AUSSDA
AUSTRIAN SOCIAL SCIENCE DATA ARCHIVE

Data Culture & FAIR Data: AUSSDA – The Austrian Social Science Data Archive

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#AUSSDA @TheAUSSDA

Vienna, 30.10.2018

Presentation at “The European Open Science Cloud: Austria takes initiative”

Outline

- How does the work of a national service provider fit in EOSC?
- Data Culture: Our approaches to openness
- FAIR Data: Turning principles into practice

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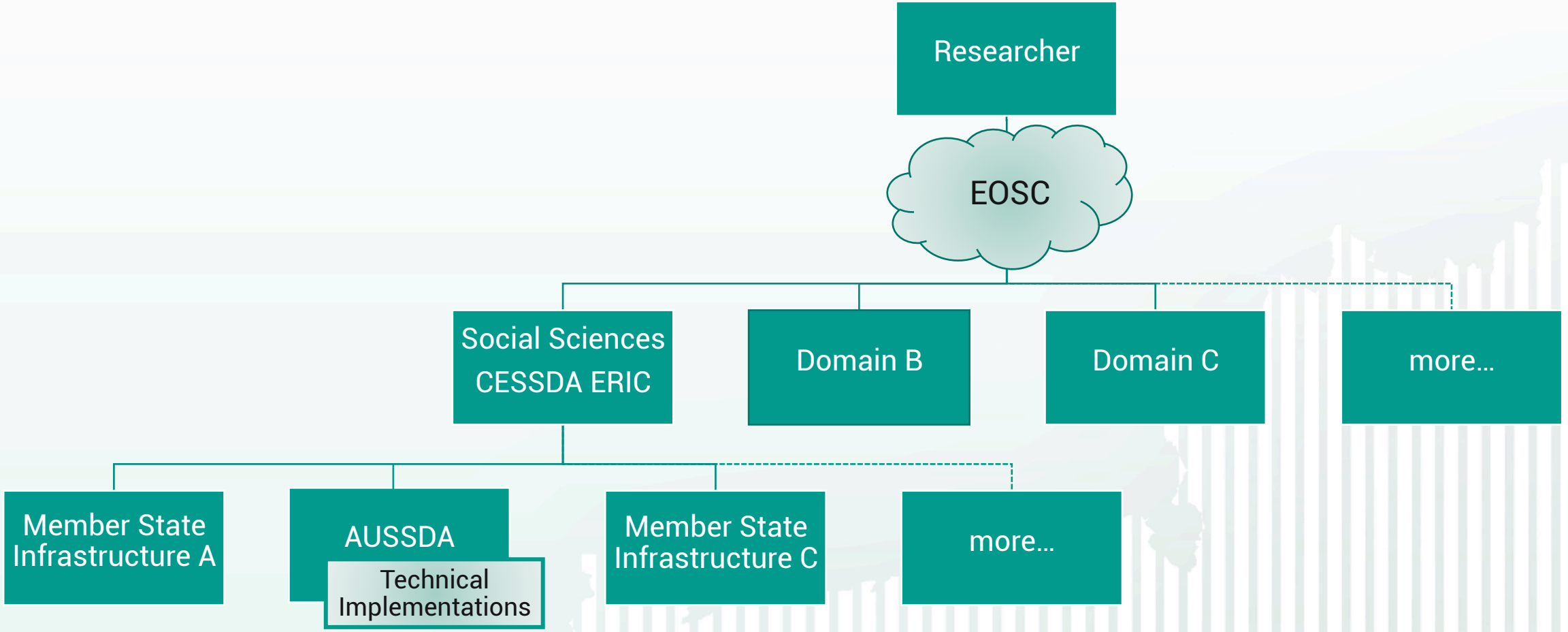
AUSTRIAN SOCIAL SCIENCE DATA ARCHIVE

Our mission

"We make social science data accessible, creating opportunities for research and data reuse, benefitting science and society."

Have data? Need data? | www.aussda.at

The EOSC federated model approach



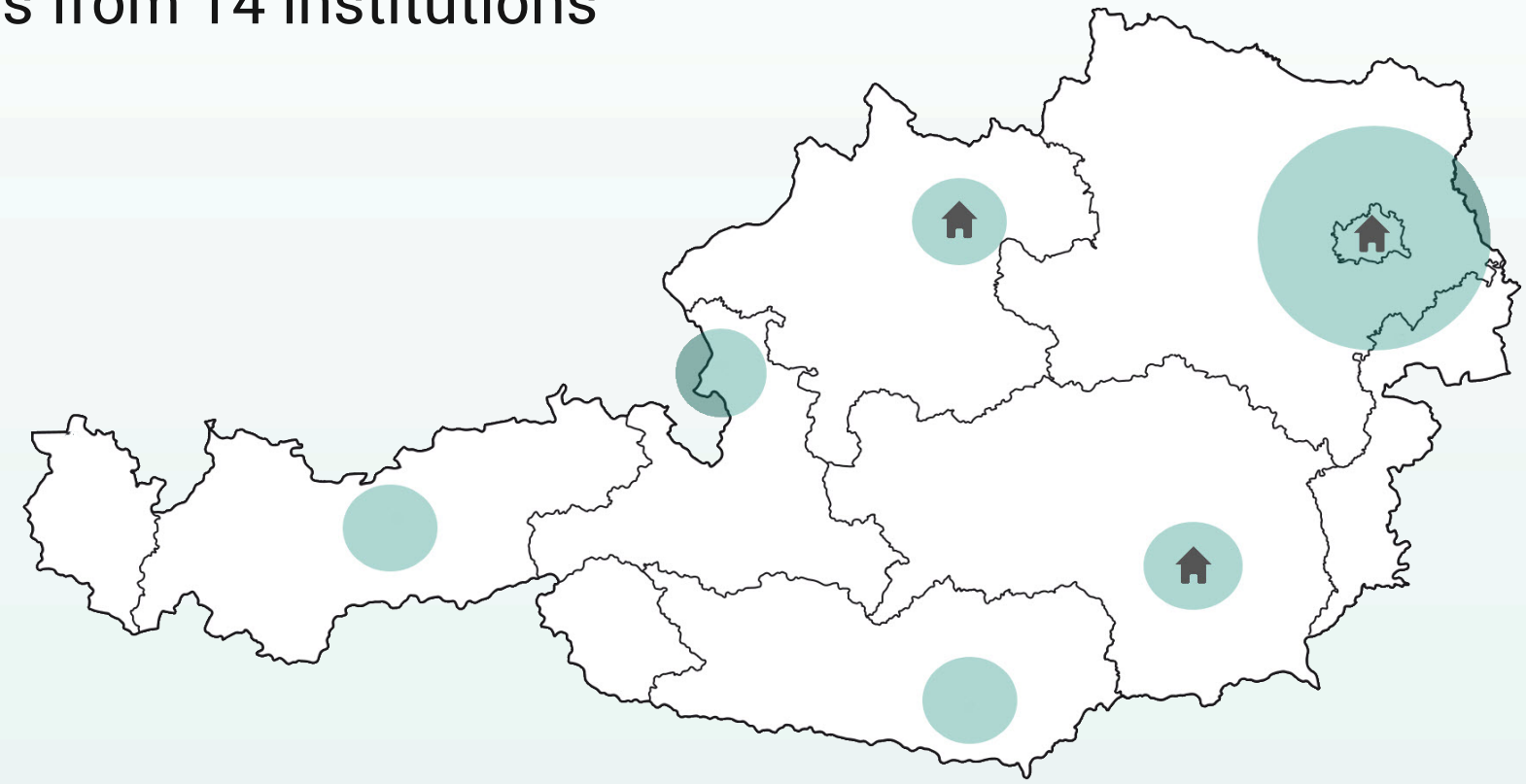
Governance: The Consortium of European Social Science Data Archives (CESSDA ERIC)

AUSSDA international advisory board

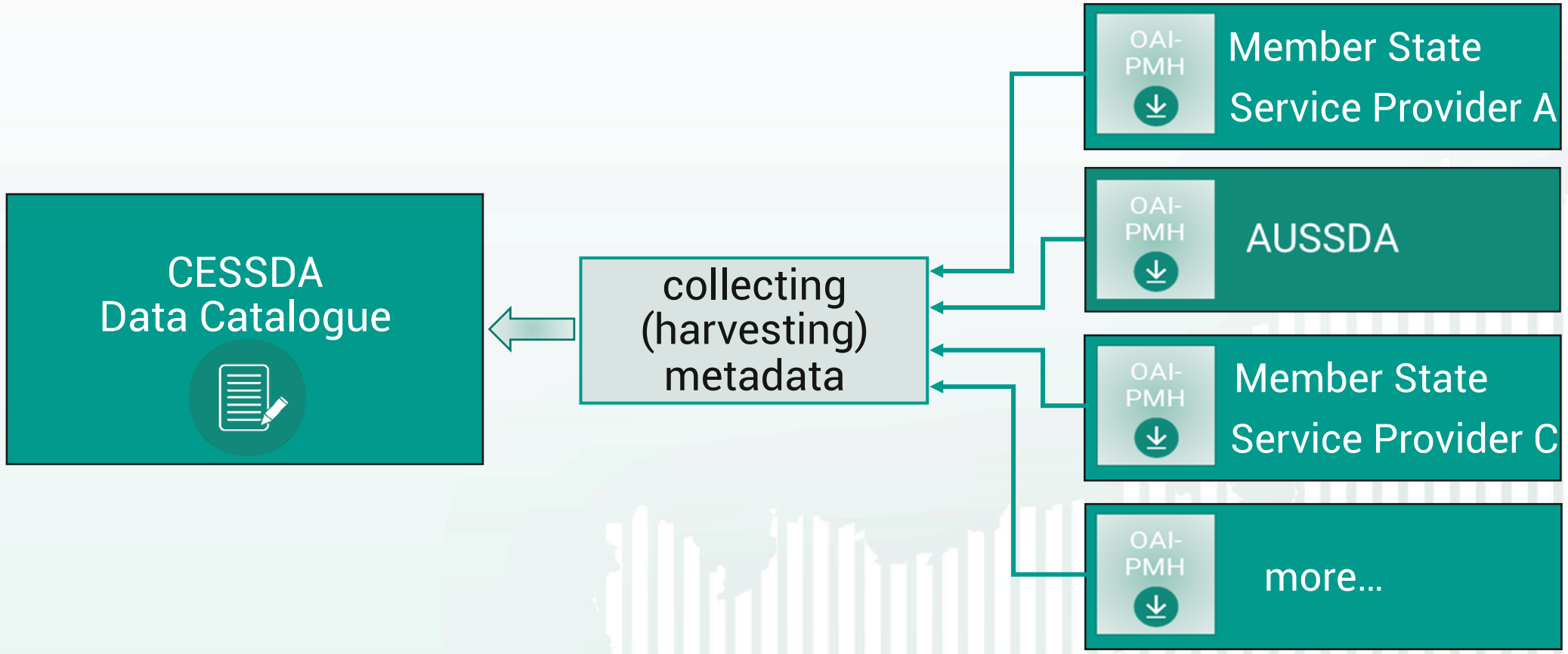
- ADP in Slovenia
- CSDA in the Czech Republic
- DANS in the Netherlands
- FORS in Switzerland
- GESIS in Germany
- NSD in Norway
- UK Data Service
- …

AUSSDA governance at the national level

- Three locations - in Vienna, Linz and Graz
- National board members from 14 institutions (incl. funding agencies)



Service: CESSDA Data Catalogue



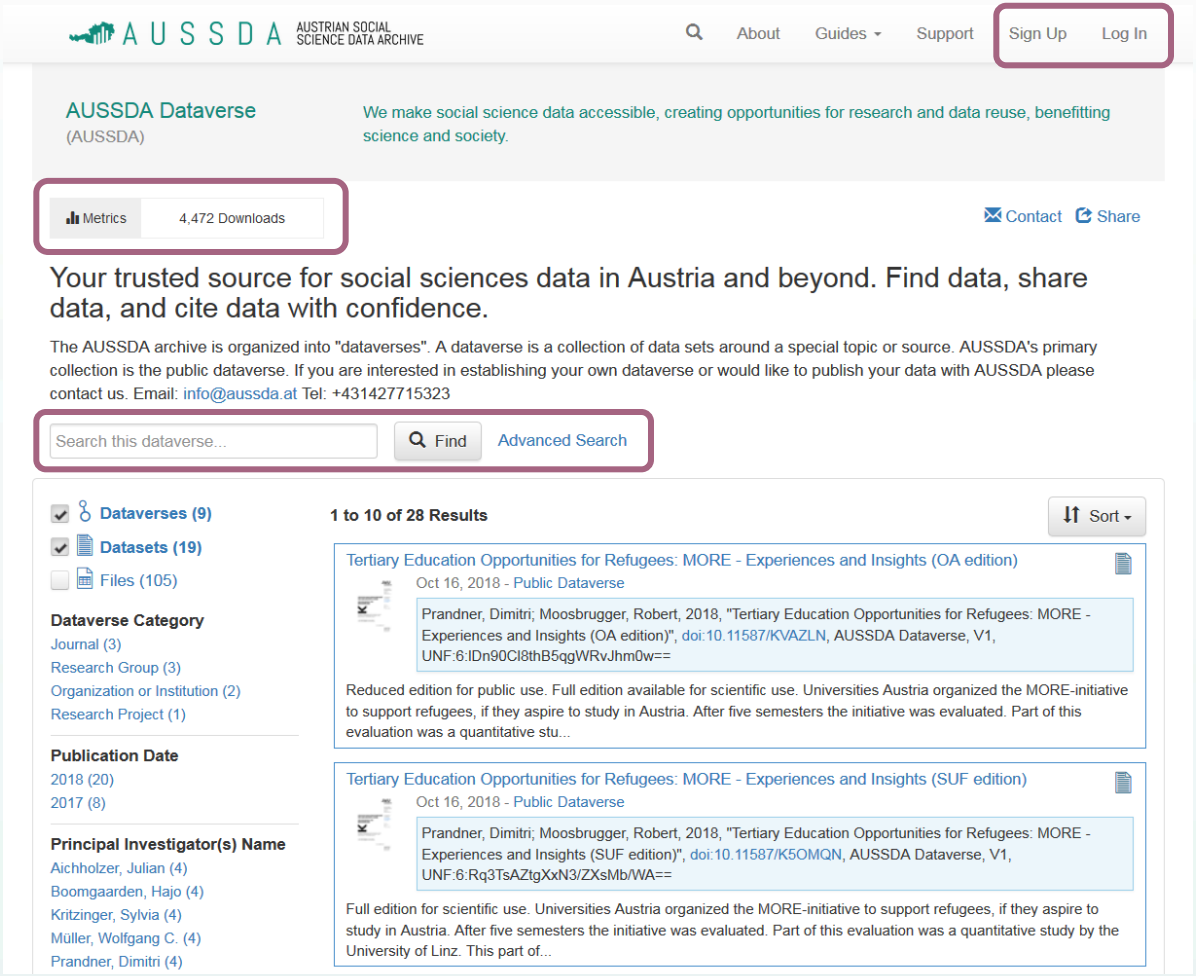
Service: DataverseEU

- CESSDA ERIC develops a cloud-based service to share and archive data.
- Based on The Dataverse Project, Open source research data repository software, https://dataverse.org/
- Investment to meet needs in Europe
  - Multi-language support
  - CESSDA ERIC metadata schema for the social sciences
  - Support for different types of persistent identifiers (PID, e.g., DOI via Datacite)
  - …

Service: digital repository AUSSDA Dataverse

View downloads

Search with English terms



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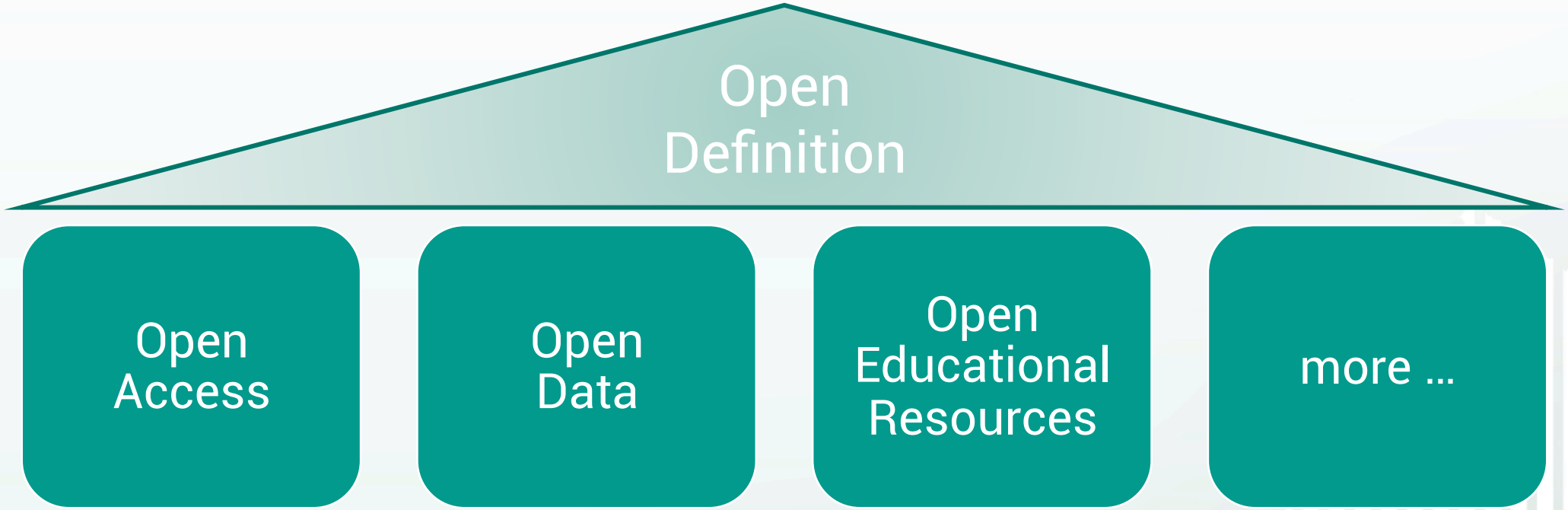
Data Culture:
Our approaches to openness

