

Towards Metadata management with SDMX and DDI for the Integrated Microdata Analysis System IMIDIAS

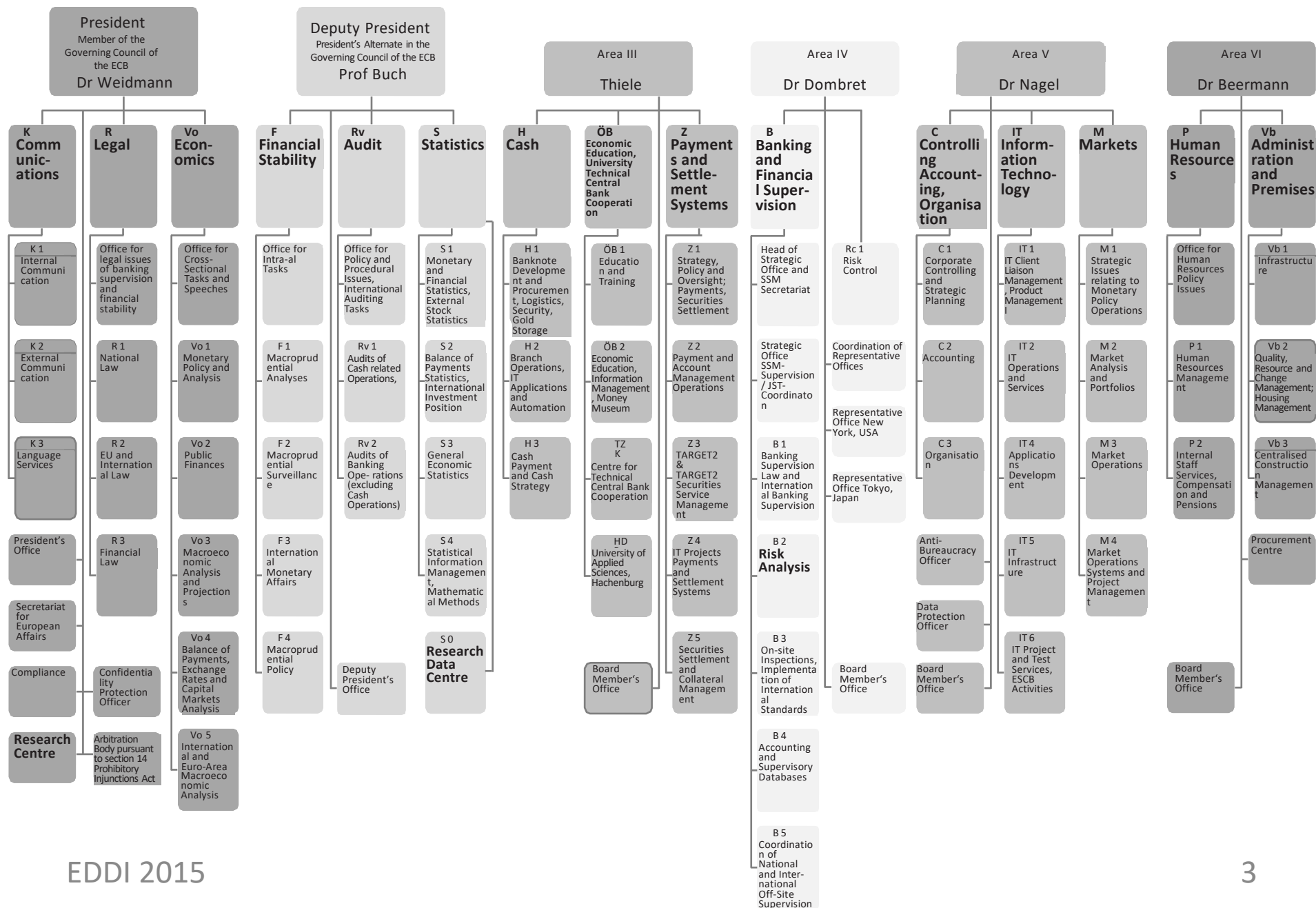
Anja Treffs, Christopher-Johannes Schild

