



WG PID Information Types Outcomes

research data sharing without barriers
rd-alliance.org

- PIDs are associated with additional information and this information needs to be typed
- Harmonization across disciplines and PID providers
- What are PID Information Types?
- Specify a framework for defining types
- Agree on some essential types
- Provide technical solutions for interaction with PID types
- Provide the tools first, then create types individually

Insights gained:

- Types depend on use cases and semantics differ between disciplines
- There is no single set of types fitting all cases
- Community processes must define types from practical adoption

Final deliverables available:

- Type examples and illustrating use cases
 - Types registered in the Type Registry prototype
- API description and prototypic implementation
- Client demonstrator GUI

Verification service

Format:
Checksum:
Size:

Size:
Format:
Checksum:

- Register your types so they can be adopted and reused, making it easier for others to use your data
 - Information on how to register new types available in the report
- Adopt types already being used in your domain to increase interoperability
- Decouple object management from contents
 - Simplify client access to data across domains, implementations and changes in information models
 - More lightweight access to information on less accessible objects

- Adoption of these capabilities by PID infrastructure providers
- Discipline-specific types, preferably from practical adoption
- Establish a type ecosystem
- Refine data model
- Enhance REST API

- Draft final report available via the website
- Demonstrator web GUI:

The screenshot shows the PitApiGui web interface. At the top, there is a search bar with the text "Enter PIR: 118434/vsg_data" and buttons for "Check", "Fetch", "Properties", "Refresh", "Type", and "Show names". Below the search bar, there is a table of properties for the entered PIR. The table has two columns: "Property" and "Value".

| Property | Value |
|--------------------------|---|
| Character | 81ec98c134e0733d3ee8823c3c3 |
| Creator | 164845 Properties (2013); Miroslav |
| Creation date | 20140321 |
| Publication date | 2013 |
| Title | 118434/vsg_data_01/vsg_data_01_20140321_01 |
| License | Open access data at least for academic use. |
| Object size | 23842398 |
| URI | http://dx.doi.org/10.26434/chemrxiv-2014-03-21-118434/vsg_data_01 |
| Parent object identifier | http://dx.doi.org/10.26434/chemrxiv-2014-03-21-118434 |

Below the table, there is a "Quick Start" section with a link to the API documentation: <http://www.rda-esc.rzg.mpg.de/pitapi>. The section lists three classes of entities: Property, Type, and Object. It also provides a list of example PIRs for testing the API.

Some example PIRs:

- Objects:
 - 118434/vsg_data_01
 - 118434/vsg_data_02
 - 118434/vsg_data_03
- Types:
 - 11314.2/08786497/3364064/07588464/33340
 - 11314.2/09431023/4806008/429643/176244
- Properties:
 - Title: STRING - 11314.2/07841c2f94cbe04f9667d0008c2622
 - Creator: STRING - 11314.2/318302c2491302985e0044949de9f7
 - Publication date: DATE - 11314.2/d4e0901f8e2570ee95c40095739de2
 - Language (opt.): STRING - 11314.2/8a2110823383900c0b3ac9e4b0900
 - License (opt.): STRING - 11314.2/1500c132061181c990280c0f4b09
 - Creation date: DATE - 11314.2/0b3e123041b6695e290b30a13d7d6d

<http://smw-rda.esc.rzg.mpg.de/PitApiGui/>