

# Persistent Identifiers: Consolidated Assertions

RDA-France 2019

Carlo Zwölf, Peter Wittenburg, Margareta Hellström, Szuzsanna Szeredi



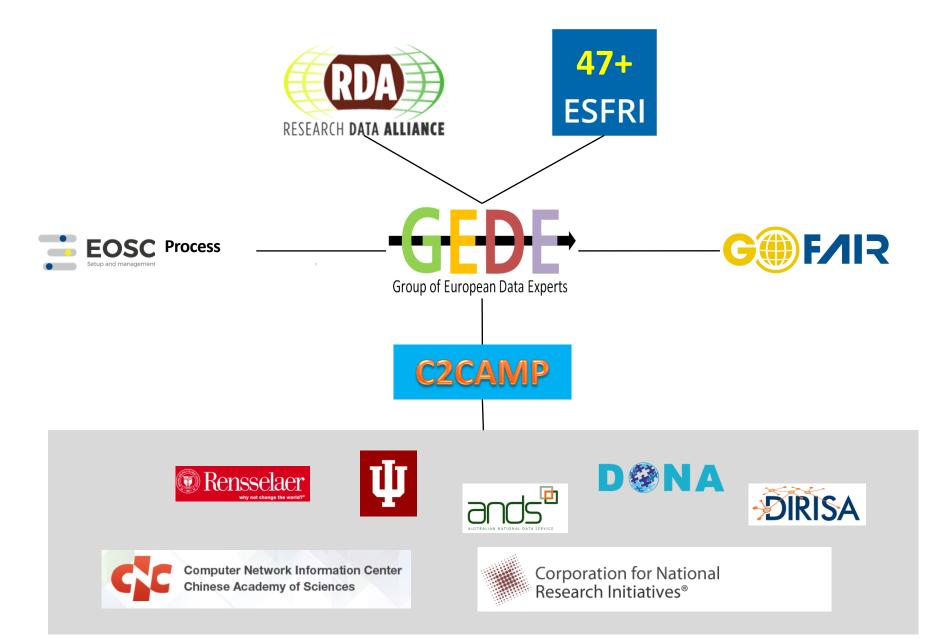


- Founded in 2015 by Leif Laaksonen and Peter Wittenburg within the RDA Europe 3 Project and is recognised as an RDA Coordination Group
- Aim at improving the interactions with the "practitioners" who are in charge of building infrastructures in the ESFRIs and ERICs and who have the deep experience.
- **D**OERs Network: high reputation, Fast reaction, cross-domain,
- **GEDE** is working with small funds now being supported by RDA Europe 4. Most of the work in GEDE is done on a voluntary basis.
- **D**elegates of 47 + research infrastructures (mostly ESFRI/ERIC)
- Elected co-chairs
  - Carlo Maria Zwölf (VAMDC)
  - Peter Wittenburg (GEDE, RDA)
  - one to be elected in November (Maggie Hellström left in 2019)
- Topic groups dependent on interests
- Management Support:
  - secretariat: Zsuzsanna Szeredi
  - policy support: Edit Herczog

