

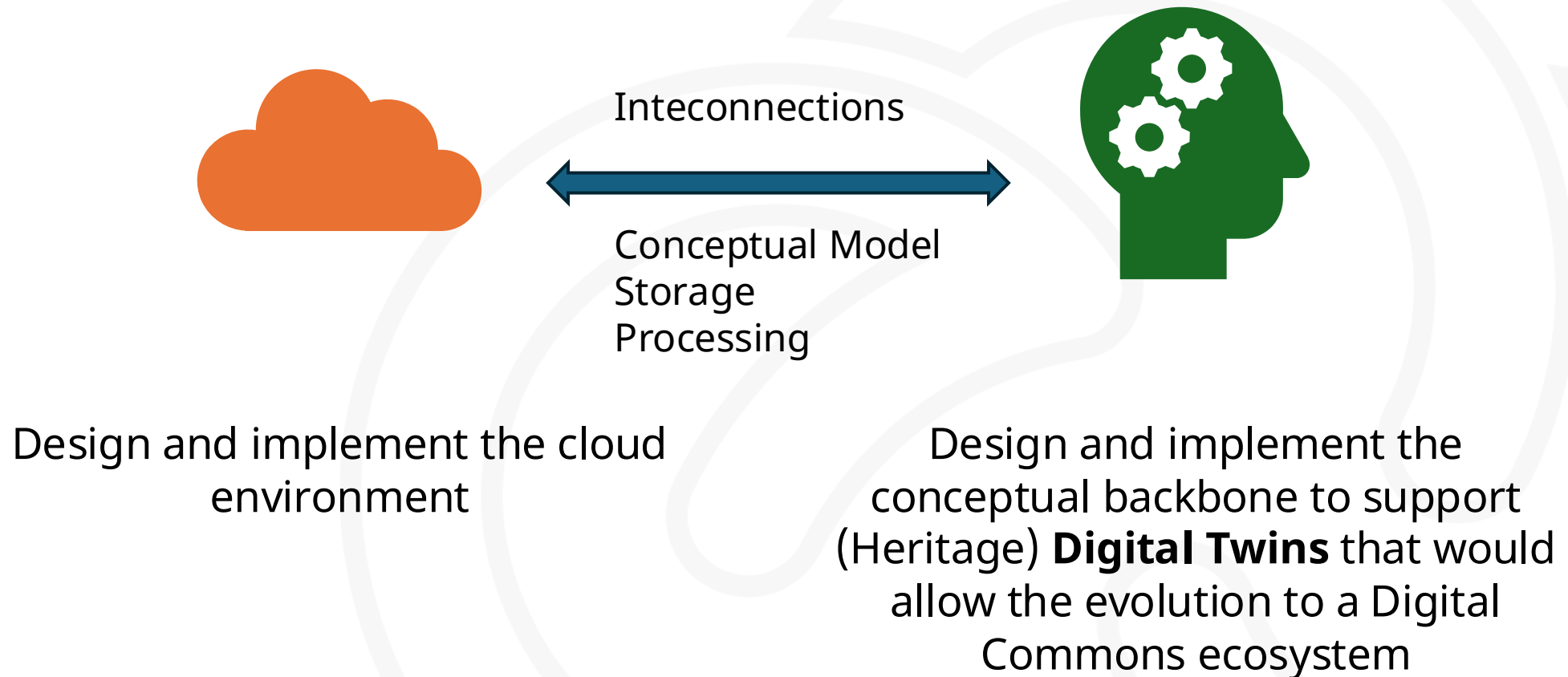
Sketching the future Cloud infrastructure

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Technical and Conceptual Backbone



