

# Data Specification for Entry Types of the Portal

This site specifies the fields of each entry type that is provided in the portal. The specifications are based upon the inventory (D 2.1/D 2.2) and the product specification sheet from the draft requirements report (D 3.1).

## Products

Products can be software, hardware, reports, policies, which are the outcomes of projects and can be taken up/used by others. The fields are as follows:

Name	Data Type	Cardinality	Comment
name	string	1	name of the product
logo	image-format like jpg, png, etc.	1	logo of the product
purpose	term from pre-defined vocab	n	What can I use the tool for?
website	URL	1	website of the product
category	term from pre-defined vocab	n	category of the product, e.g. models, other software tools, participation tools, economic tools, data processing tools, monitoring and <b>measuring</b> tools
description	text	1	textual description of the product
user-profile	term from pre-defined vocab	n	definition of the target audience
license	term from pre-defined vocab	n	one or more licenses under which the product is available
costs	String	1	costs for using or accessing the product (if there are no costs, should be '0')
WFD Relevance	String	1	Which output can be used for the WFD
type of input data	term from pre-defined vocab	n	predefined input data types, in case the product is supporting specific input data types, e.g. csv, <a href="#">NetCDF?</a> or O!&M
interoperability requirements/possibilities	text	1	textual description of interoperability requirements/possibilities; this may also just be a plain description how data can be export/imported/linked to other tools
potential to combine with other tools	term from pre-defined vocab	n	potential to combine different tools in support of integrated perspective e.g. integrated model for linkage between surface waters and groundwater, climate models
application scale	term from pre-	n	potential applicability of models for catchments of different sizes, e.g. continental. regional. ...

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	term from pre-defined vocab	cardinality	comment
supported legacy systems	text	1	textual description of support for legacy systems
supported standards	term from pre-defined vocab	n	listing of supported standards, e.g. OGC Standards, Web standards (IEEE, <a href="#">W3C?</a> ) or INSPIRE
innovative aspects and advantages	text	1	textual description of innovative aspects and advantages
innovative disadvantages and risks	text	1	textual description of innovative disadvantages and risks
project	URL	0..n	links to one or more projects where the product has been developed or used
case studies/best practices	URL	0..n	link to one or more case studies or best practices for usage of the product
training manuals	URL	0..n	link to training materials, <a href="#">E-learning tutorials</a>
product of the month	boolean	1	Manually managed switch to identify the product of the month for the front-page
language	string	1	technical property
path	string	1	technical property

## Service Requests and Offerings

Service requests are used to bring suppliers and customers together. They are referencing products and a certain need regarding this product, e.g. training, implementation of a special feature from a customer and supplier point of view.

### Service Request

Name	Data Type	Cardinality	Comment
title	String	1	title of the request
product	entity reference	1	the product that the requester needs something for.
category	term from pre-defined vocab	1	should be the same as the product. Used for search and filters.
description	text	1	Detailed description of the request.

### Service Offering

Name	Data Type	Cardinality	Comment
title	String	1	title of the offering
product	entity reference	1	the product that the supplier offers something for.
category	term from pre-defined vocab	1	should be the same as the product. Used for search and filters.
description	text	1	Detailed description of the offering.
organisation	entity reference	1	the organisation of the supplier

## Portals

Portals are other related websites that list tools, projects or other information about water resources in the hydrology domain. The fields are as follows:

Name	Data Type	Cardinality	Comment
title	String	1	title of the portal
logo	image-format like jpg, png, etc.	1	logo of the portal
description	text	1	textual description of the portal
website	URL	1	link to the portal

## Projects

Projects for which products are registered in the portal. The fields for projects are as follows:

Name	Data Type	Cardinality	Comment
title	String	1	title of the project
logo	image-format like jpg, png, etc.	1	logo of the project
description	text	1	textual description of the project
website	URL	1	link to the project
end data	Date	1	the date when the project ended or ends

## Organizations

Organizations that have registered certain products at the portal. The fields for organizations are as follows:

Name	Data Type	Cardinality	Comment
title	String	1	title of the organization
logo	image-format like jpg, png, etc.	1	logo of the organization
website	URL	1	URL of the website of the organization
country	term from pre-defined vocab	1	country where organization is located
keywords	term from pre-defined vocab	n	list of keywords associated with the organization
project	URL to project in portal	n	links to projects done by the organization
class	term from pre-defined vocab	n	class to which the organization belongs to

## News/Events

News and events will be displayed on the portal. The fields are as follows

- **title** (String): 1 - title of the event/news item
- **description** (text): 1 - textual description
- **start date** (date): 0..1 - optional start date of the event
- **end date** (date): 0..1 - optional end date of event \*