



Discovering Analytical Concepts from User Profiles Doctoral Project Plan

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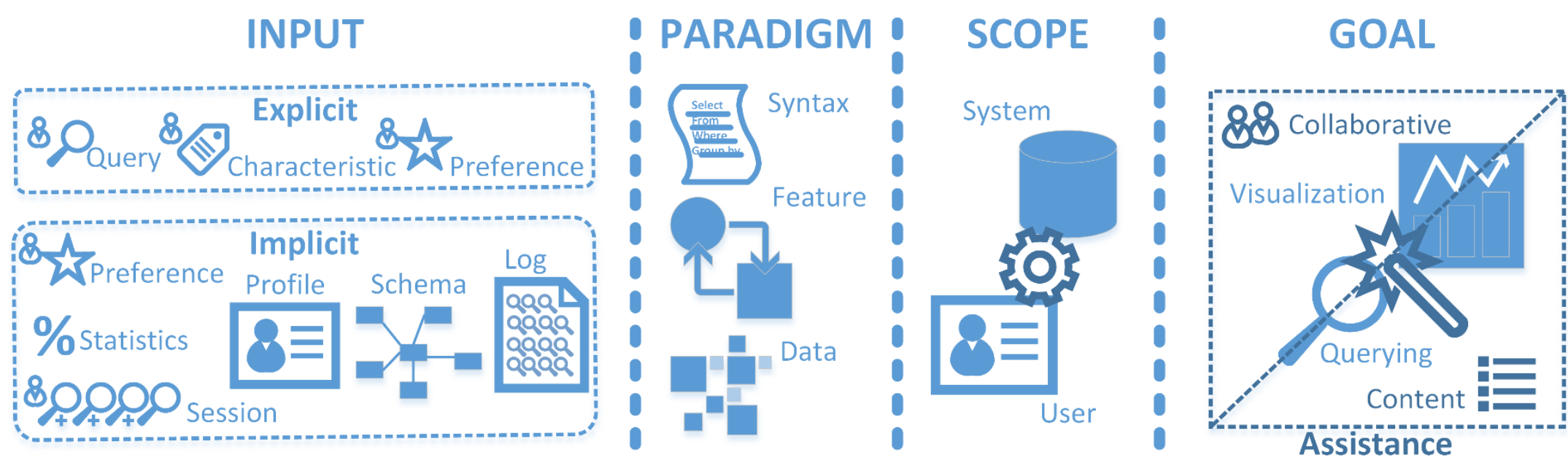
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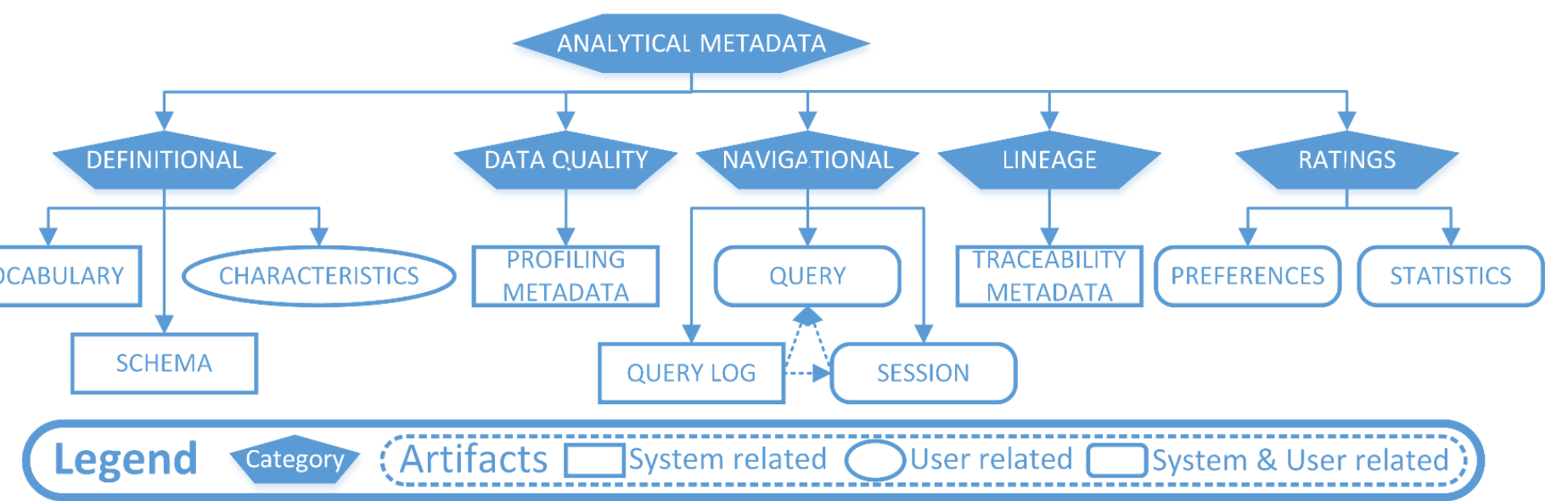
The Vision: A dedicated BI subsystem for user assistance purposes in the context of BI 2.0 systems