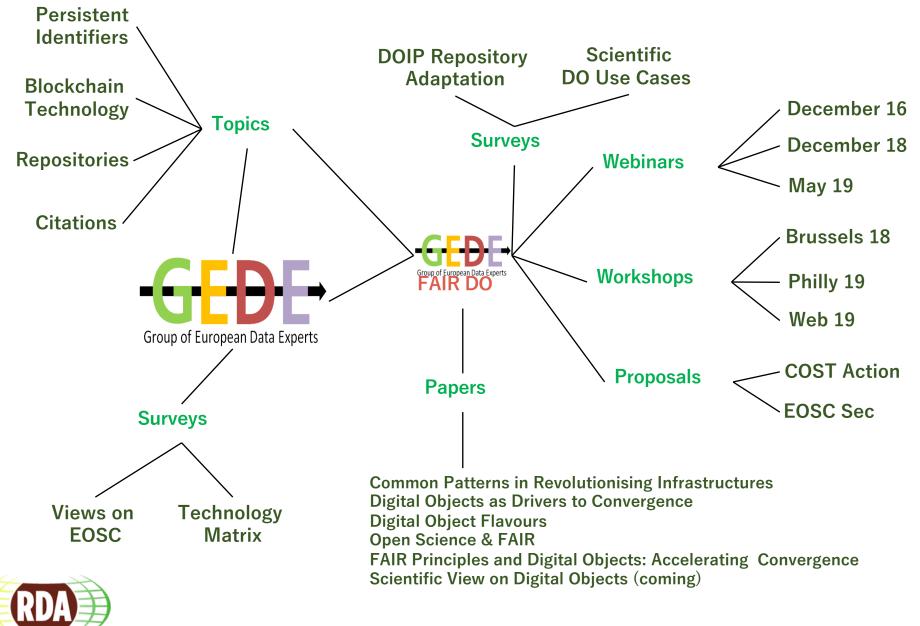




#### **The GEDE Interaction Chart**

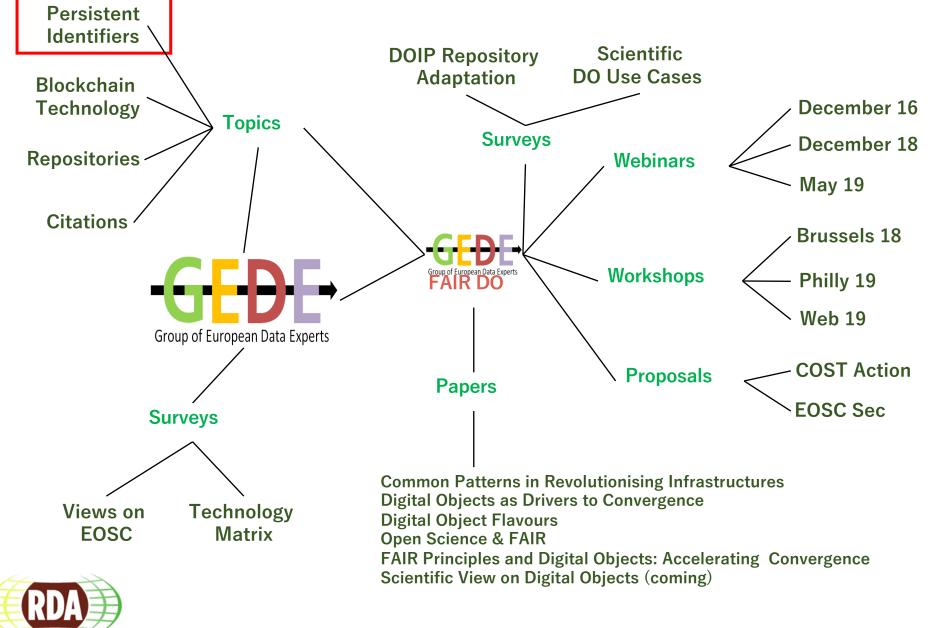


#### **The GEDE Activity Chart**



RESEARCH DATA ALLIANCE

#### **The GEDE Activity Chart**



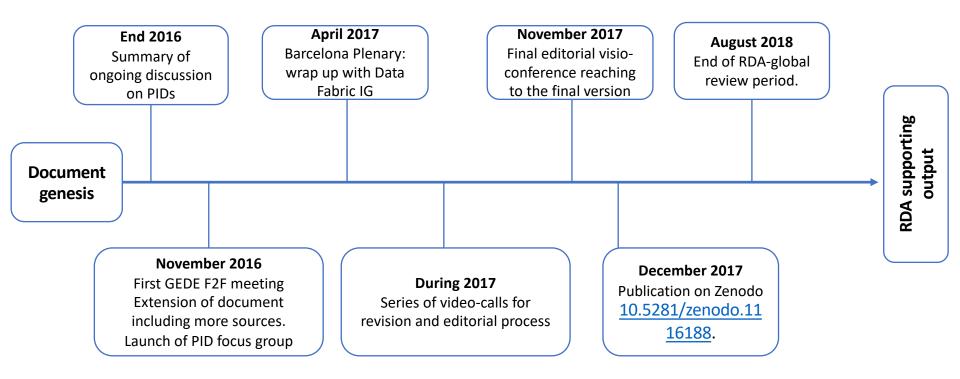
RESEARCH DATA ALLIANCE

# **Persistent Identifiers: consolidated assertions**

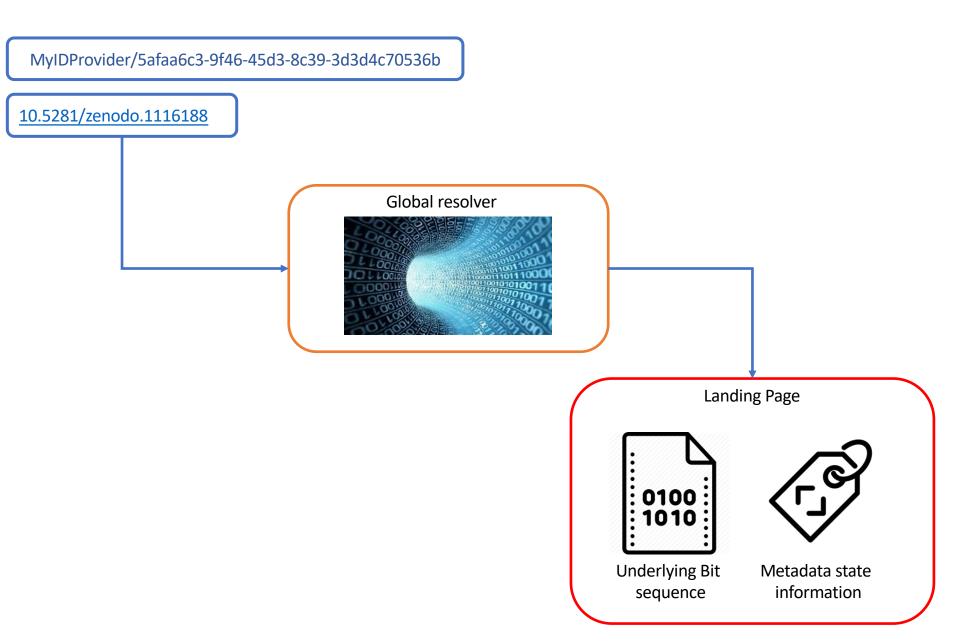
- Bring more clarity about persistent identifiers assigned to data in research communities
  - Many documents exist on this topic in many research communities, using different terminologies