Open Definition 2.1 is a useful reference



Open access is the preferred model for metadata and documentation

- Metadata is dedicated to the public domain (CC0)
- Documentation about data sets can be published under a Creative Commons Attribution International 4.0 License (CC BY)
  - Methodological report
  - Questionnaire
  - Codebook
  - Other supplemental material

Open data: We need different licenses matching different needs to maximize reuse

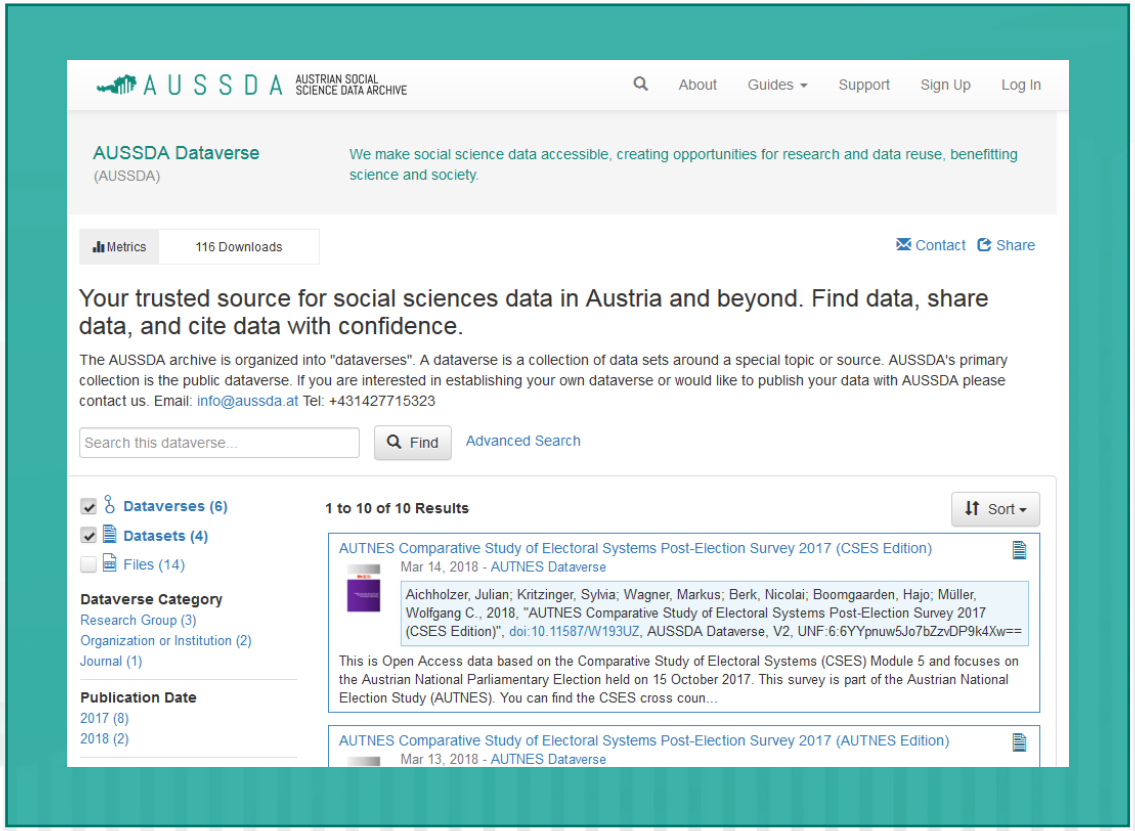
- Open Access is available for data published under a Creative Commons Attribution International 4.0 License (CC BY)
- Restricted Access is available for data that require restricted use models, e.g., scientific use only (cf. GDPR)

- Delayed publication (embargo period) is possible under both models
- Contracts with special conditions on reuse are also possible

Open Educational Resources
Pilot projects in teaching 2018

- Data analyses
  - At the institutes for sociology at JKU and University of Graz
  - At the faculty for sociology and political science at the University of Innsbruck
  - In communication science at the University of Salzburg

- Information behavior, trust in media, politics in Austria



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FAIR Data: Turning principles into practice