Questions

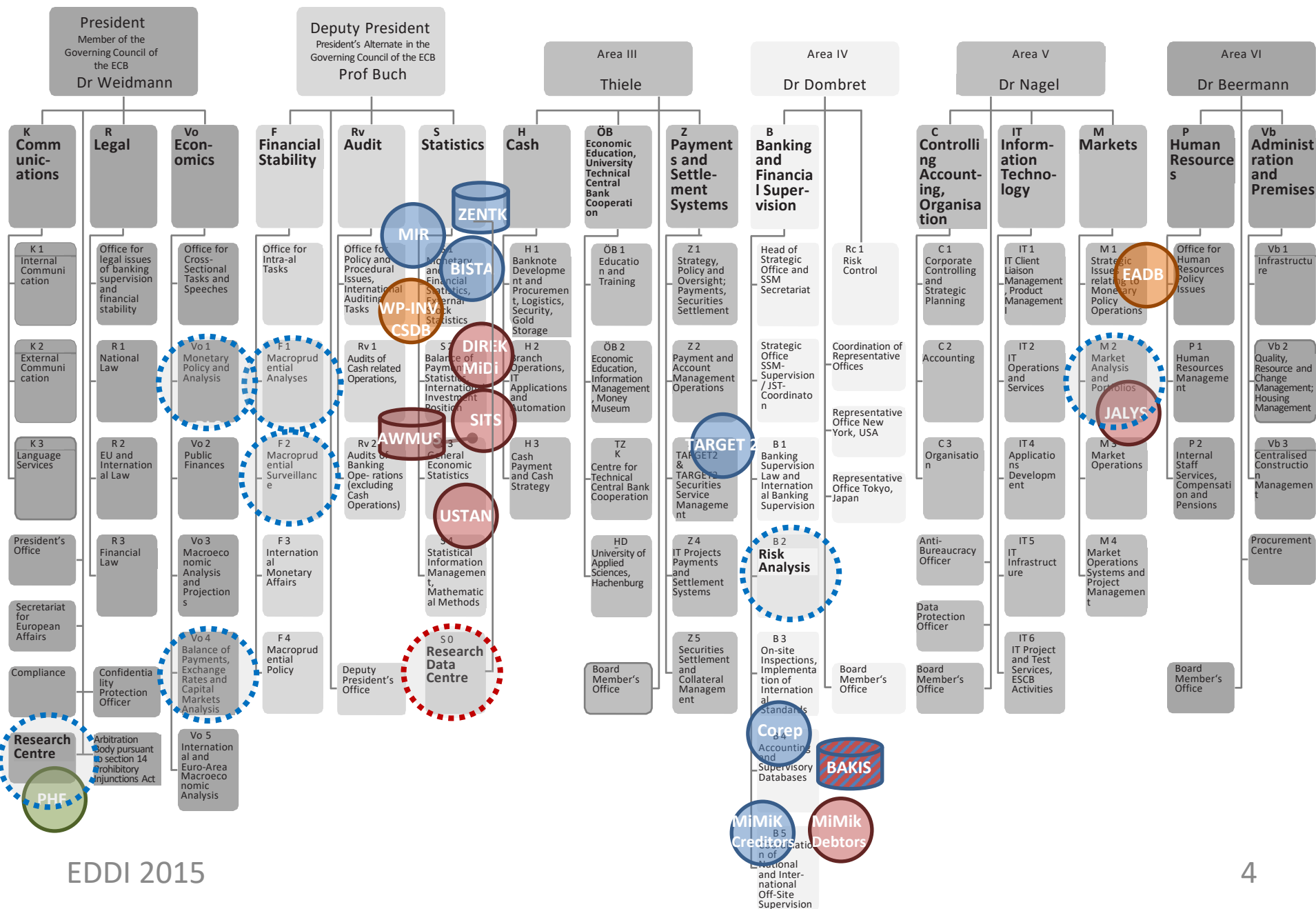
1. How did we previously handle metadata?
2. What kind of infrastructure do we need?
3. How do we get there?

Metadata Team of 6

Central Office of the German Central Bank – Organisation



Dispersed, disintegrated Microdata



Status quo: Metadata for **Macro** Data

Publishing Layer
GSBPM Phase 8
Research

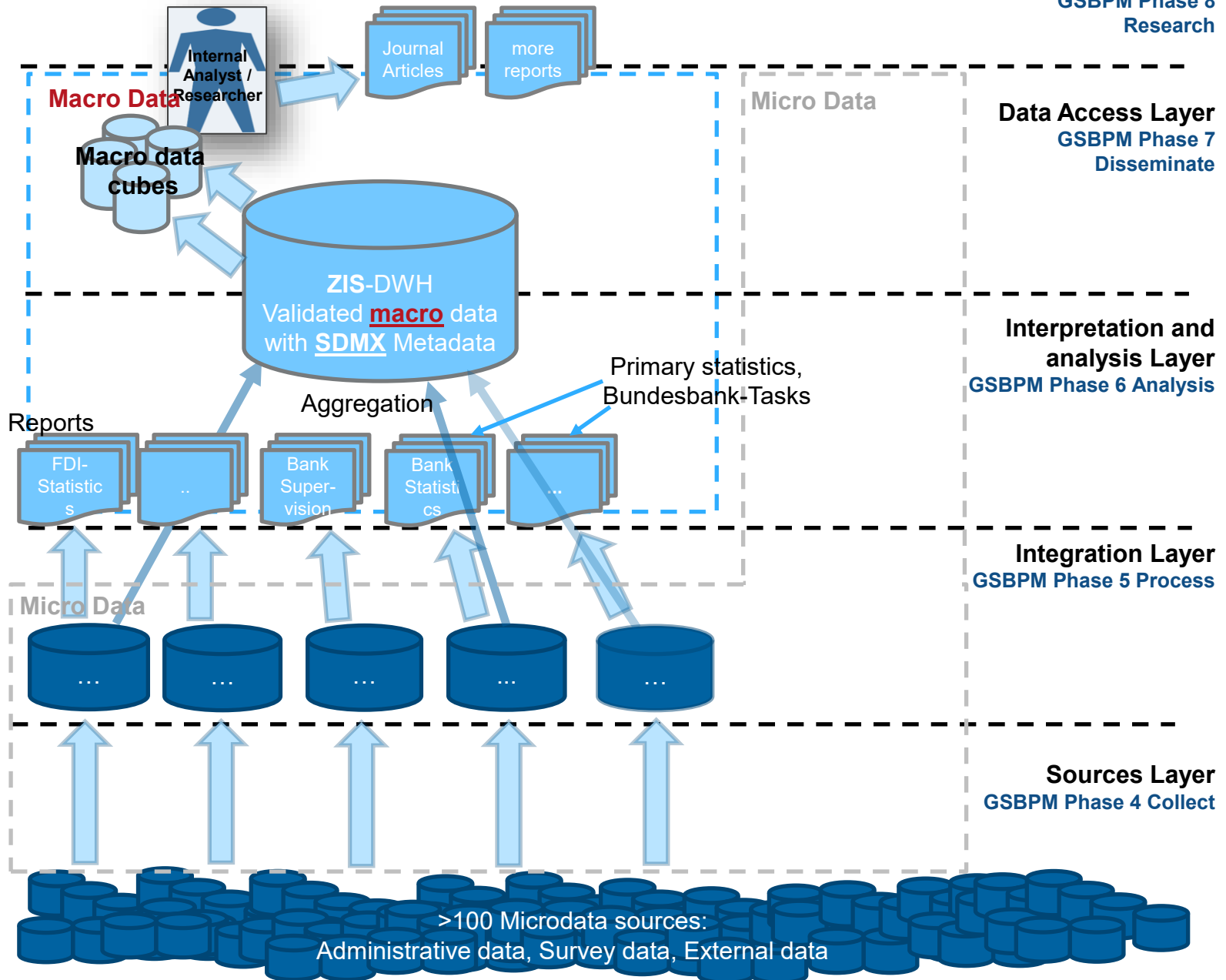
Data Access Layer
GSBPM Phase 7
Disseminate

Interpretation and
analysis Layer
GSBPM Phase 6 Analysis

Integration Layer
GSBPM Phase 5 Process

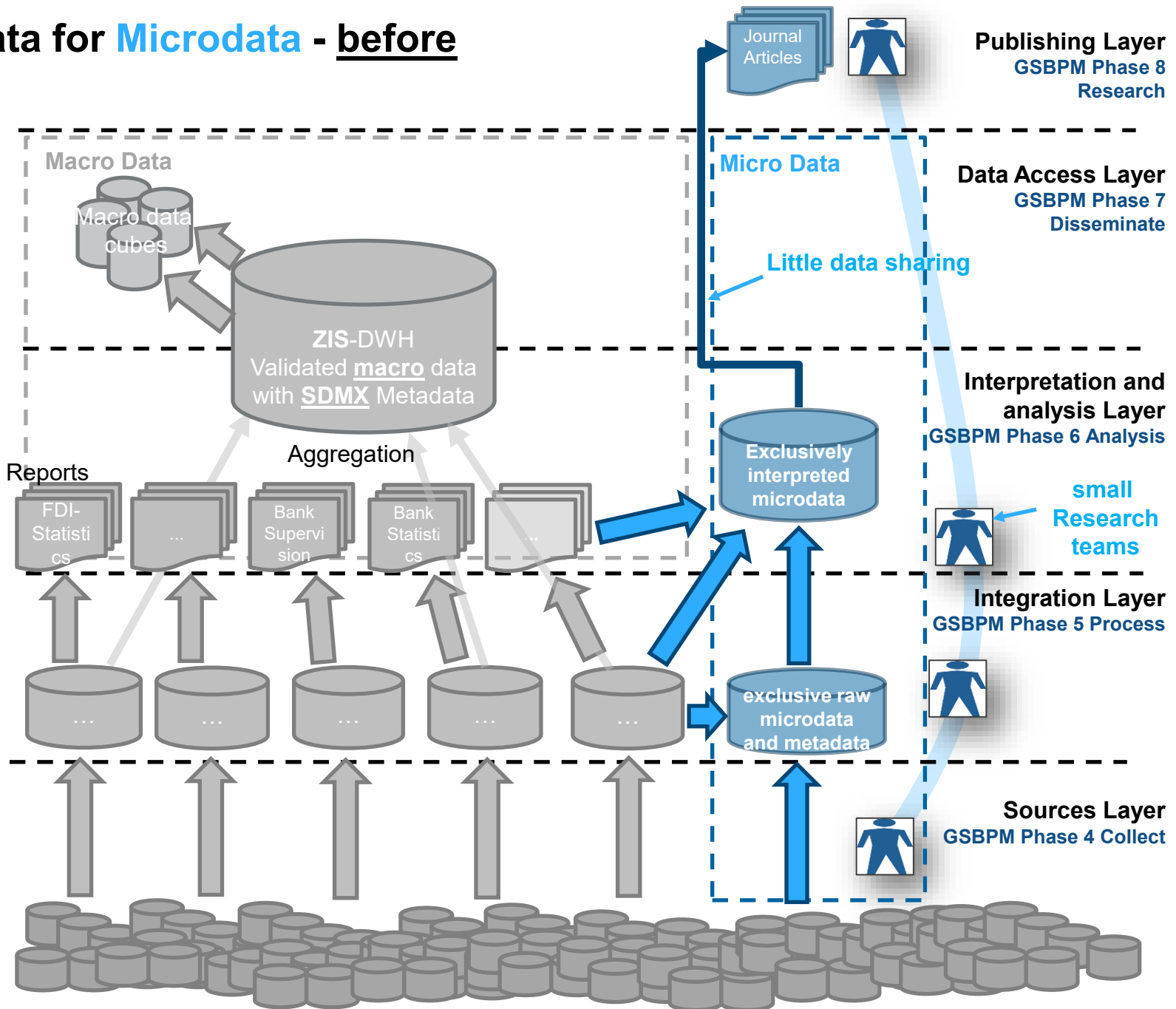
Sources Layer
GSBPM Phase 4 Collect

Metadata
System



Metadata for **Microdata** - before

Metadata System

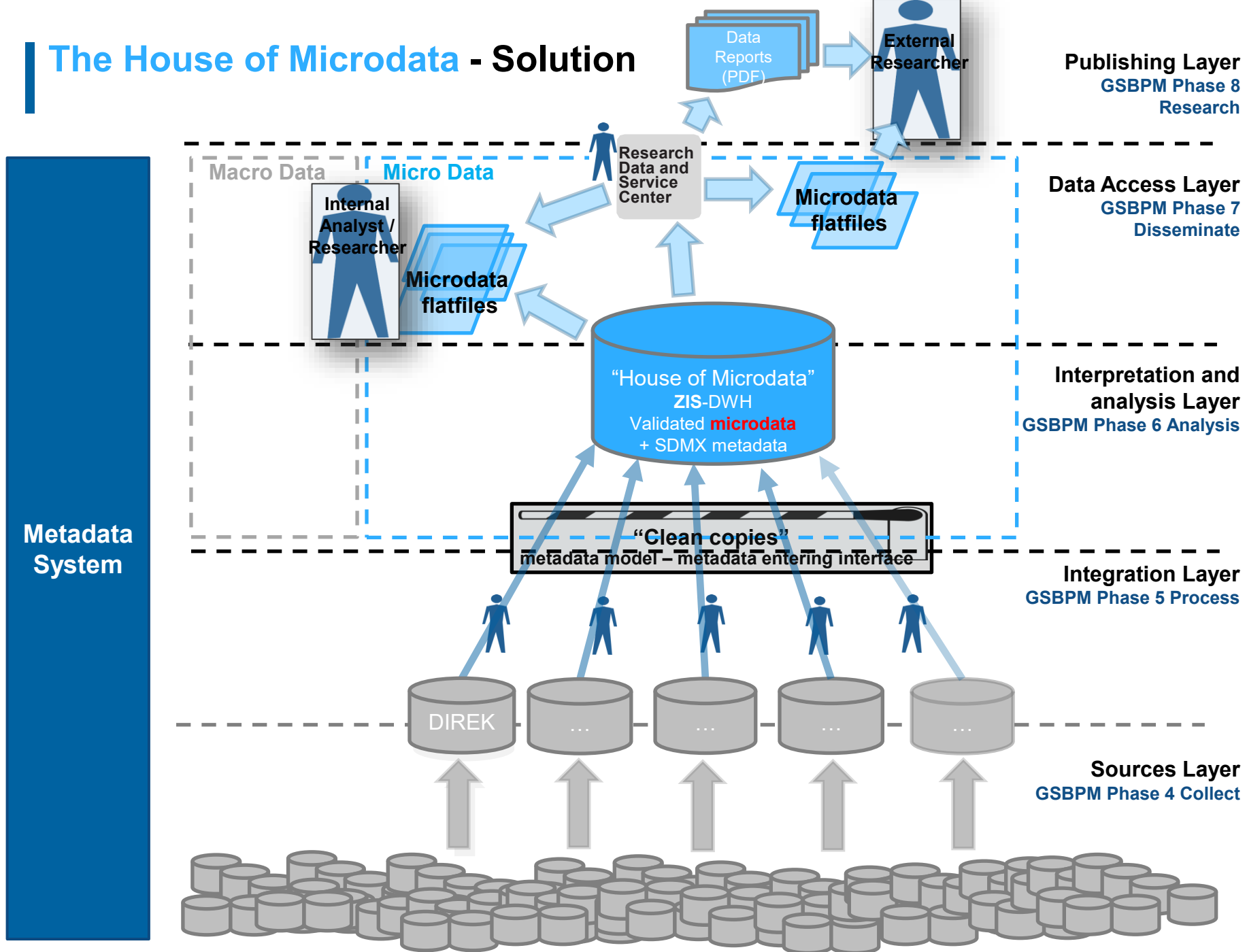


- **metadata for microdata...**

- dispersed
- hard to find
- unstructured
- not harmonized
- not digitized
- not written down
- „confidential“
- „not available“

➤ rarely shared

The House of Microdata - Solution



IMIDIAS: Integrated MicroData Information and Analysis System

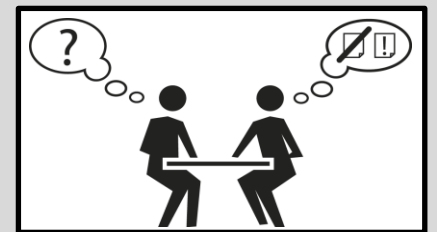
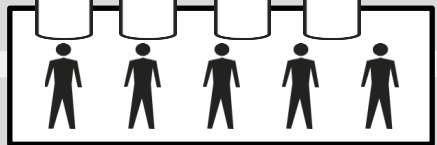
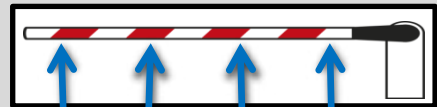
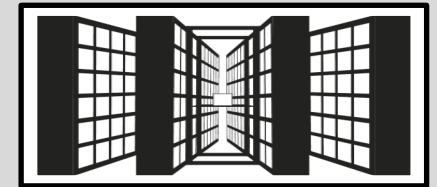
- **House of Microdata (HoM)**
Joint Platform for Data Sharing
- **Integrated Data Storage**
SDMX as Data model, common Reference Data
- **Research Data and Service Center (RDSC)**
Data Processing and Analysis Support
- **Governance**
Decentralised Data Responsibility, Participation



Active participation and enduring support of departments is crucial!

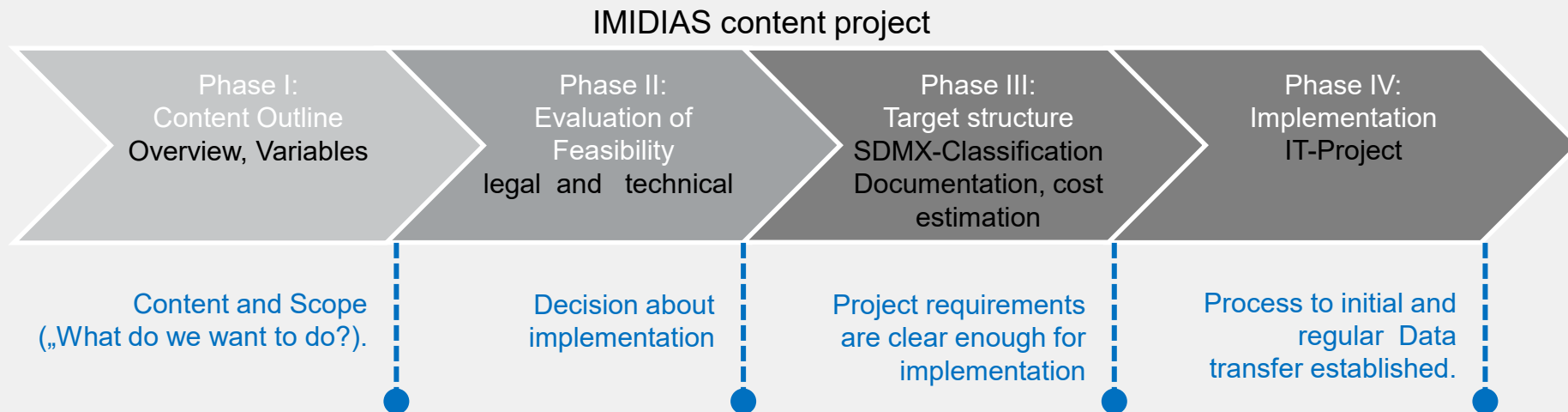
House of Microdata

- | The **House of Microdata** is providing a **Classification System** through the Implementation of **SDMX**
- | Setup of a **consolidated Data Collection**
- | **Data Sharing**
- | Support of **Bank-wide Analysis** as well as **internal and external Research**



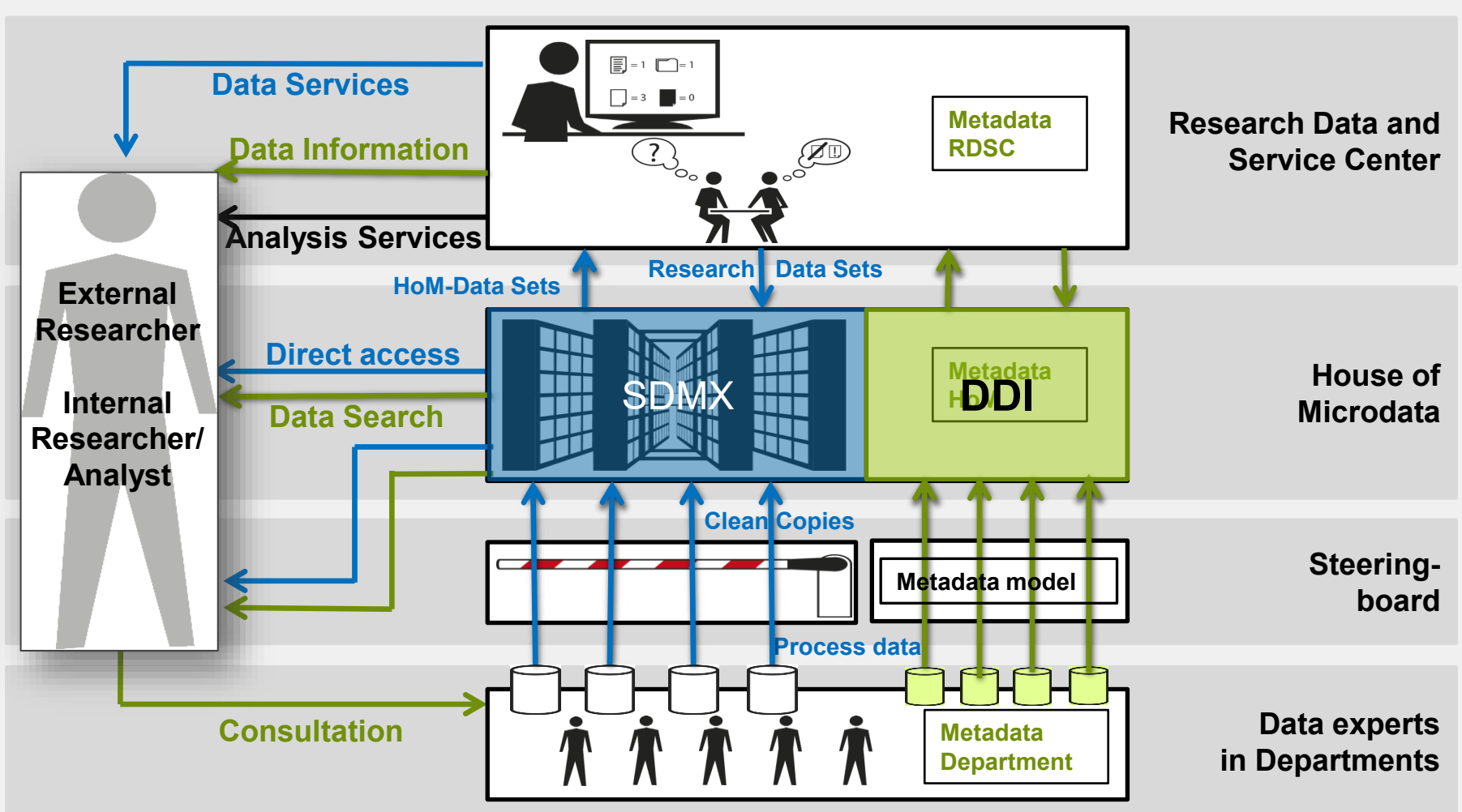
- | The **Research Data and Service Centre** is providing **Data – and Analysis Services**
- | Providing **Research and Analysis Data**
- | **Documentation and Consulting**
- | **Matching and Merging**
- | **Guidance** through IMIDIAS for internal and external Users

House of Microdata – Data Integration



- House of Microdata is filled via content project of data providing department
- Setup of an SDMX-Datastructure for HoM
- Establishing a transfer process from process data to a clean copy into HoM
- Regular effort

IMIDIAS: Role of Metadata

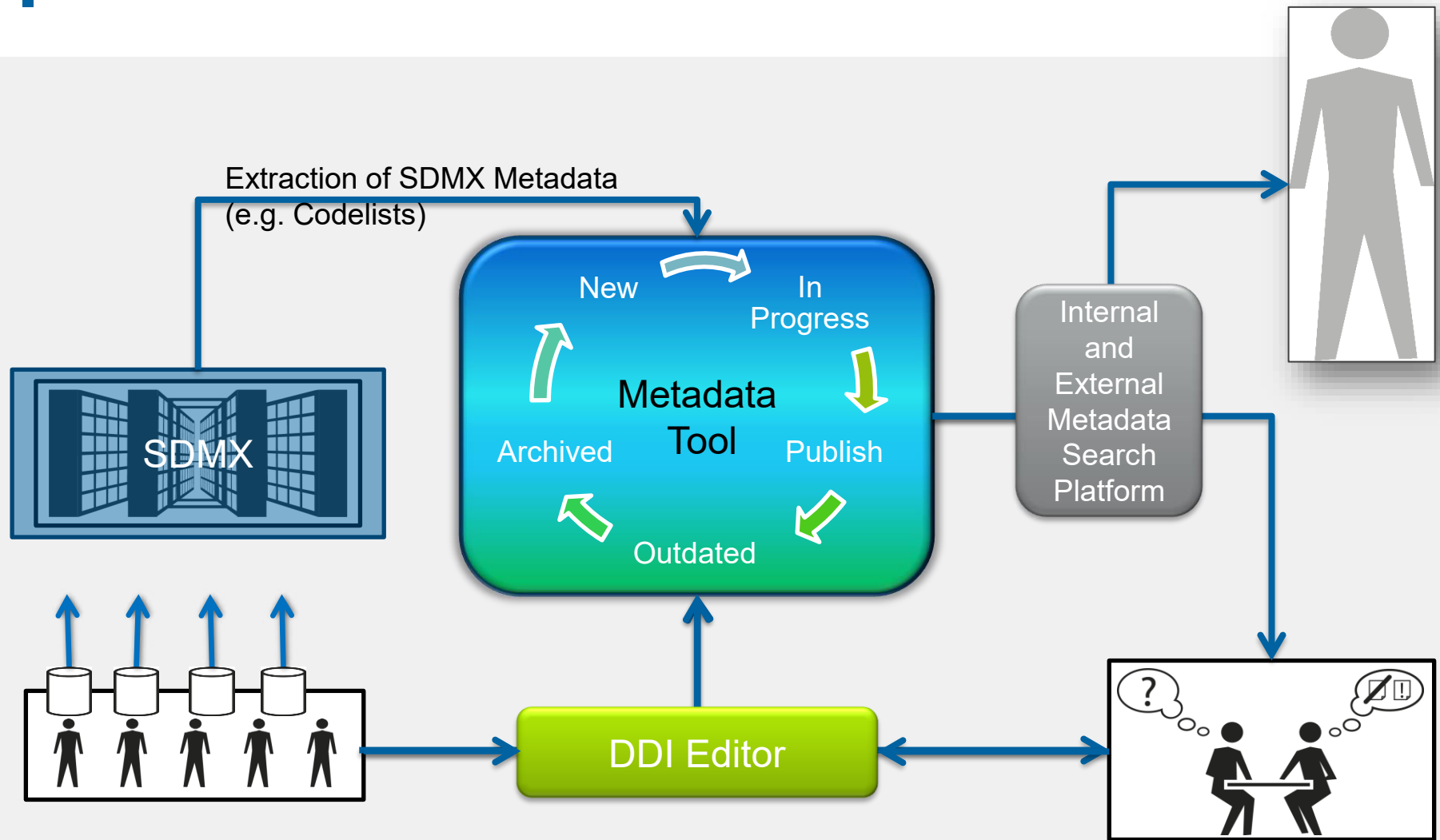


