Dataset Identifiers

Name of PID	Use cases		Attributes								
	Citation	Identification	Capacity for referring to large numbers of data files	Machine readability	Human readability	Subscription fee	Usage Statistics	Minimum metadata requirements	Repository requirements	Version control	Based on a national scheme
DOI	X			X	X	X	X	X	X	X	
Handle		X	X	X							
URN:NBN		X		X		X		X			X
ARK		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		
ResearcherID	X	X		X			X		X
ScopusID	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 ID	Use cases				Attributes						
	Journals	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
Crossref DOI	X	X				X	X	X	X		X
ISBN									X	X	
Handle	X		X		X						
arXiv ID		X									
Wikidata item											X
ISSN									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	Manage hierarchies	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					
Wikidata						X		X	X		X
LEI				X							
PSI					X						