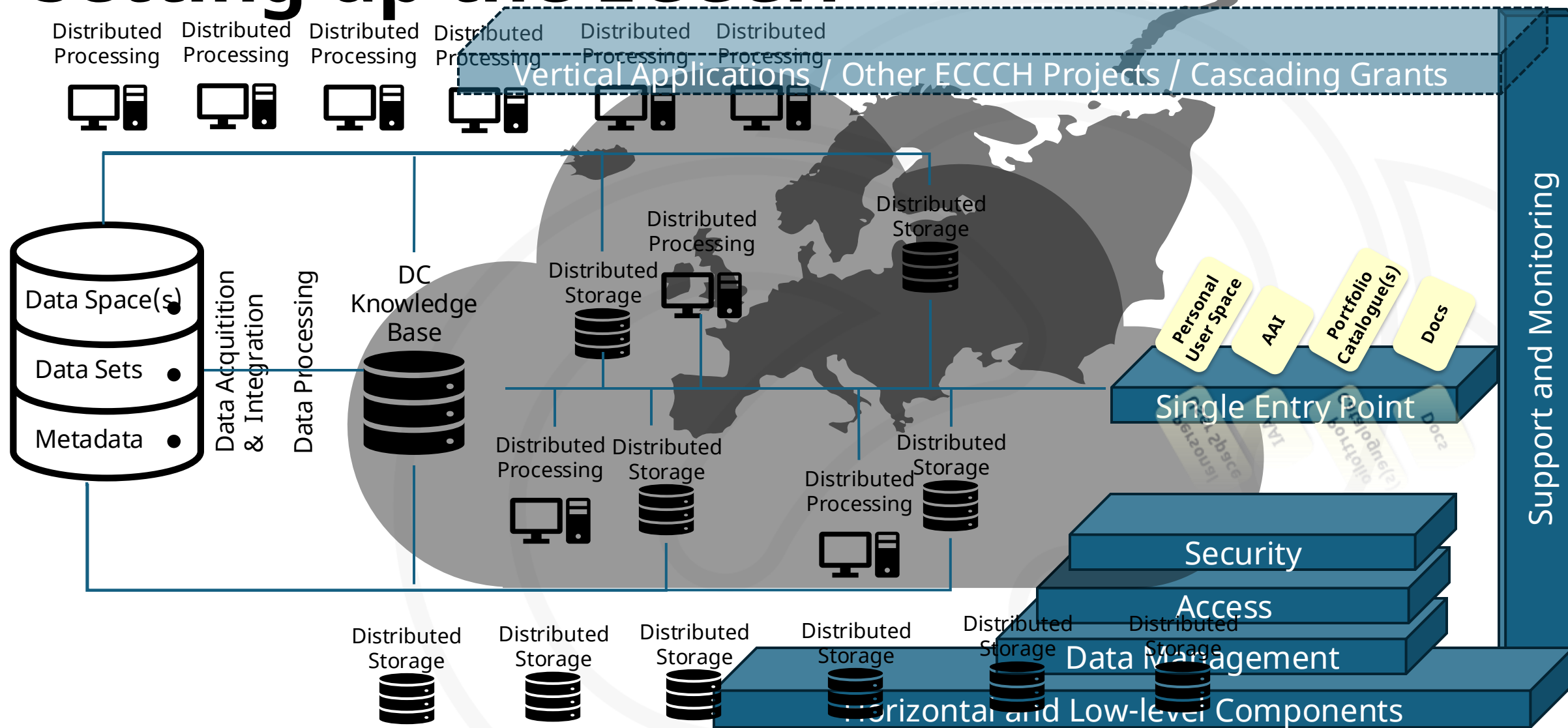
Heritage Digital Twin

Digital Commons

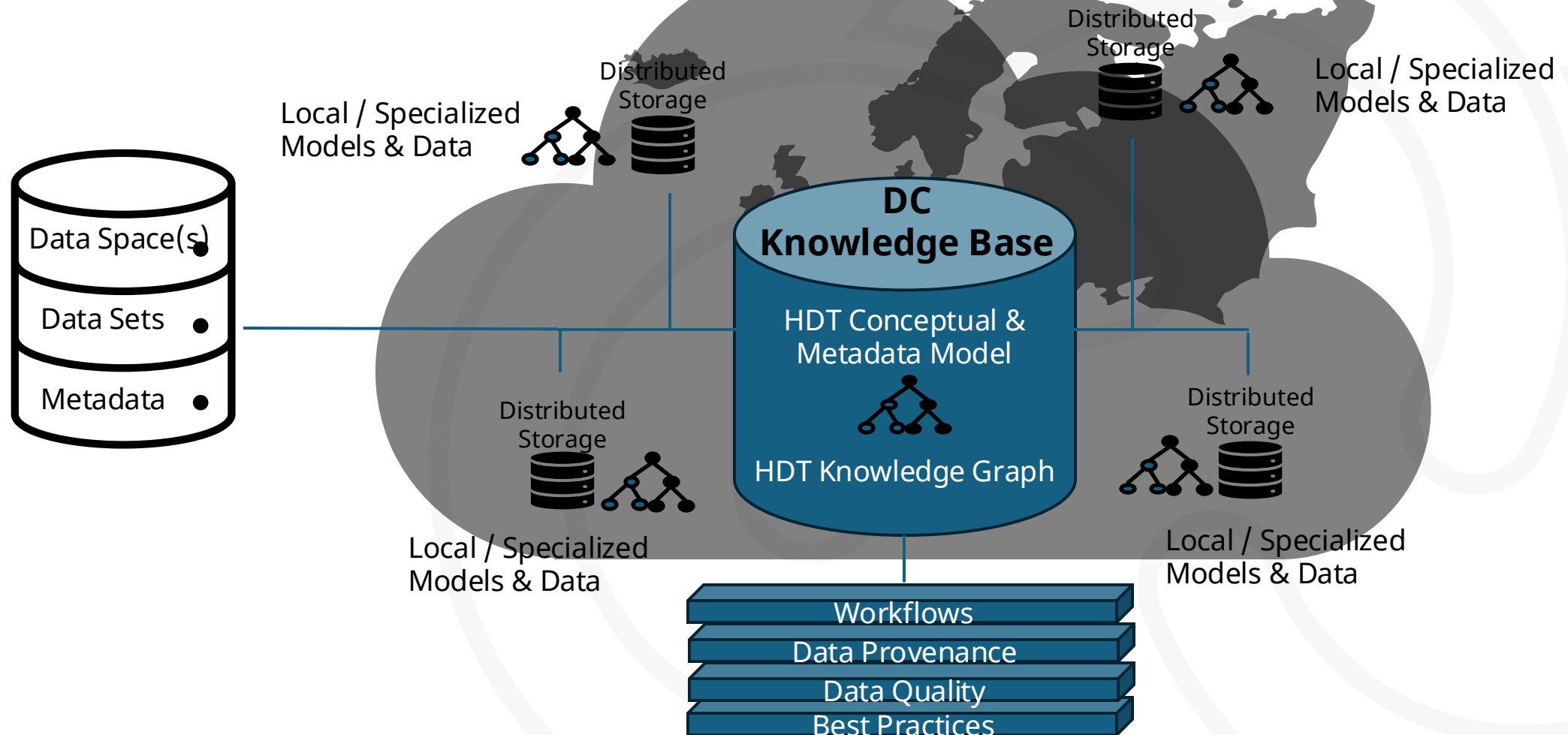
Digital Continuum

- **Heritage Digital Twin:** The state-of-the-art of digital information about a real-world heritage asset, with its tangible and intangible components, describing its properties and capturing its space-time-culture identity, formally organized in a semantic framework and described by the CRM - based ontology (HDTO).
- **Digital Commons:** "...holistic social institutions for governing the (re)production of (digital) resources, addressed here as data, information, culture and knowledge, created and/or maintained online and articulated through interrelated legal, socio-cultural, economic and institutional dimensions...".
- **Digital Continuum:** The ability to maintain digital information in such a way that it will continue to be available, as needed, despite changes in digital technologies making sure that it is complete, available and usable. Activities include information management and risk assessment, and managing technical environments, including file format conversion, long-term preservation, etc.