The Goal: The definition of metadata needed to support user assistance functionalities

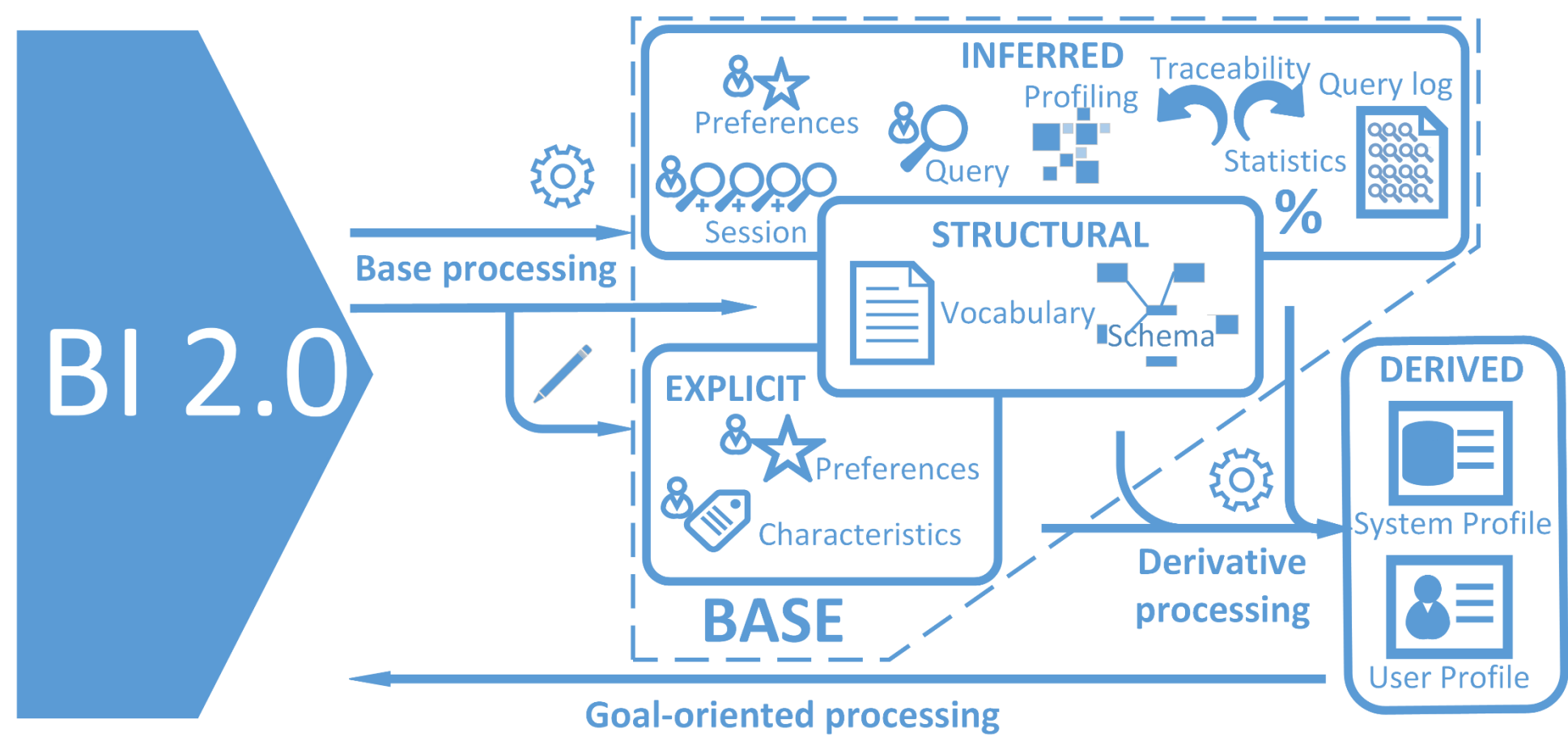
Assistance Process



Analytical Metadata



Automation and Processing

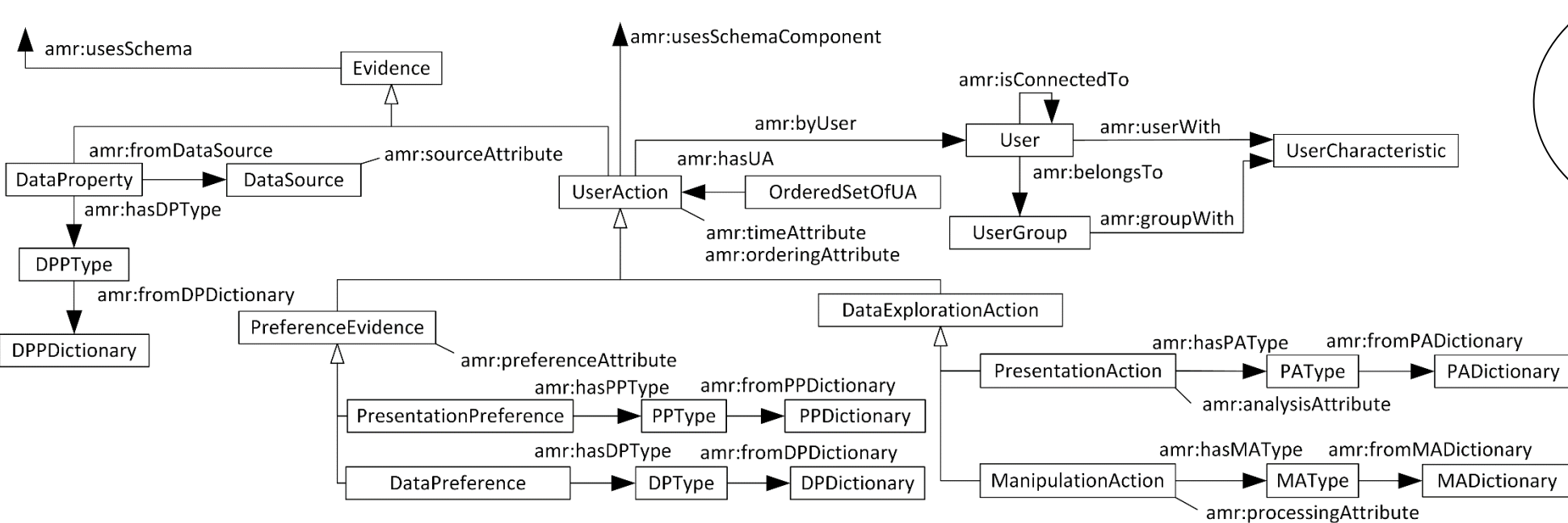


Analytical Metadata Framework: Based on the findings of a survey, we propose analytical metadata framework to support the user assistance activities and their automation in the context of next generation BI systems:

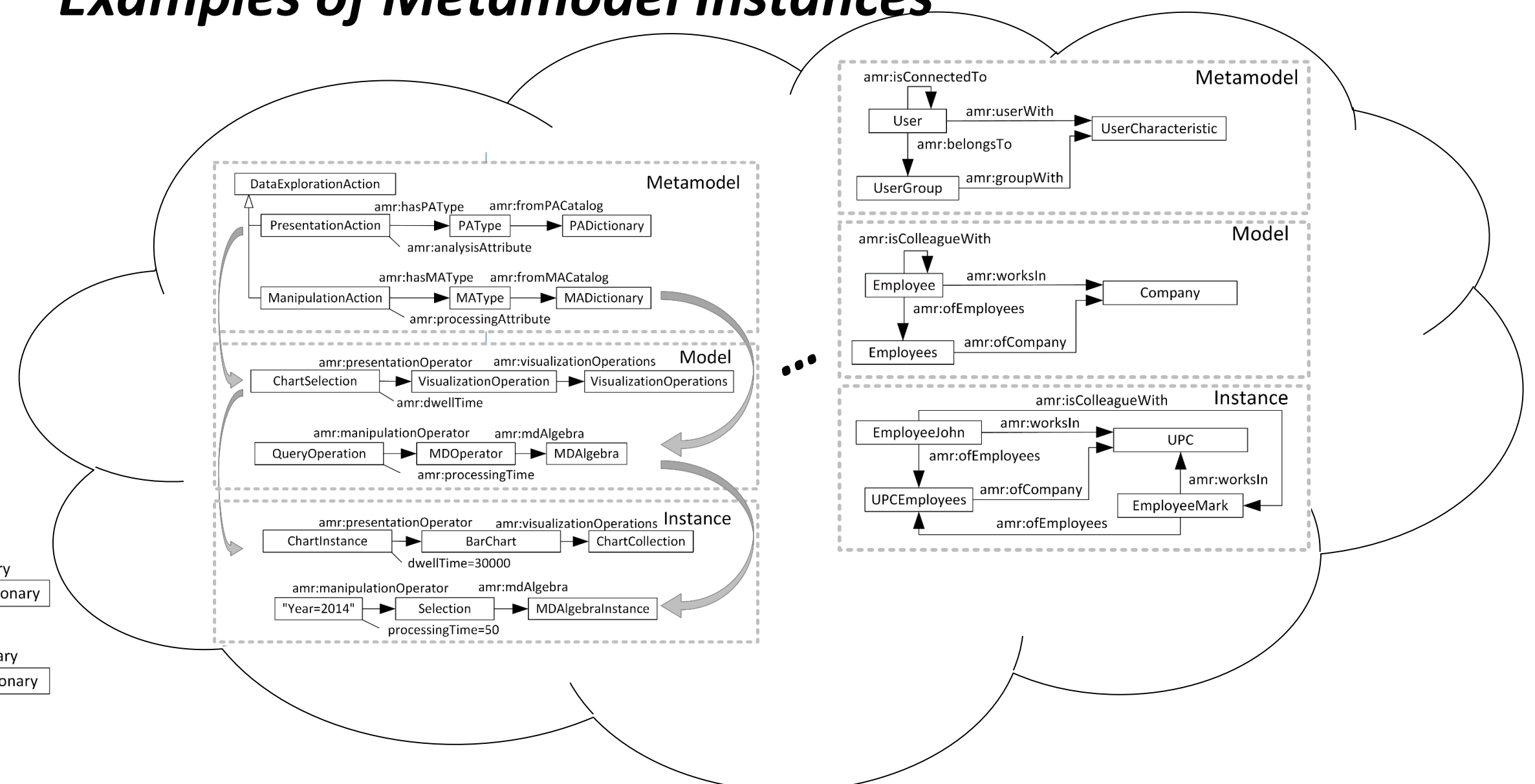
- We describe the additional process of the user-system interaction so that the system also supports the user during the interaction
- We identify the metadata artifacts to be gathered, modeled, and processed to enable the automation of user assistance activities
- We categorize the metadata artifacts to support the user assistance and their processing to enable automation

Current Step: Definition of a Semantic Metamodel of Analytical Metadata

The Metamodel



Examples of Metamodel Instances



Next Steps: Incremental implementation and exploitation of Analytical Metadata Repository

Further reading:

1. Jovan Varga, Oscar Romero, Torben Bach Pedersen, Christian Thomsen: Towards Next Generation BI Systems: The Analytical Metadata Challenge. DaWaK 2014 (In Press)