Towards Metadata Management with SDMX and DDI

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Seite 12

What we need



Next Steps

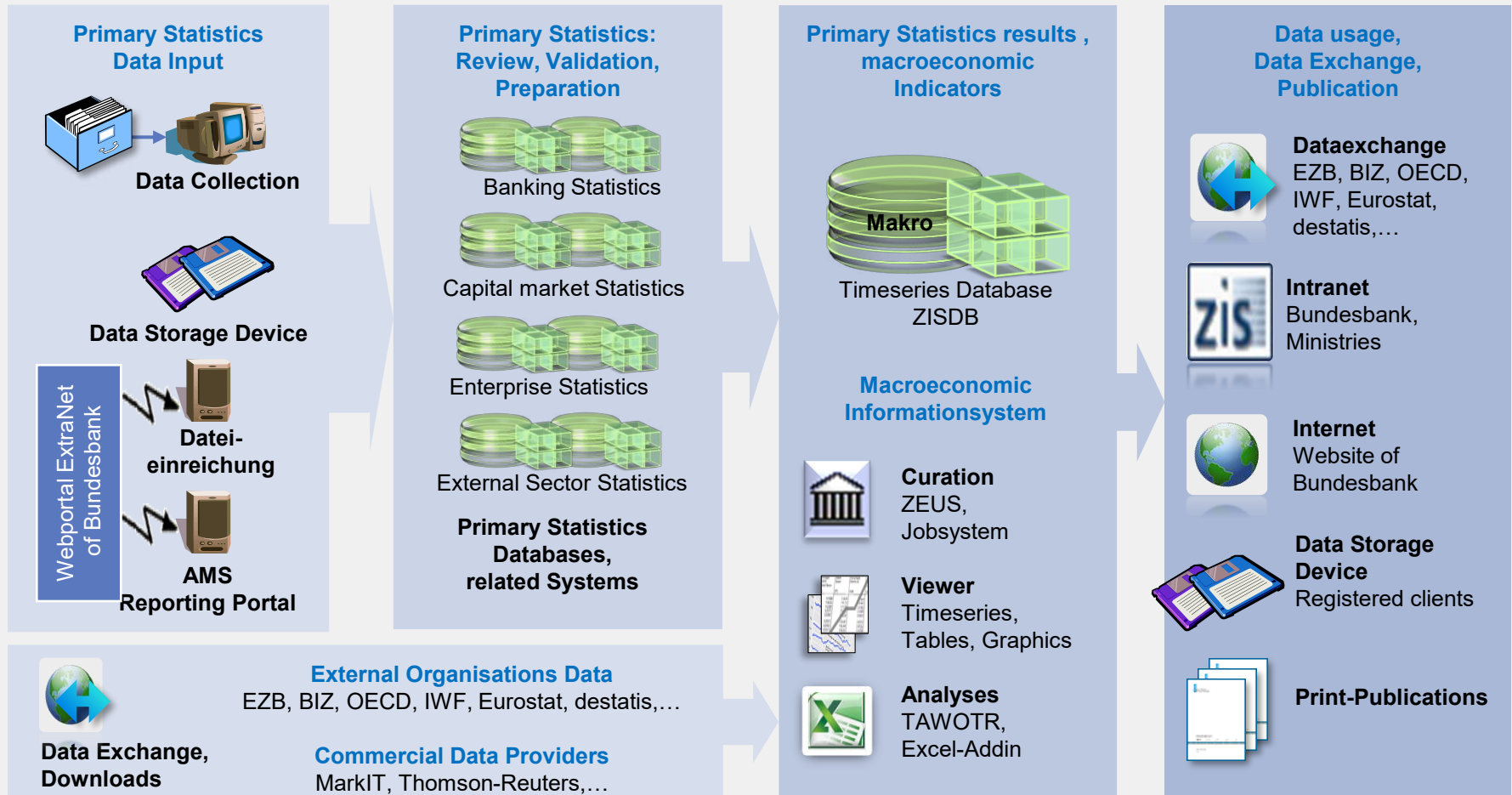
- A lot of discussions
- Consulting from experts
- Requirements definition
- Call for proposals
- Persuasion of data experts
- Implementation of an Integrated Metadata Information System

