

The Information Technology of the German Environmental Information Portal PortalU® as Tool for the European Level?

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EnviroInfo 2008

„WS - Towards an Integrated Information Space for the Environment in Europe“



Lueneburg, 10 Sept. 2008

1. SISE: Single (integrated) Information Space and market place for effective Environmental management in Europe

- GOAL: Development of tools and systems allowing a collaborative Information Space on the Web
- Enabling technical interoperability

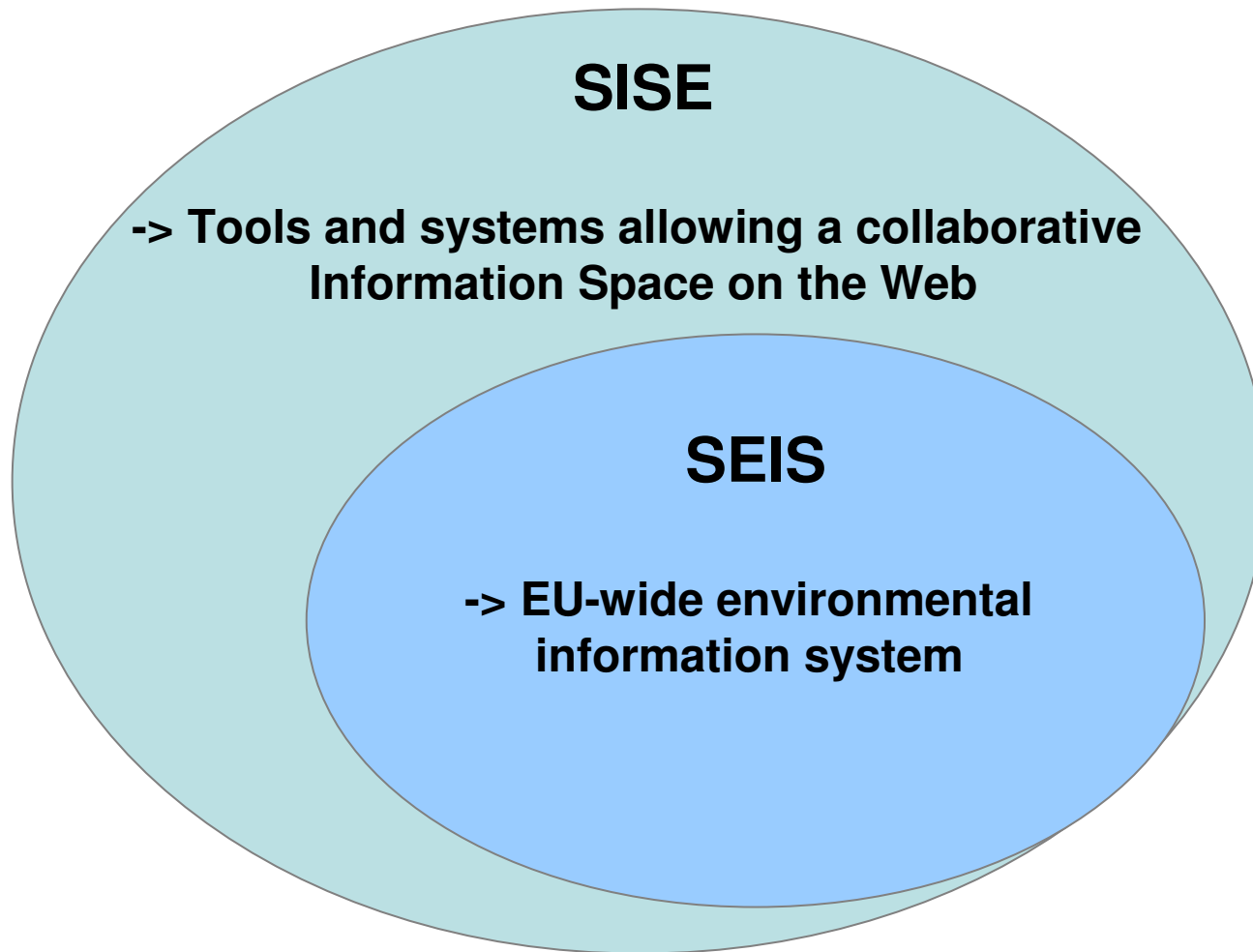
2. SEIS: Shared Environmental Information System

- GOAL: Establish together with the Member States an integrated and shared EU-wide environmental information system
- Improving all existing data gathering and information flows related to EU environmental policies and legislation

ftp://ftp.cordis.europa.eu/pub/fp7/ict/docs/sustainable-growth/sise-workshop-report-08_en.pdf

http://www.ec-gis.org/Workshops/inspire_2008/presentations/05_02_juceviciene.pdf

<http://ec.europa.eu/environment/seis/what.htm>



SEIS principles



Managed close to its source

Information

Collected only once

General accessible



At national level in relevant languages

Comparisons at different geographical scales

Use of open source software

-> The fulfilment of legal reporting obligations of public authorities shall be improved.

-> The state of the environment shall be made timely accessible

Approach to provide a EU-wide environmental information system
⇒ **scale-up of best-practice system**

PortalU®

- the web-enabled German Environmental Information Portal
- joint German federal-state-project
- designed due to increasing demands on the access of environmental information (i.p. EU Directives 2003/4/EG & 2007/2/EG)

Goal: central access to environmental information of public authorities for citizens and experts

Currently more than 200 data providers are involved

from federal institutes like the Federal Ministry of Environment or the Federal Environmental Agency to several State organisations of the 16 German federal states (Bundesländer).

- Administrative agreement between the federal government and the German federal states
- Boards
 - Executive committee: decision-making body
 - Consortium “AG IUTE”: working group for developments of PortalU regarding content and technical aspects
- Coordination Center PortalU
 - Responsibility for the realization of PortalU in respect of content and technique
 - Located in Hannover at the Lower Saxony Ministry of Environment and Climate Protection

The federal-state-cooperation

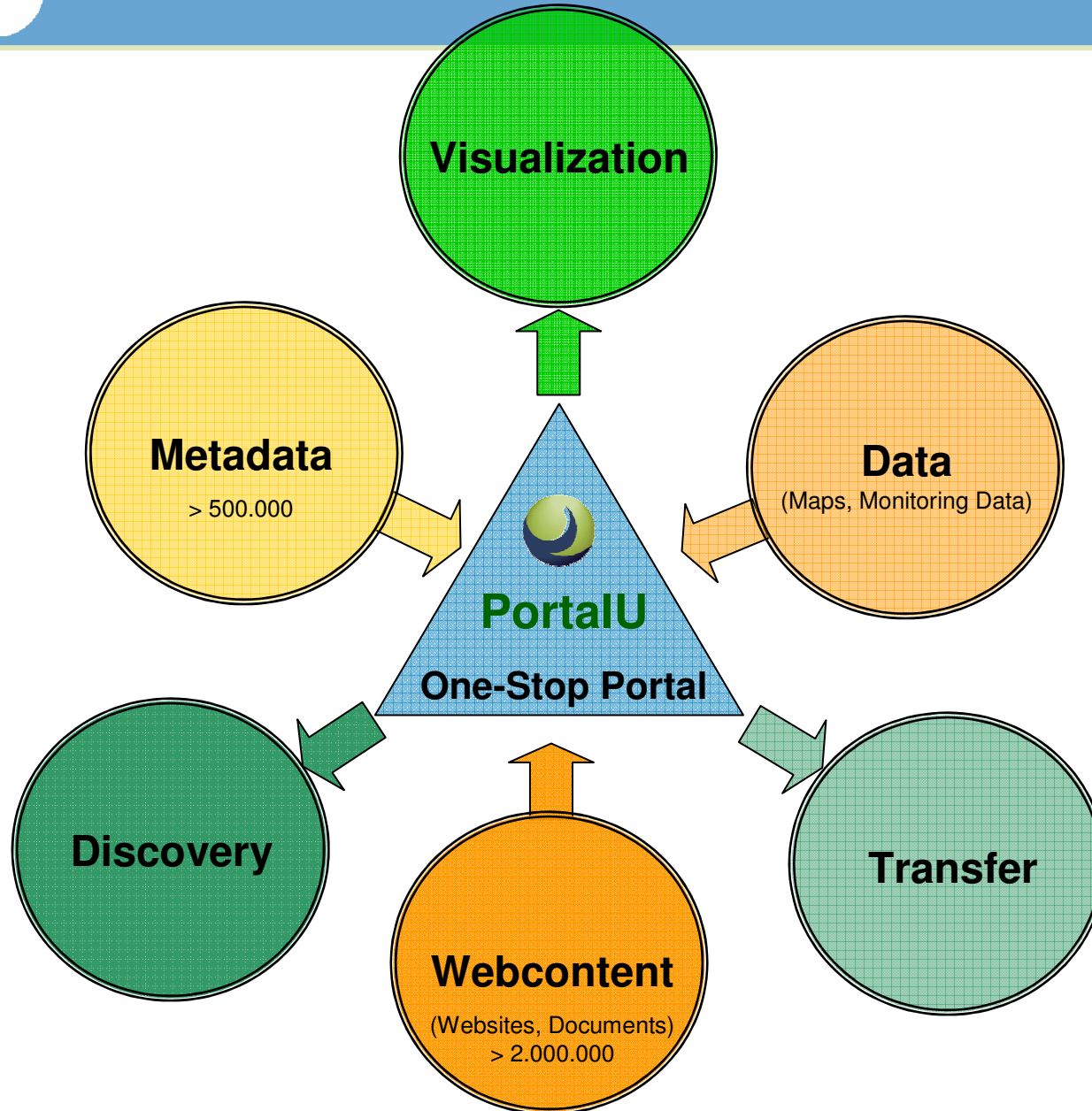
- Since 1996 for metadata (UDK)
- Since 2003 advanced to all kind of environmental information
- Since Mai 2006 consolidation of the metadata system and the environmental information system -> PortalU®