- GEDE goal :
  - not produce another document with new ideas, but a compilation of common of relevant assertions (extracted statements from original sources), with context information leading up to a summary of agreements and disagreements reflecting the convergence of understanding.
- Work carried out in a focus group common to GEDE and RDA-Data Fabric Interest Group

# **Persistent Identifiers: consolidated assertions**

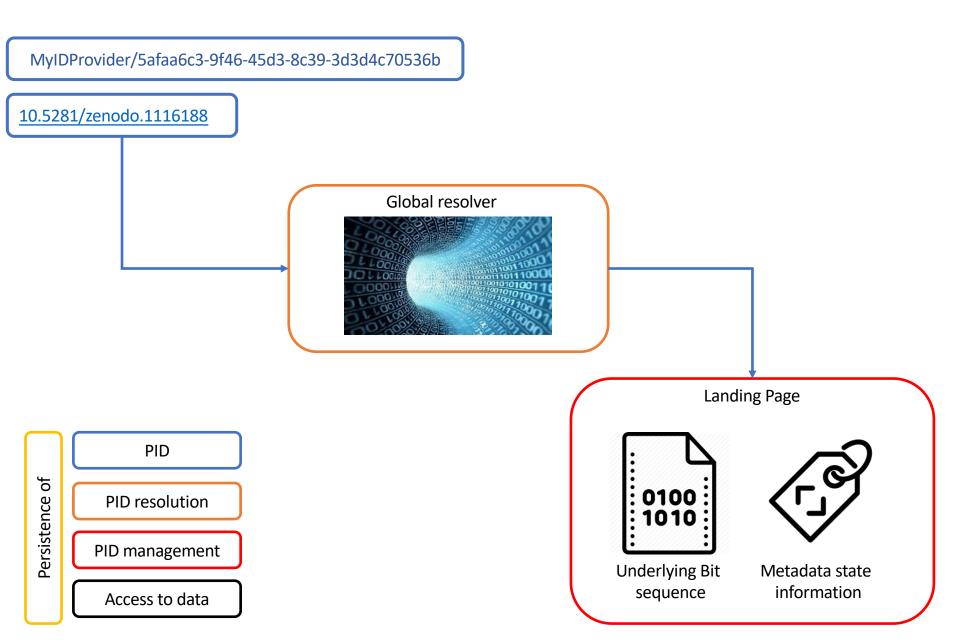
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### **Persistent (Resolvable) Identifiers**

