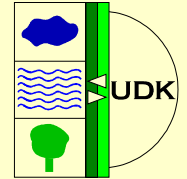


Status of the UDK project

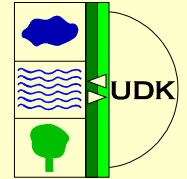
Dr Walter Swoboda

Ministry of Environment of Lower Saxony, Germany



- UDK = Umweltdatenkatalog
= Environmental Data Catalogue
- UDK is the national CDS of Austria and Germany
- UDK Datamodel is compatible to CDS Datamodel

Umweltdatenkatalog (UDK)

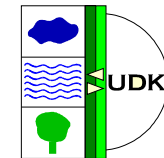


1991-95: UDK R&D-project in Germany

since 1993: UDK co-operation with Austria

since 1996: Administrative agreement between the
German federal level and 13 (of 16)
German states (Bundesländer)

Partner der Vereinbarungen zum Umweltdatenkatalog



Die Bundesländer:



Bundesumwelt-
ministerium

[Bundesministerium
für Umwelt,
Naturschutz und
Reaktorsicherheit](#)



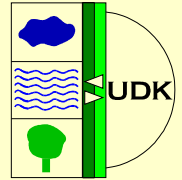
Umwelt
Bundes
Amt

[Umweltbundesamt
Berlin](#)



[Umweltbundesamt
Wien](#)

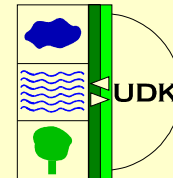
Number of UDK records



UDK Partner (Germany)	1997	1999
Federal Environmental Agency	618	333
Baden-Württemberg	393	650
Brandenburg	452	700
Bremen	0	0
Hamburg	0	352
Hessen	1.105	8.338
Mecklenburg-Vorpommern	350	1.039
Niedersachsen	2.200	2.210
Nordrhein-Westfalen	0	starting soon
Saarland	0	starting soon
Sachsen	0	1.000
Sachsen-Anhalt	2.240	2.120
Schleswig-Holstein	0	500
Thüringen	0	641
Summe:	7.358	17.883

Austria:

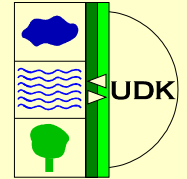
12.000



Metadata Provider in Germany

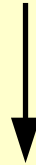
- Environmental Authorities on federal, state (Bundesländer), and on regional level
- Geodetic Authorities (high demand on metainformation systems):
1999: 2 German Bundesländer, interest of 3 further Bundesländer
- 1999 / 2000: Geological Authorities of all Bundesländer

UDK software



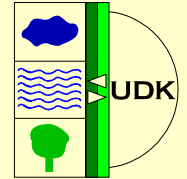
1998 / 99: Re-Design of UDK applications

User requirement analysis



- WinUDK 4.0 for registration and retrieval
- WWW-UDK 4.0 for retrieval

WinUDK 4.0

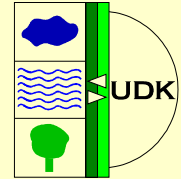


- Windows software (stand alone or C/S) by BVG mbH
- 32bit, developed with VB 5.0, now
- designed for data input and retrieval
- Decentralized metadata collection and maintenance
- Retrieval tools:

UDK-Explorer, Thesaurus-Navigator, Geographical search

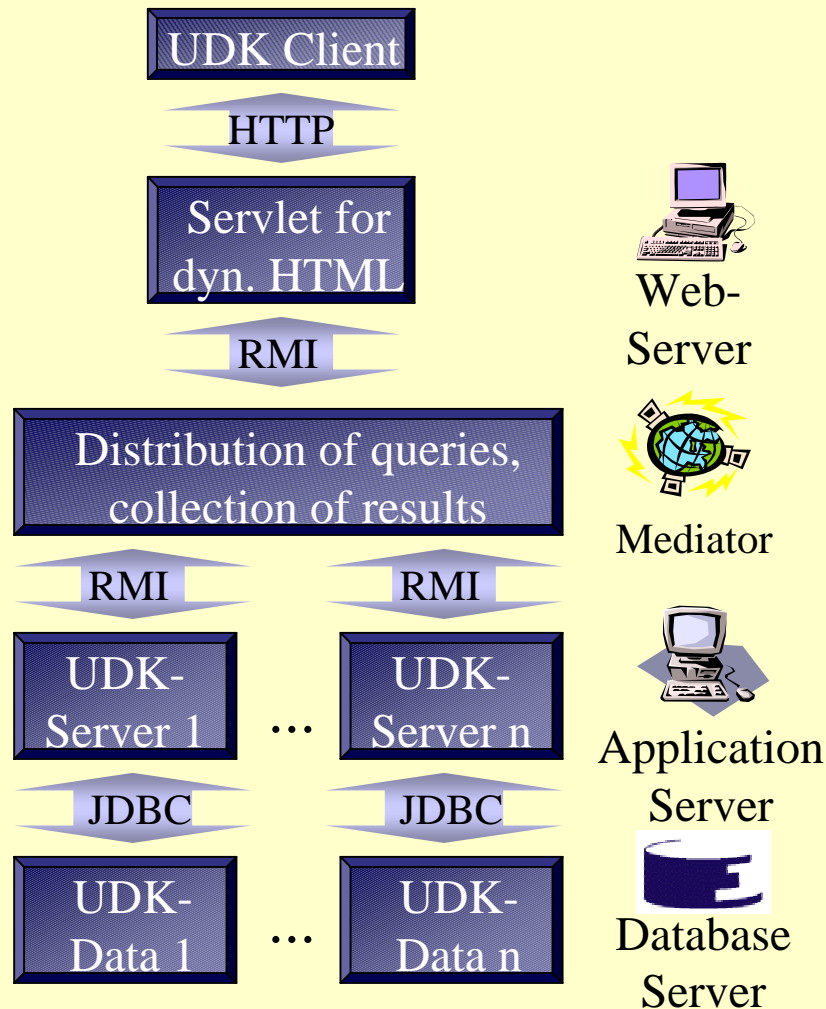
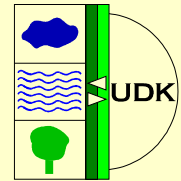
→ Software presentation

WWW-UDK 4.0

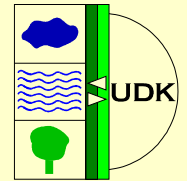


- WWW Retrieval Tool based on WebCDS
- Developed by Forschungszentrum Informatik (FZI), Karlsruhe
- **Two user interfaces:**
 - **HTML-UDK:** Basic functions based on pure HTML
 - **Java-UDK:** Advanced Retrieval with Java applets
- **Virtual UDK:**
 - Distributed query over all WWW-UDK's,
 - Demonstrator status based on HTML-UDK

Architecture of Virtual UDK

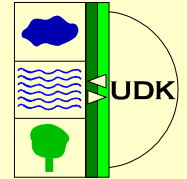


Prospect



- Tools are available, now focus on further improvements of data quality and quantity
- Integration of UDK as a metasystem of the environmental information systems of our partners,
Example: German Environmental Information Network (GEIN 2000)
- UDK as an instrument for the public to get access to environmental information (see EU directive and Århus convention) ?

Further Information



Email: **udk@mu.niedersachsen.de**

URL: **<http://www.mu.niedersachsen.de/udk/>**

Our Website offers:

- Download of WinUDK 4.0
(60-days-testversion, German language)
- WWW-UDK 4.0