 **Thank you!**

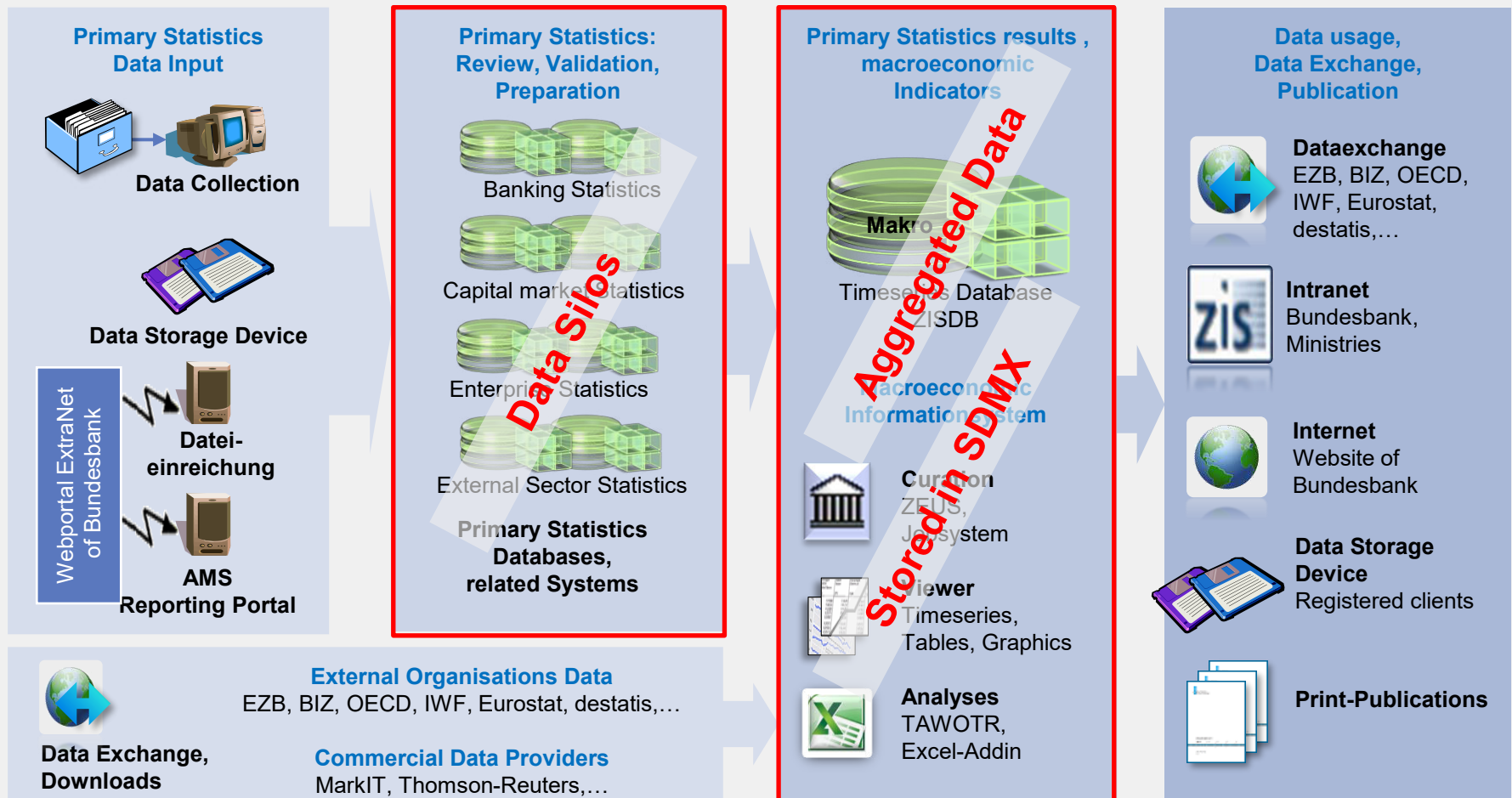
Backup



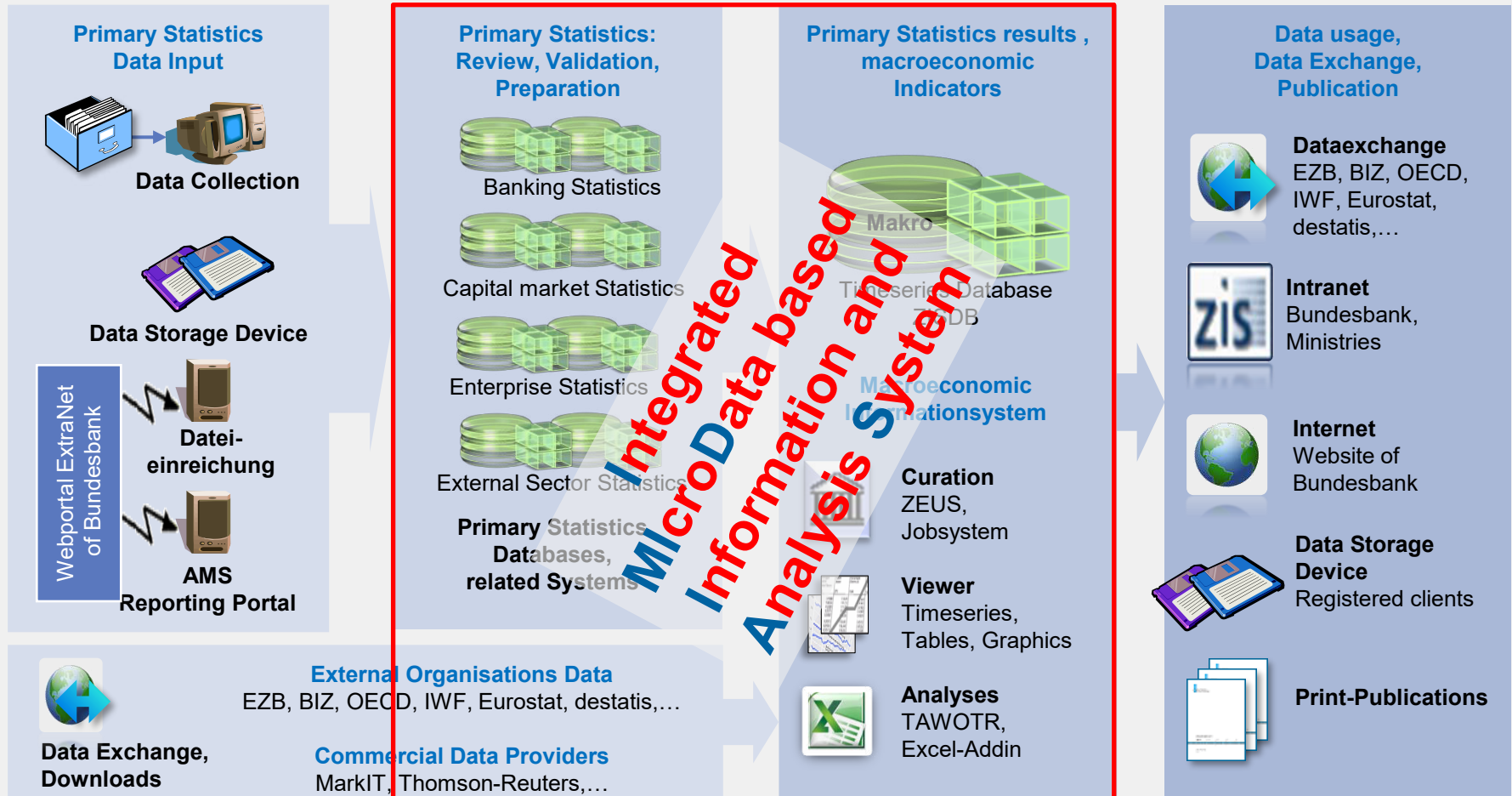
Data Value Chain



Challenge



Target



Metadata for Microdata - status quo

Metadata System

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