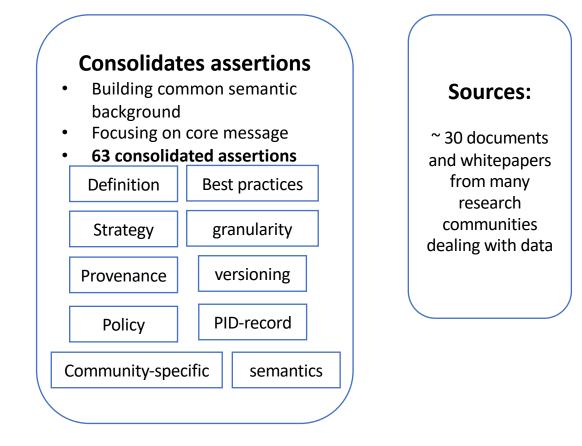


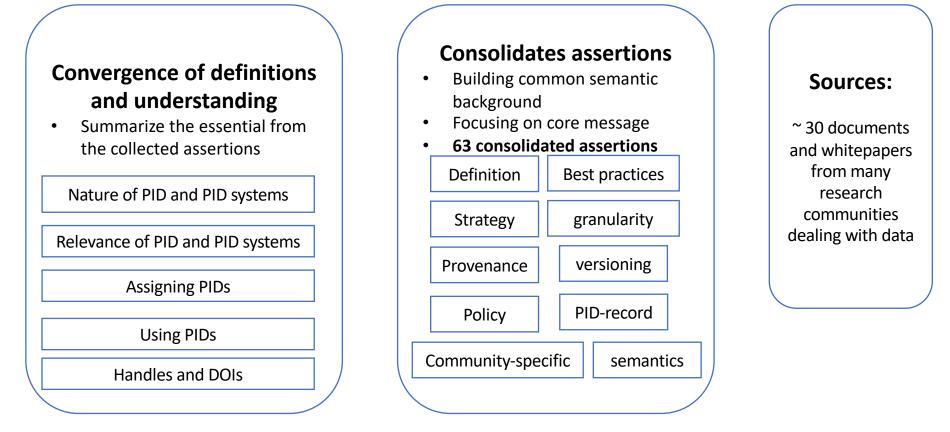
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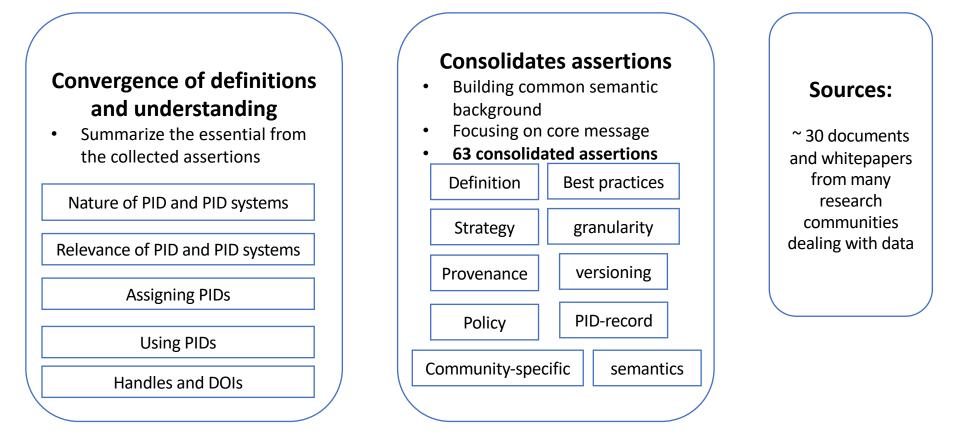




