# Dataset Identifiers

| Name of PID | Use cases | | Attributes | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Citation | Identification | Capacity for referring to large numbers of data files | Machine readability | Human readability | Usage Statistics | Minimum metadata requirements | Repository requirements | Version control | Based on a national scheme |
| DOI € | X | | | X | X | X | X | X | X | |
| Handle | | X | X | X | | | | | | |
| URN:NBN € | | X | | X | | | X | | | X |

# People Identifiers

| Name of PID | Use cases | | Attributes | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Administrative use | Researcher use | Use in multiple platforms | API Access | Good coverage of all academic disciplines | Open (not proprietary) | Low cost/no cost to end user | API Access cost | Online profiles for users |
| ORCID € | X | X | X | X | X | X | X | X – member API has enhanced information | X |
| ISNI € | X | | | X | X | X | X | | |
| WoS ResearcherID € | X | X | | X | | | X | | X |
| Scopus Author ID | X | | | X | X | | X | | |

# Software Identifiers

| Name of PID | Use cases | | | |
|---|---|---|---|---|
| | Use for credit and attribution | Use for long term digital preservation | Use software evolution tracking | Use for reproducibility |
| DOI € | X | X | | |
| SWH-ID | | X | X | X |
| Commit hashes | | | X | X |

# Publication Identifiers

| Name of PID | Use cases | | | | Attributes | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Journal Articles | Preprints | Conference Proceedings | Books/Journal titles | Persistent linking | Citation | Access and searching (human and machine) | Metadata under openly available | ISO std Commercial | Distribution identifiers Purposes | Interoperate Integrate with other indentfiers |
| DOI € | X | X | | | X | X | X | X | X | | X |
| ISBN € | | | | X | | | | | X | X | |
| Handle | X | | | | X | | | | | | |
| arXiv ID | | X | | | | | | | | | |
| Wikidata item | | | | | X | | | | | | X |
| ISSN € | | | X | | X | | | | X | X | |
| Disciplinary e.g. PMC ID | X | | | | | X | | | | | |

# Organization Identifiers

| Name of PID | Use cases | | | | | Attributes | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Identify research affiliation | Identify current and historical entities | Identify funding information | Identify legal entities | Identify for access control | Linking online | Describe relationships | API Access | Searching | Metadata under an open licence | Community governance |
| ROR | X | | X | | | X | X | X | X | X | X |
| Crossref FunderID | | | X | | | X | | X | X | X | |
| ISNI € | X | X | | | | X | | X forthcoming | X | X | |
| GRID € | X | | X | | | X | X | X | X | | |
| Ringgold € | | | | | | X | X | | | | |
| Wikidata | | | | | | X | | | X | | X |
| LEI € | | | | X | | | | | | | |
| PSI € | | | | | X | | | | | | |

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