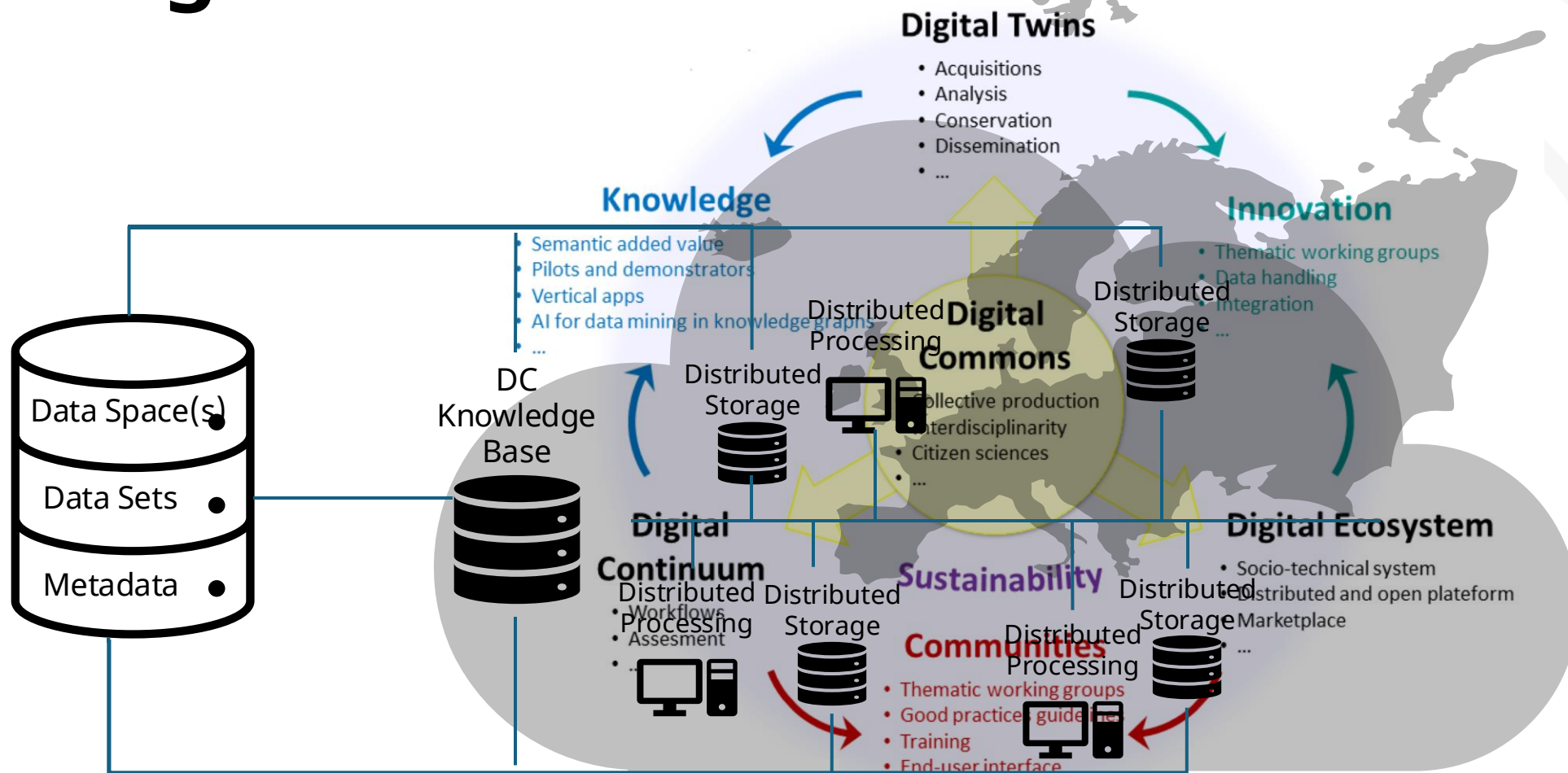
Setting up the ECCCH



Digital Commons Knowledge Base



Digital Twins – Digital Commons – Digital Continuum



Technical Infrastructure first steps

Building a solid technical/cloud and conceptual base for ECHOES and ECCCH

Component / API based infrastructure

- Allow for different levels of integration
- Allow for data / application / infrastructure level integration

Heritage Digital Twin Ontology

- Base conceptual model allowing for the description of Digital Twins along with their extended information
- Modular
- Extensible

Single Entry Point

- Including catalogue(s) of data, applications, services, ...

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