Two examples

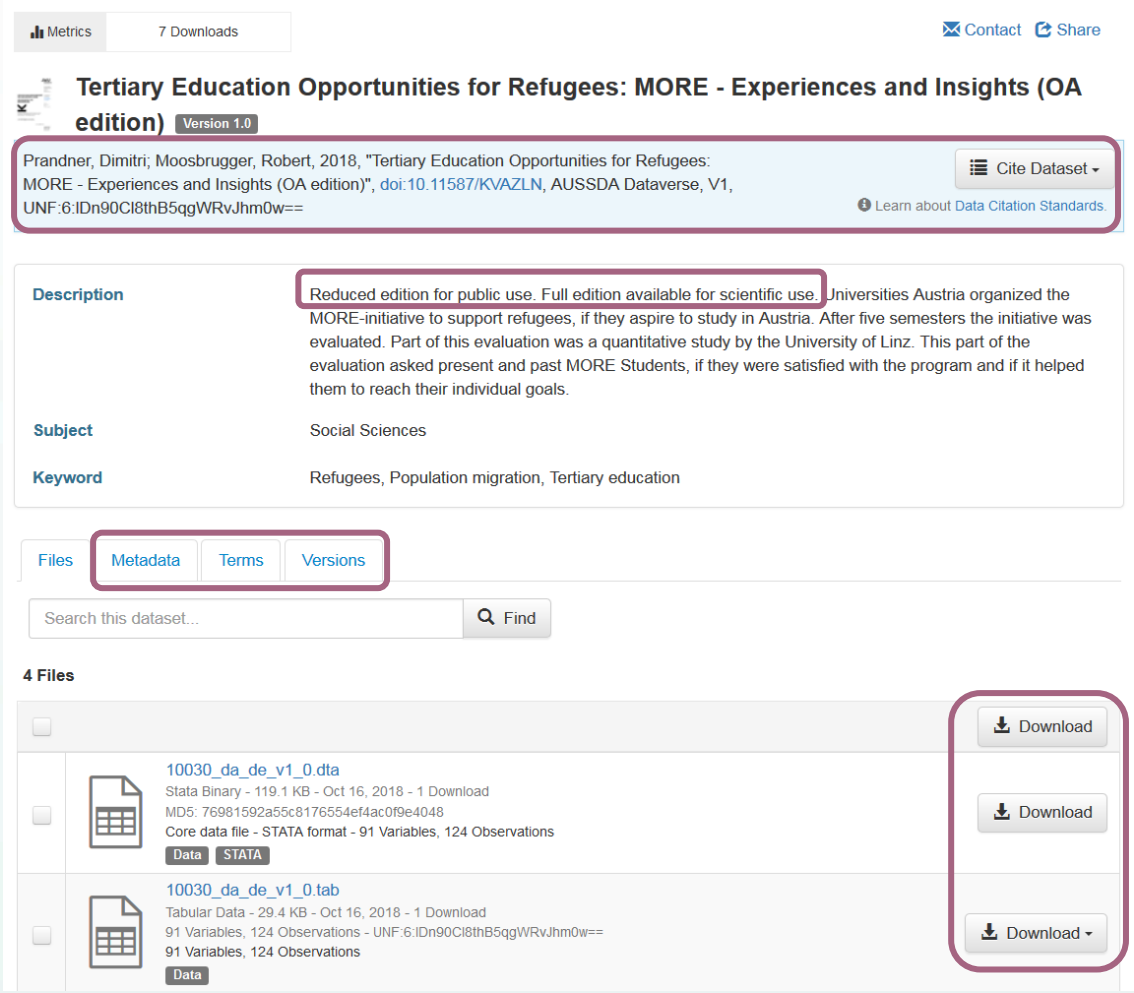
Findable

- **F1**. (Meta)data are assigned a globally unique and persistent identifier
- **F2**. Data are described with rich metadata
- **F3**. Metadata clearly and explicitly include the identifier of the data they describe
- **F4**. (Meta)data are registered or indexed in a searchable resource

Some answers to findability

doi as part of metadata
F1, F3

Metadata with specifics about survey research
F2



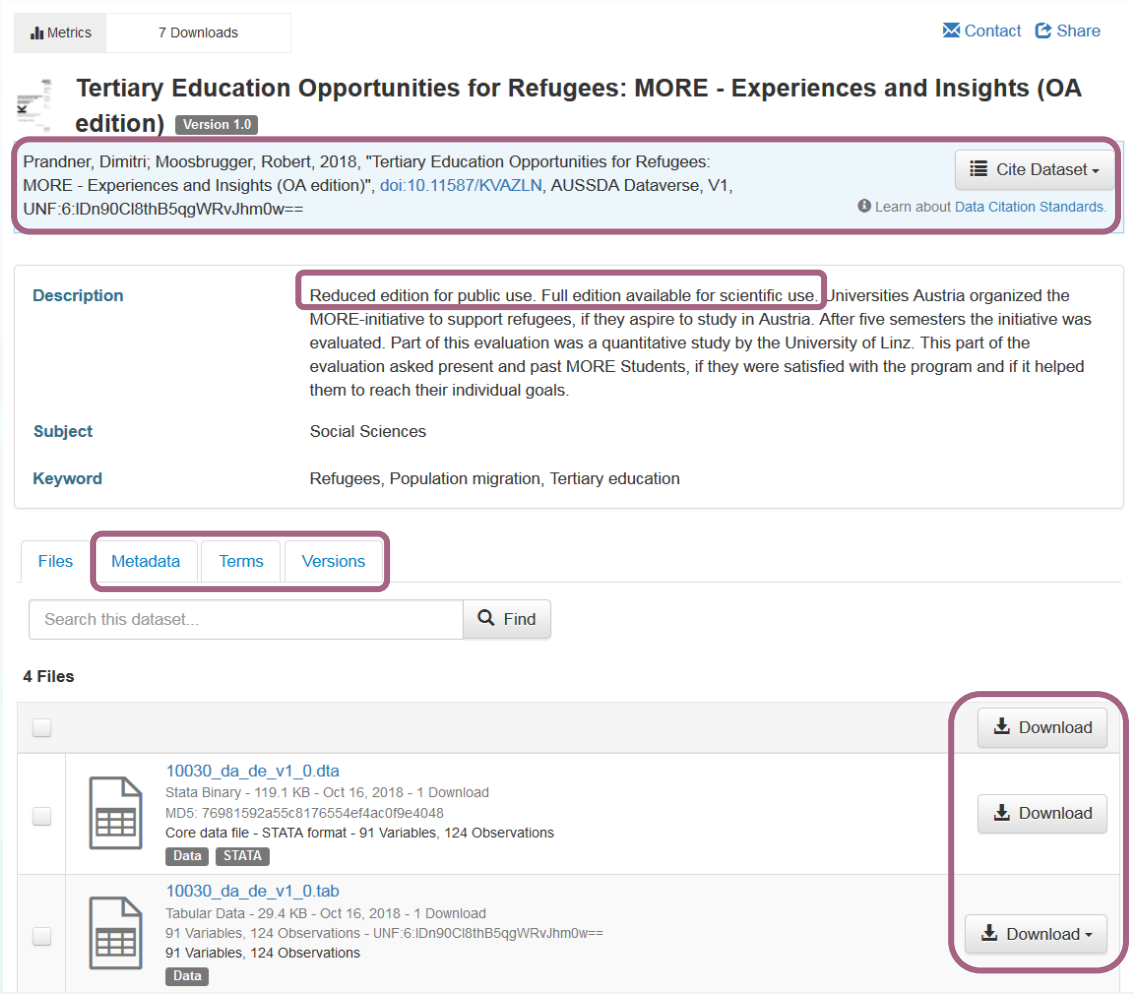
OAI-PMH server allows harvesting of metadata. Website has Solr search.
F4