~ 30 documents and whitepapers from many research communities dealing with data



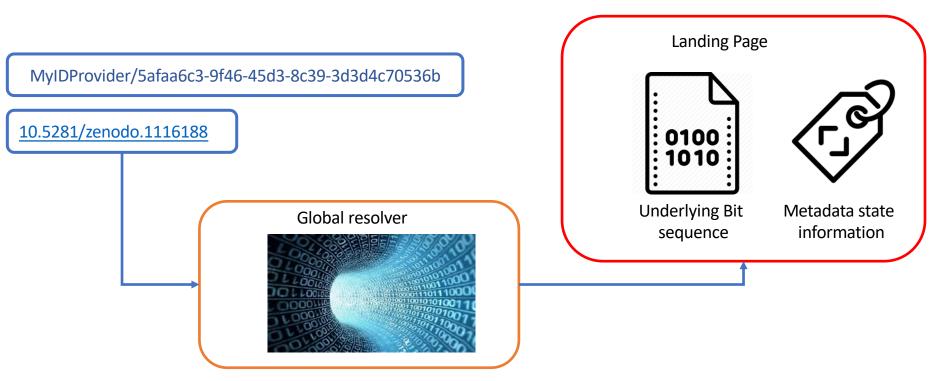




#### **Appendixes** :

- PIDs forms
- Use of semantics
- PID, landing pages
- Considerations around persistence

## **Example of assertion: PID definition**



#### PID-1. [RDA DFT 1.2] {definition}

A persistent identifier is a long-lasting ID represented by a string that uniquely identifies a DO and that is intended to be persistently resolved to meaningful state information about the identified DO.

In this document we are using the definition as given by the RDA DFT Core Term and Model<sup>10</sup> document. Note that in our context DO stands for digital object, which may be either a document, dataset, piece of software, a service or other similar non-physical entities, or the digital representation of an analogue entity, such as a device, a sample, a person or an organisation. Also see the PID-3 definition below, and Appendix 3, for an elaboration on "state information".

# **Conclusions and further works**

- PID work was the launch pad for the ongoing GEDE activities, which may seen as a natural extension
  - PID are strictly linked with Digital Object and FAIR-Digital Objects;
  - PID are used for citation, since we always need an anchor to refer to;
  - Repositories relies on PID and assure the proper PID administration and maintenance.

Data Fabric Interest Group	Data Fabric IG	
Group co-chairs: Jianhui Li, Tobias Weigel	<b>Status:</b> Recognised & Endorsed <b>Chair(s):</b> Jianhui Li, Tobias Weigel, Robert Quick	
Supporting Output title: Persistent identifiers: Consolidated assertions		
Editors: Peter Wittenburg, Margareta Hellström, and Carlo-Maria Zwölf	Public - accessible to all site users	
<b>Co-authors:</b> Hossein Abroshan, Ari Asmi, Giuseppe Di Bernardo, Danielle Couvreur, Tamas Gaizer, Petr Holub, Rob Hooft, Ingemar Häggström, Manfred Kohler, Dimitris Koureas, Wolfgang Kuchinke, Luciano Milanesi, Joseph Padfield, Antonio Rosato, Christine Staiger, Dieter van Uytvanck and Tobias Weigel	Join Grou	p
<b>DOI:</b> 10.15497/RDA00027	Index	Add new content
<b>Citation:</b> Peter Wittenburg, Margareta Hellström, and Carlo-Maria Zwölf (eds.), Hossein Abroshan, Ari Asmi, Giuseppe Di Bernardo, Danielle Couvreur, Tamas Gaizer, Petr Holub, Rob Hooft, Ingemar Häggström, Manfred Kohler, Dimitris Koureas, Wolfgang Kuchinke, Luciano Milanesi, Joseph Padfield, Antonio Rosato, Christine Staiger, Dieter van Uytvanck and Tobias Weigel (2017): Persistent identifiers: Consolidated assertions. DOI: 10.15497/RDA00027.	<ul> <li>E Group Wiki</li> <li>Group Mailing list Archive</li> </ul> Group sessions at RDA Plenaries	
Summary:	Governance and Implementation of the Intelligent Data Fabric By Tobias Weigel On 26, Jun 2019	
Experts from 47 European research infrastructure initiatives and ERICs have agreed on a set of assertions about the nature, the creation and the usage of Persistent Identifiers (PIDs). This work was done in close synchronisation with the RDA Data Fabric Interest Group (DFIG) ensuring a global validation of the assertions.		
The intention of this cross-disciplinary report is to overcome still existing confusions about PIDs and the lack of detail knowledge in many disciplines. It is not meant to produce yet another comprehensive document on PIDs, but to identify agreements across documents that have been suggested to be included by experts. With this document GEDE is happy to help demystify PIDs, overcome confusion and create bridges between the various disciplination.	Case S	tatement
disciplines.	Data Fabric IG Case Statement 02 July 2014	

Comments 2

#### Supporting Output file: