eosc | FAIRCORE4EOSC
Core Components Supporting a FAIR EOSC

Data Type Registry

Machine actionable standardized metadata

Hans Lienhop (GWDG), 14.05.2024

Funded by
the European Union

The Data Type Registry 

Why?

- Promote interoperability of data
  - Parse, understand and reuse data created by others

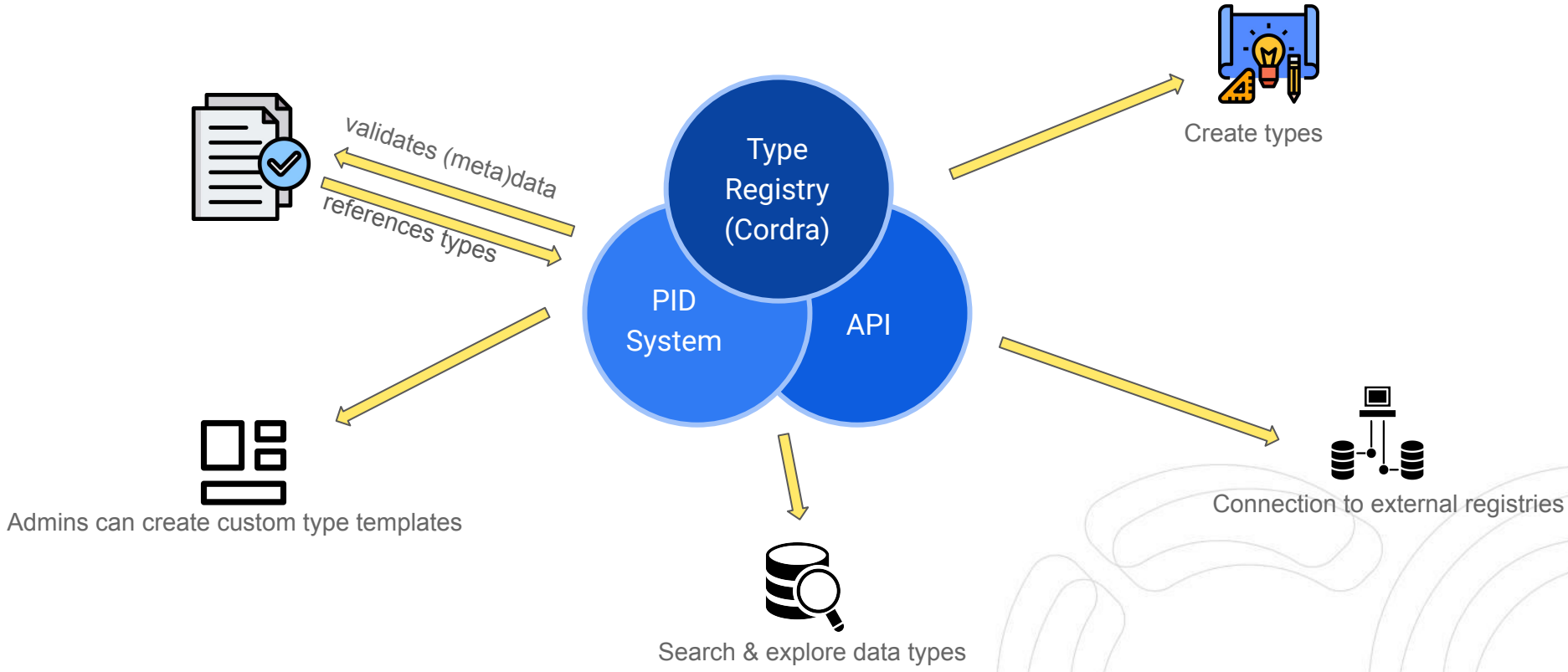
- Issue is mostly solved at the container level

- On a more detailed level, ambiguities can arise

-> Allow data creators to record implicit assumptions for interoperability among data sources

The Data Type Registry

How?



Schema Elements

- In the DTR, Types are JSON Objects. Goal: Describe a Schema Element as an Object.

-> Enrich the metadata as types with additional information in the DTR

BasicInfoType	InfoType
String	Object
Number	Array
Boolean	Tuple

Schema Elements

- In the DTR, Types are JSON Objects. Goal: Describe a Schema Element as an Object.

  -> Enrich the metadata as types with additional information in the DTR

Relevant Links

- The DTR Beta Instance: https://typeregistry.lab.pidconsortium.net/
- The TypeAPI Beta Instance: https://typeapi.lab.pidconsortium.net/
- Beta Release Demo Video: **https://youtu.be/6u6UzUnUCsQ**
- General Information: https://faircore4eosc.eu/eosc-core-components/eosc-data-type-registry-dtr