Reusable

- **R1**. Meta(data) are richly described with a plurality of accurate and relevant attributes
- **R1.1**. (Meta)data are released with a clear and accessible data usage license
- **R1.2**. (Meta)data are associated with detailed provenance
- **R1.3**. (Meta)data meet domain-relevant community standards

Some answers to reusability

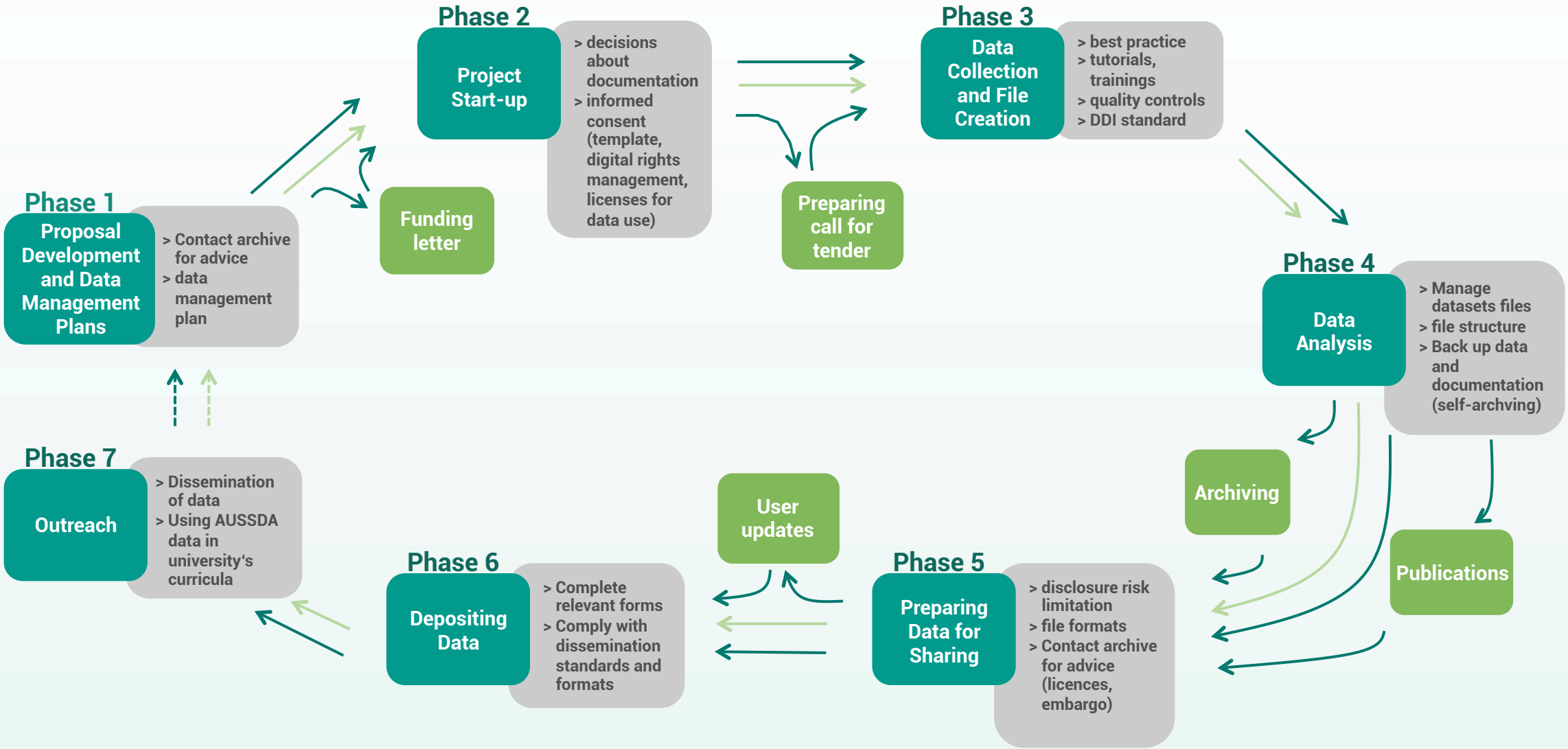
How to cite
& methods reports
R1.2



Use of CESSDA metadata model relevant to the social sciences
R1, R1.3

License terms for all files
Metadata marked as CC0
R1.1

Use of controlled vocabularies in metadata



Source: Adapted from ICPSR Data Life Cycle

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Thank you.

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AUSSDA in German: https://youtu.be/Y_lKvkCUHuU
AUSSDA in English: https://youtu.be/Ymky27wVGsI

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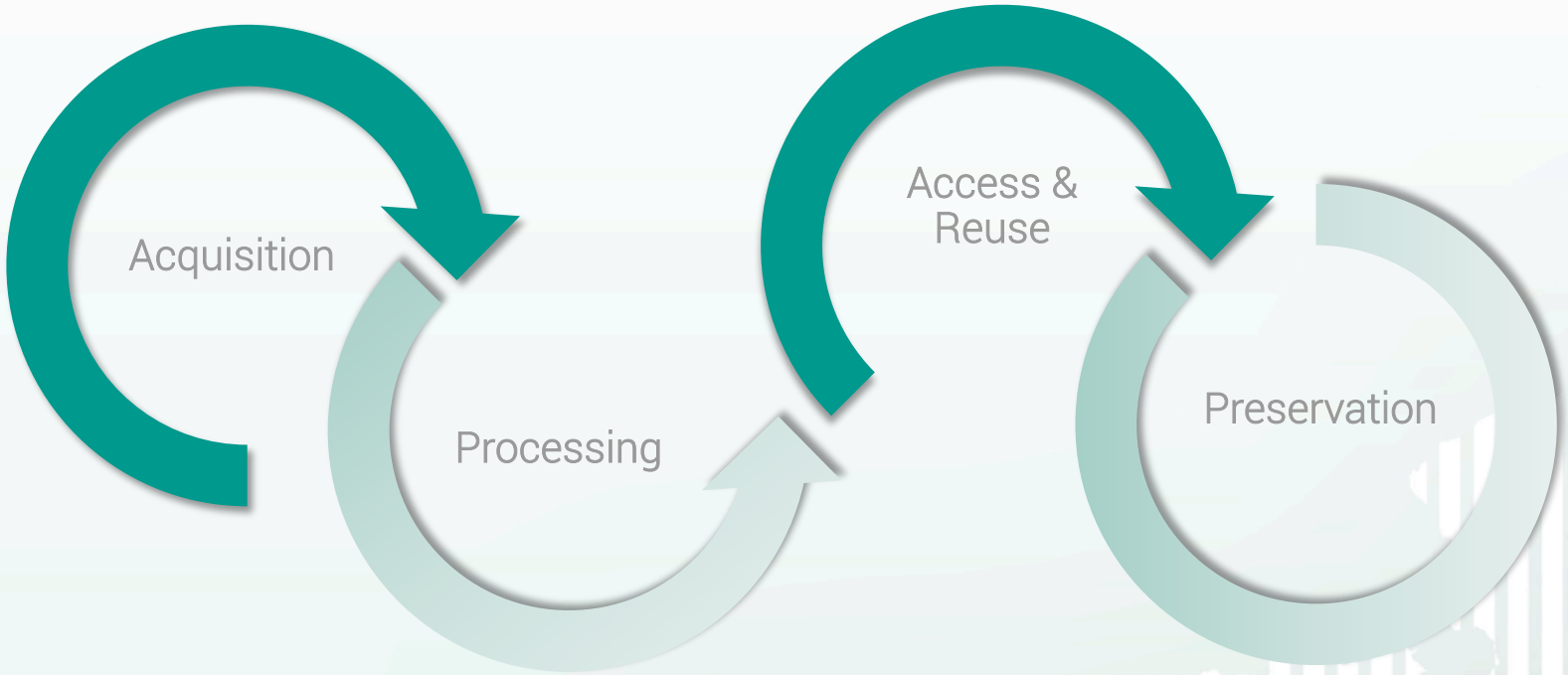
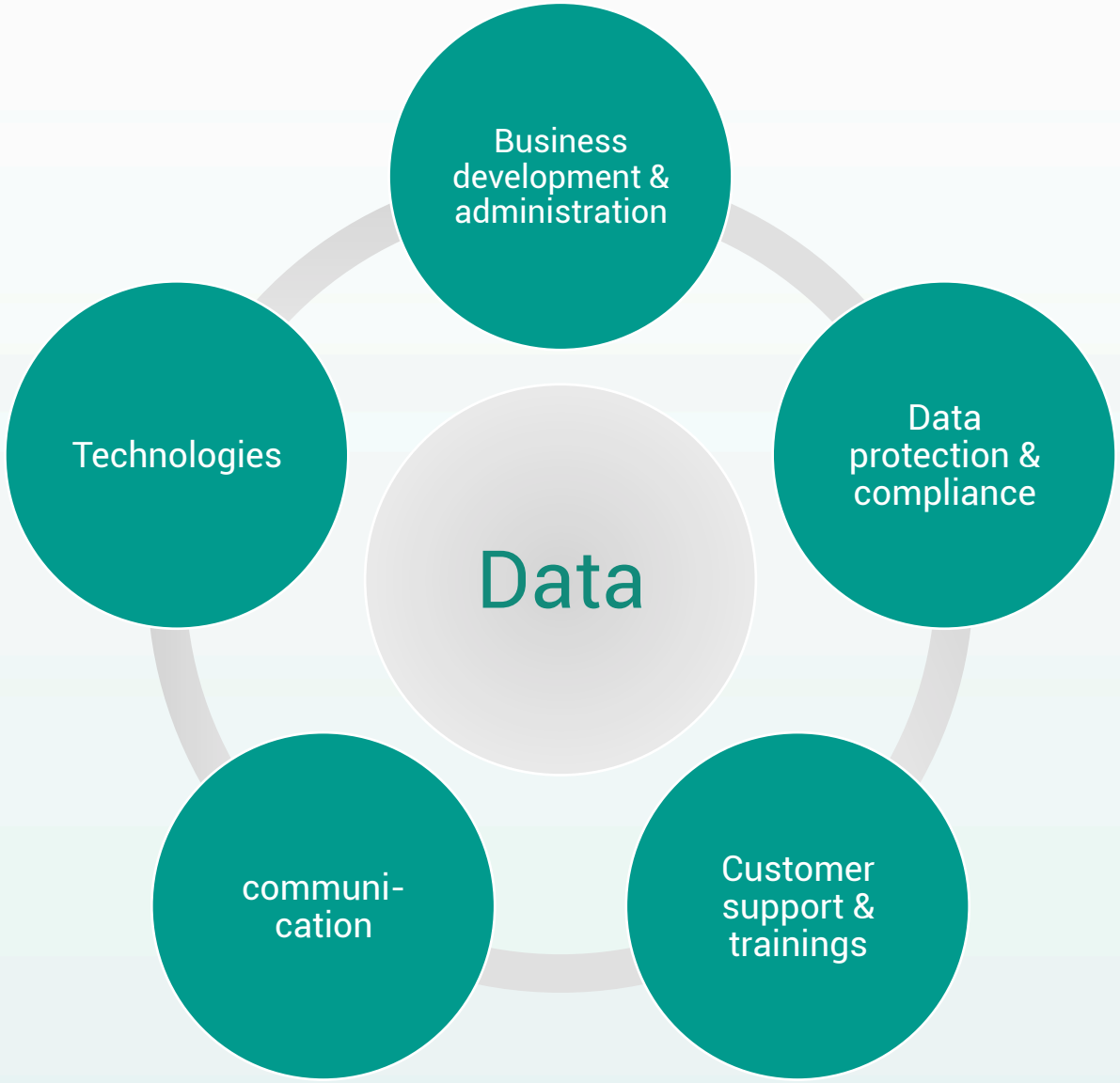
From data in to data out

