)

- *Information should be readily accessible to end-users, primarily public authorities at all levels from local to European, to enable them to assess in a timely fashion the state of the environment and the effectiveness of their policies, and to design new policy*
- *Information should also be accessible to enable end-users, both public authorities and citizens, to make comparisons at the appropriate geographical scale (e.g. countries, cities, catchment areas) and to participate meaningfully in the development and implementation of environmental policy;*

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SEIS Principles (3)

- *Information should be fully available to the general public, after due consideration of the appropriate level of aggregation and subject to appropriate confidentiality constraints, and at national level in the relevant national language(s)*
- *information sharing and processing should be supported through common, free open source software tools.*

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What benefits will the SEIS bring?

- **Simplification and efficiency**
 - (i) the content of information requirements in thematic environmental legislation,
 - (ii) the content and procedure for reporting at international level, and
 - (iii) more efficient organisation of data-gathering activities within Member States.
- **Better regulation, better policy**
- **Empowering citizens**

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What actions are necessary to realise SEIS?

- implementation of the **INSPIRE directive**
- further development of the **GMES initiative**
- revising the **Standardised Reporting directive 91/692/EC**, and
- **Community financial support** allocated for this purpose through the Research Framework Programmes, LIFE+, the Competitiveness and Innovation Framework Programme (CIP) and the Structural Funds.
- coordination by **European Environment Agency**

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SEIS Implementation 2008

EEA Activities in 2007-2008 with EIONET towards SEIS Implementation Plan 2007-2008

- Priority Data Flow Reporting (AT = 100% !)
- Reportnet Tools
- Indicator Management Service
- Land-Water-Biodiversity Integrated Assessment
- Ozone Web Extension
- Landcover, WISE, Air Quality Data Services
- SEIS Country Visits

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Technical implementation – Environmental Portals

- **European level:** SEIS (Shared Environmental Information System)
- **Regional:** e.g. Information Infrastructure for the North and Baltic Sea (NOKIS); [http:// nokis.baw.de](http://nokis.baw.de)
- **National** (examples):
 - DE: PortalU – <http://www.portalu.de>
 - CZ: Geoportal – <http://geoportal.cenia.cz>
 - AT: Koordinierungsstelle für Umweltinformation – <http://www.umweltbundesamt.at/umweltinformation/koordinierungsstelle>
 - CH: Metainformationssystem Envirocat – <http://www.envirocat.ch>
- **Sub-national:**
 - Umweltportal Hessen
 - Umweltobjektkatalog Bayern
 - and many others

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DE: One-Stop-Shop example: Umweltportal Deutschland

- Central access to environmental information
 - On all levels of administration (national, provincial, municipal)
- Standardized access to environmental information all over Germany
- Evidence of env. information regarding UIG (EEID)
- Support at:
 - active dissemination of env. information
 - evidence of existing env. data (via metadata)
- Common contribution of the env. authorities to INSPIRE
 - spatial metadata
 - connected to geodata-services
- <http://www.portalu.de/>
- In operation since: **May 29, 2006**

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One-Stop-Portal for Env. Information Umweltportal Deutschland



„Super“ Portale

PortalU

Online-Hilfe

Der Umweltdatenkatalog (UDK) gibt Auskunft über Umweltdaten, die von Behörden erhoben und gespeichert werden. In der Web-Version trägt er dazu bei, das Umweltinformationsgesetz (UIG) praktisch umzusetzen, das den Bürgerinnen und Bürgern freien Zugang zu Informationen über die Umwelt sichert.

Dabei enthält der Umweltdatenkatalog nicht die eigentlichen Umweltdaten, sondern Informationen zu diesen Daten - sogenannte Metadaten. In einigen - bisher noch recht wenigen - Fällen ist der Zugriff auf die Daten selbst über die Metadaten möglich.

Der Web-UDK wurde erstellt durch [disy Informationssysteme GmbH](#)

Inhaltsverzeichnis

- Das UDK-Konzept
 - [Ziele des UDK](#)
 - [UDK-Objekte und UDK-Adressen](#)
- Grundfunktionen
 - [Menü des Web-UDK](#)
 - [Expertensuche nach Daten](#)
 - [Expertensuche nach Adressen](#)
 - [Strukturbaum von Objekten und Adressen](#)
 - [Ergebnisliste Umweltdaten und Adressen](#)
 - [Detailinformation](#)
 - [Recherche über Umweltthemen](#)
 - [Sammelmappe](#)

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Portal Umwelt-BW

zur LUBW zum UM Hilfe

VOLLEXTENSUCHE

Suchwort:

Suchen im Thema:

Alle Themen Suchen

AKTUELLE WERTE

- ↳ Bodensee-Hochwasserinformationen
- ↳ Fließgewässerdaten
- ↳ Hochwasservorhersagezentrale (HVZ)
- ↳ Kernreaktor-Fernüberwachung (KFÜ)
- ↳ Luftmeßdaten/Ozondaten
- ↳ Luftqualität am Oberrhein
- ↳ Radioaktivitäts-Meßnetz (Strahlenpegel)

UMWELTPOLITIK IN BADEN-WÜRTTEMBERG

- ↳ Umweltplan Baden-Württemberg

INFODIENSTE UMWELT

- ↳ Umwelt-Datenbanken und -Karten online
- ↳ Umweltdatenkatalog (UDK) BW
- ↳ Deutsches Umweltportal PortalU

PortalU

Portal service-bw
Ihre Verwaltung im Netz

Ressort 1

Re



Webseiten

Analoge Daten/
Dokumente

Karten

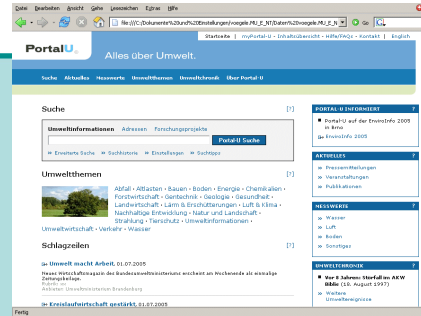
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Datenbanken



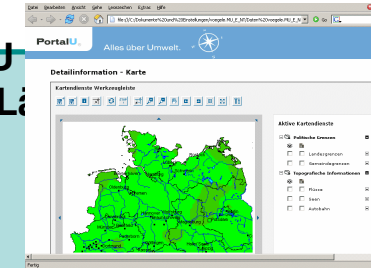


DE: Portals on different Levels of Administration

National



PortalU
Bund/Länder

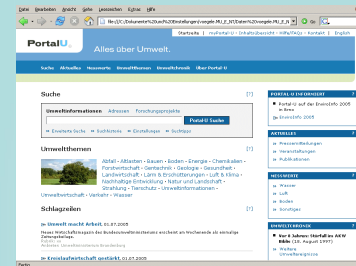


INSPIRE Geoportal

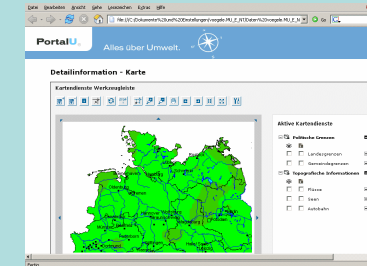
Provincial



Landes-
Umweltportal



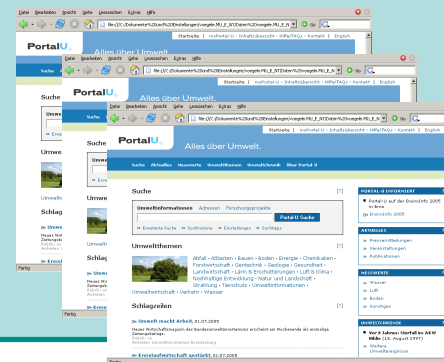
Landesdatenkatalog
(OGC konform)



Geoportal

Municipal

Kommunale Portale



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Thank you very much for your interest!

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