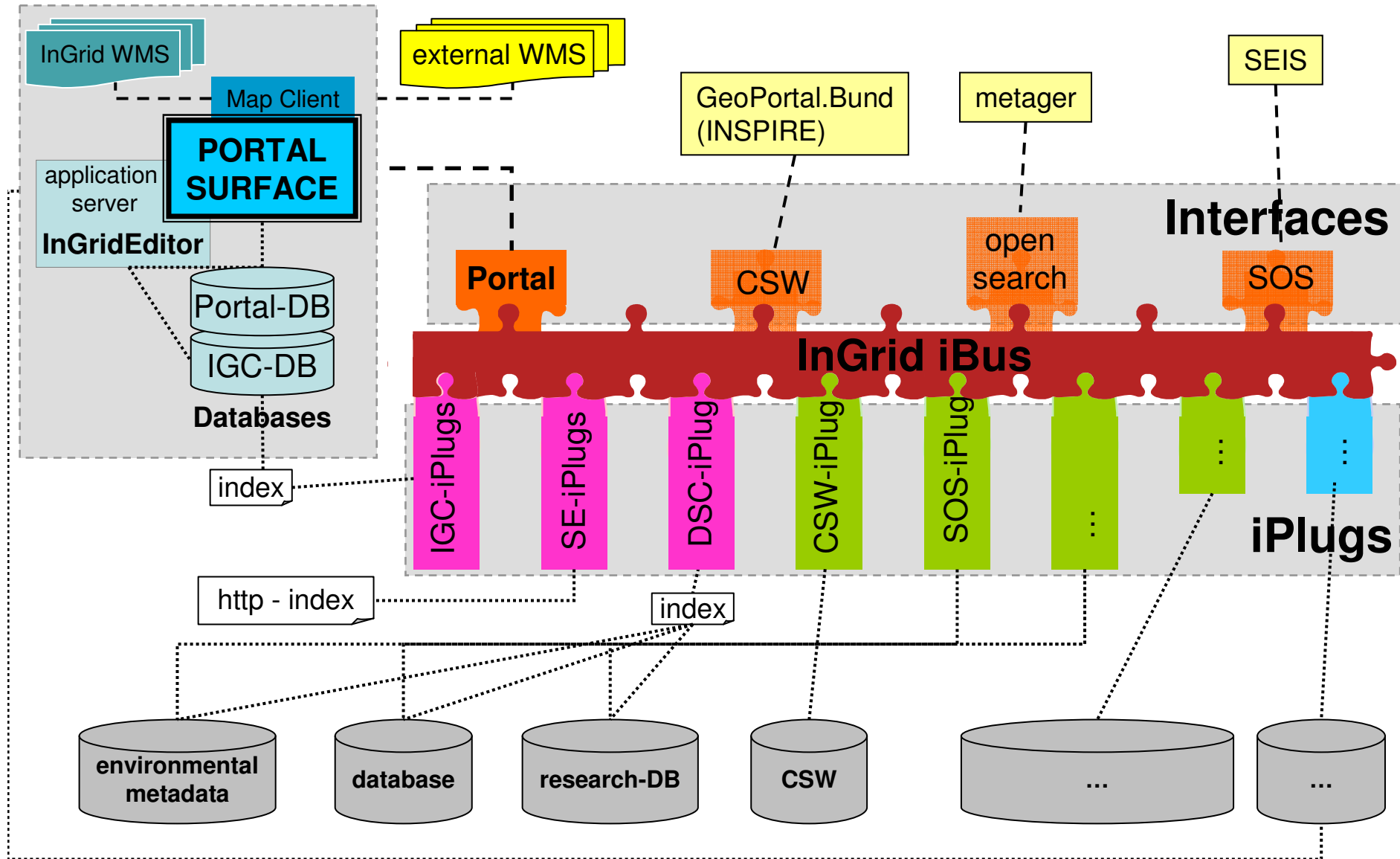
The PortalU[®] software InGrid[®]

- with the PortalU[®] technology, InGrid[®], all decentralized distributed environmental information can be bundled

websites, databases & data catalogs

- is based on open source technology and proprietary developments
- is ISO, OGC, CEN conform
- different kinds of InGrid-portals can be easily cross-linked





- Easy access to all environmental information including web pages, databases and data catalogues
- Queries can be specified by spatially, temporally or semantically restrictions.
- Further features to improve the understanding of environmental information
 - Spatial data from expert systems can be visualized and combined with other spatial data in a map viewer.
 - Selected environmental information is separately structured in 21 environmental topics.
 - Environmental monitoring data, service pages and an environmental almanac are also available.



	SEIS principles	InGrid - Portal
Information	Managed close to its source	√
	Collected only once	√
	General accessible	√
	At national level in relevant languages	√
	Comparisons at different geographical scales	√
	Use of open source software	√

⇒ Simplifies fulfilment of legal reporting obligations of public authorities

⇒ The state of the environment is timely accessible

Thanks for your Attention!

Visit us at www.portalu.de

or send a mail to kst@portalu.de