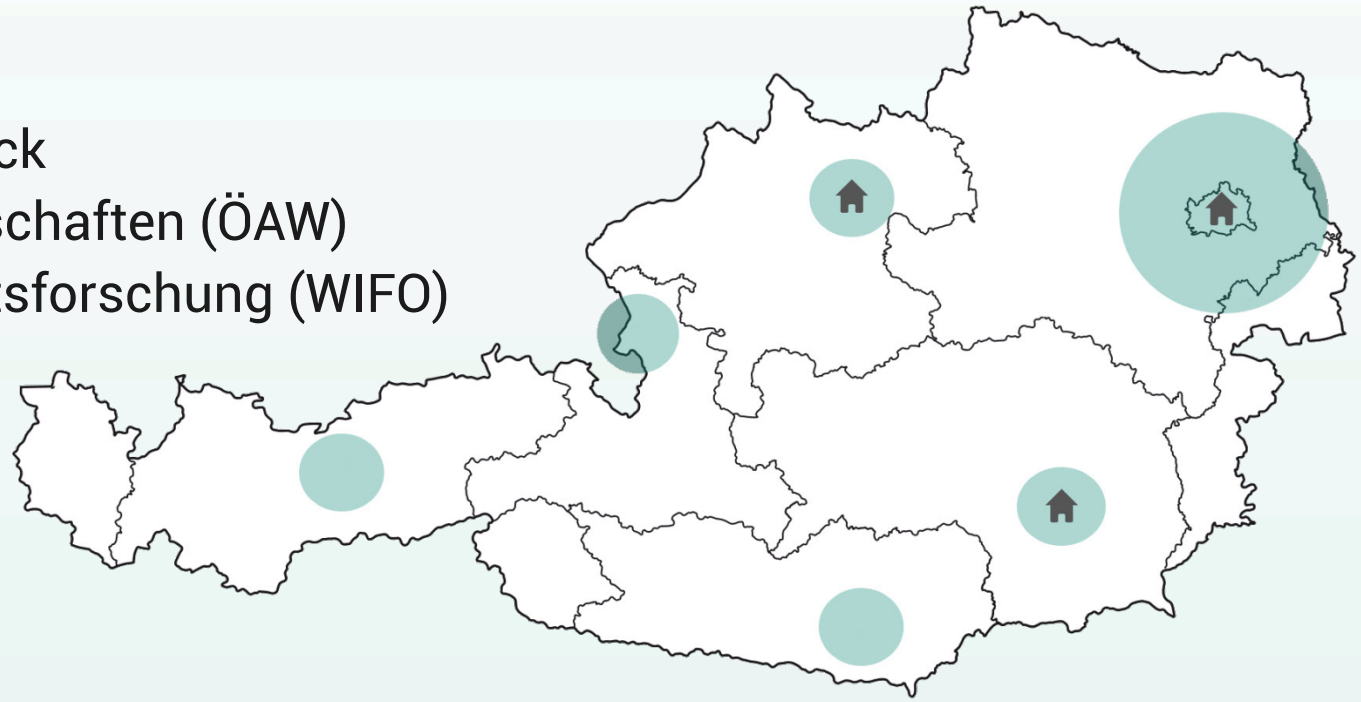


Support structure



AUSSDA is currently focusing on the following target groups

Other target groups can be addressed in projects, e.g., citizen science

A wide network of support in Austria

- Alpen-Adria-Universität Klagenfurt
- Bundesministerium für Wissenschaft, Forschung und Wirtschaft (BMWFW)
- Forschungsförderungsgesellschaft (FFG)
- Institut für Höhere Studien (IHS)
- Johannes Kepler Universität Linz
- Karl-Franzens-Universität Graz
- Leopold-Franzens-Universität Innsbruck
- Österreichische Akademie der Wissenschaften (ÖAW)
- Österreichisches Institut für Wirtschaftsforschung (WIFO)
- Paris-Lodron-Universität Salzburg
- Statistik Austria
- Universität Wien
- Wirtschaftsuniversität Wien
- Wissenschaftsfonds (FWF)