

## Short Program Statement of WG 141

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## The Universal Data model

- The universal environmental data model is the long term target but it will not be realized in next future
- But: The kernel will be build by the u-values (intermedia)
- The details have to be added later
- The solution for adding the details will be developed by WG 141

## The Approach

- What we can do is to standardise the description of the topical data models
- This will allow to continuously expand the data model, integrate sub models and connect different data models with each other

## Preferences


- The standardisation may not be based on any IT technology
- It may rather consider the environmental topics. Otherwise it will be out-of-date in a couple of years, as IT technology evolves.

## Technical Solution

- For practical use it will be necessary to be able to derive a technical solution directly (1:1) from the topical data model
- All the technical solutions will be able to process the same data if the topical data model is compatible. This will need only a technical transformation.
- Different topical data models have to be transformed by topical experts

## First Step

- The first step will be the analysis of the existing solutions and the identification of the actual problems
- From this analysis may result a (topical) generalisation of the description of data models
- One example of an already identified problem is the awarding of Ids




## The Two Main ID Problems

- 1: To standardise the catalogues  
e. g.:  
U422 Niederschlagsbeschaffenheit  
MDBW11 Intensivmessstellen Baden-Württemberg  
J02 Beobachtungsjahr 2002  
De deutsch  
Results in the e-journal URL:  
U422-MDBW11-J02-de
- 2: To standardise the awarding of names of objects  
Existing names of objects have to be considered  
A solution will be presented in WG 141 meeting tomorrow

These problems may be solved in short-term!


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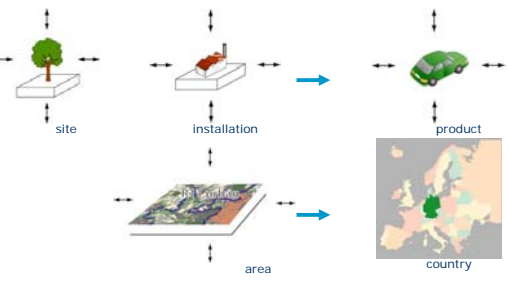
## Relations to other Working Groups

- WG 02: A standardisation of IDs is necessary for the u-values (as stipulated in the e-journal), too
- WG 22: An other standardisation is necessary for spatial data
- WG 11 and WG 91: To describe the relations between the different topics a standardisation of the description of topical data models will be essential


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## 2 balance applications




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## Working Program (1)

- The result of the last meeting was the decision to build an unique object-oriented data model. This data model will contain the u-values with respect to the different environmental topics, spatial data, outcomes of other working groups as well as legal reporting commitments.
- The interface-format will be XML
- It have to be possible to use only parts of the data model

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## Working Program (2)

- For the alignment of the details 2 resolutions ('data model definition' and 'data model rules') will be drafted an adjusted electronically.
- The technical keywords will at first remain on the URL [www.IPPC-group.net/Glossar](http://www.IPPC-group.net/Glossar).
- The first topics of the data model will be the legal reporting on cement- and steel-production, agriculture as well as nitrogen and cadmium.

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