





Data Infrastructure for the Alps: Mountain Orientated Network Technology

The DIAMONT database

Objectives

The DIAMONT project has collected a huge amount of information. For its use, documentation and further exploitation, the storage in a database is the only satisfying solution. To facilitate further use of project data, the design of an online database has therefore been part of the DIAMONT project work.

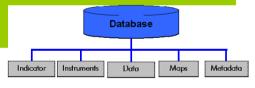
From the outset of DIAMONT, the Bavarian State Ministry for Environment, Health and Consumer Protection granted the project the hosting and programming of this database as an in-kind contribution. Due to this support, the results will be available online for the public until 2012 at www.diamont-database.eu once uploads and layout are finalised

To support the Alpine Convention, a link to the System for Observation of and Information on the Alps (SOIA) will be established.

Structure

The data base is structured in "classes" which refer to central deliverables of the DIAMONT project, and documentation on the presented indicators, data and maps itself, called metadata documentation.

The structure of this metadata meets the requirements of the ISO 19115 standard and the Dublin core standard. This structure capitalises on previous work carried out in the Alpine Convention's Working Group ,Environmental Objectives and Indicators' and was closely coordinated with first steps undertaken for the implementation of the SOIA data documentation.



Indicators

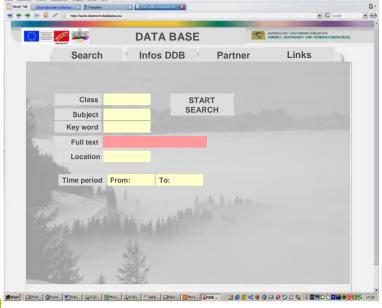
Indicators will be documented in the form of "fact sheets", providing information on title and unit of the indicators. Additionally, the database on Indicators describes

- idea and purpose of the indicator,
- indicandum, i.e. the Main Trends and the Phenomena.
- calculation formulas used.
- possible data sources.

and suggestions for interpretation.

Data

Data will be stored mainly as "result data", which refers to data which have been produced in the DIAMONT project through data processing and formula calculation out of raw data delivered by statistical agencies. This approach respects legal constraints and at the same time meets public demand for a high level of information.



Data are linked to geographic reference and time periods, basic information on the data is contained in metadata fact sheets. Thus search functions of the database will allow the selection of data for time periods or geographic units

Maps

In the course of DIAMONT, result data have been linked to Geographic Information Systems, visualising the distribution of indicator characteristics in the Alps in maps.

These differentiated maps make information more tangible and reveal interlinkages between geographic conditions and the subjects in focus.



Instruments

The collected instruments are presented in the database including categories, key words and assessments. Through the option to select policy fields of interest, users will be able to identify relevant instruments for their purpose. All information on individual instruments can be downloaded as pdf-file.

As far as available, best practice information and further links are attached to each instrument.



Coordinated by:









