



Common Vocabularies in the GLUES GDI

People of different cultures, domains or communities often have a slightly biased understanding of terms. Therefore, the meanings of words used to name geographical features or to describe geographical data sets and their contents can be quite different to them. For environmental modeling in the geosciences this already starts with basic terms like model, scenario or storyline. To overcome these problems and to ensure that the metadata of the GLUES GDI is acquired in a consistent way we implemented a terminology registry. Such registries are collections of registers that contain the register items for a defined category (e.g. EPSG codes, scenario descriptions, etc.). Each of the registered items has a unique, unambiguous and permanent identifier and a description or definition to assign the meaning of the item.

■ Example of the GLUES-Scenario Register Item “Baseline”

- **Name:** Baseline
- **Description:** The baseline scenario is defined to carry forward the current situation while using current developments and trends. Basic conditions are not varied.
- **Link:** <http://modul-a.nachhaltiges-landmanagement.de/de/glossar/artikel/article/baselineszenario-referenzszenario/>
- **Registry:** GLUES
- **Register:** Scenarios
- **URN:** `glues:registry:scenarios:baseline`
- **URL:** http://geoportal.glues.geo.tu-dresden.de:8080/GeoMetaFacet/scenario_registry.html#glues:registry:scenarios:baseline

In the context of geodata infrastructures registries are commonly used to map coordinate reference systems (e.g. the EPSG Geodetic Parameter Dataset¹), to register data themes (e.g. INSPIRE Theme Register² in INSPIRE Registry³) or to register components and services (e.g. GEOSS Component and Service Registry⁴ (CSR)).

¹ <http://www.epsg-registry.org>

² <http://inspire.ec.europa.eu/theme>

³ <http://inspire.ec.europa.eu/registry>

⁴ <http://geossregistries.info>

<http://geoportal-glues.ufz.de/applications/registry.html>

The GLUES GDI Registry provides registers for the projects of the sustainable land management program (GLUES and the Regional Projects), the relevant data topics and the definitions of program specific models and scenarios.

■ Available Registers in the GLUES Registry

- **GLUES and Regional Projects** (http://apps1.glues.geo.tu-dresden.de:8080/GeoMetaFacet/project_registry.html)
- **Scenarios** (http://apps1.glues.geo.tu-dresden.de:8080/GeoMetaFacet/scenario_registry.html)
- **Data Topics** (http://apps1.glues.geo.tu-dresden.de:8080/GeoMetaFacet/topiccategory_registry.html)

■ How to use the GLUES Registry

- A GLUES Register can be cited by using one of the URLs above
- Whenever the registry items are used (for example in metadata descriptions) they can be cited by using one of the URLs above and the extension “#” + <Register Item URN>
For example the Baseline Scenario can be cited via
http://apps1.glues.geo.tu-dresden.de:8080/GeoMetaFacet/scenario_registry.html-glues:registry:scenarios:baseline
- The GLUES Registers also can be used for further development as JSON formatted files
“<http://apps1.glues.geo.tu-dresden.de:8080/GeoMetaFacet/registries/>” +
Projects: “`glues_registry_projects.json`”
Scenarios: “`glues_registry_scenarios.json`”
Topics: “`glues_registry_topiccategories.json`”

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