

- [Software Engineering Group](#)
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GEOMAR

- [Kiel Data Management Team](#)
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Leibniz-Informationszentrum
Wirtschaft
Leibniz Information Centre
for Economics

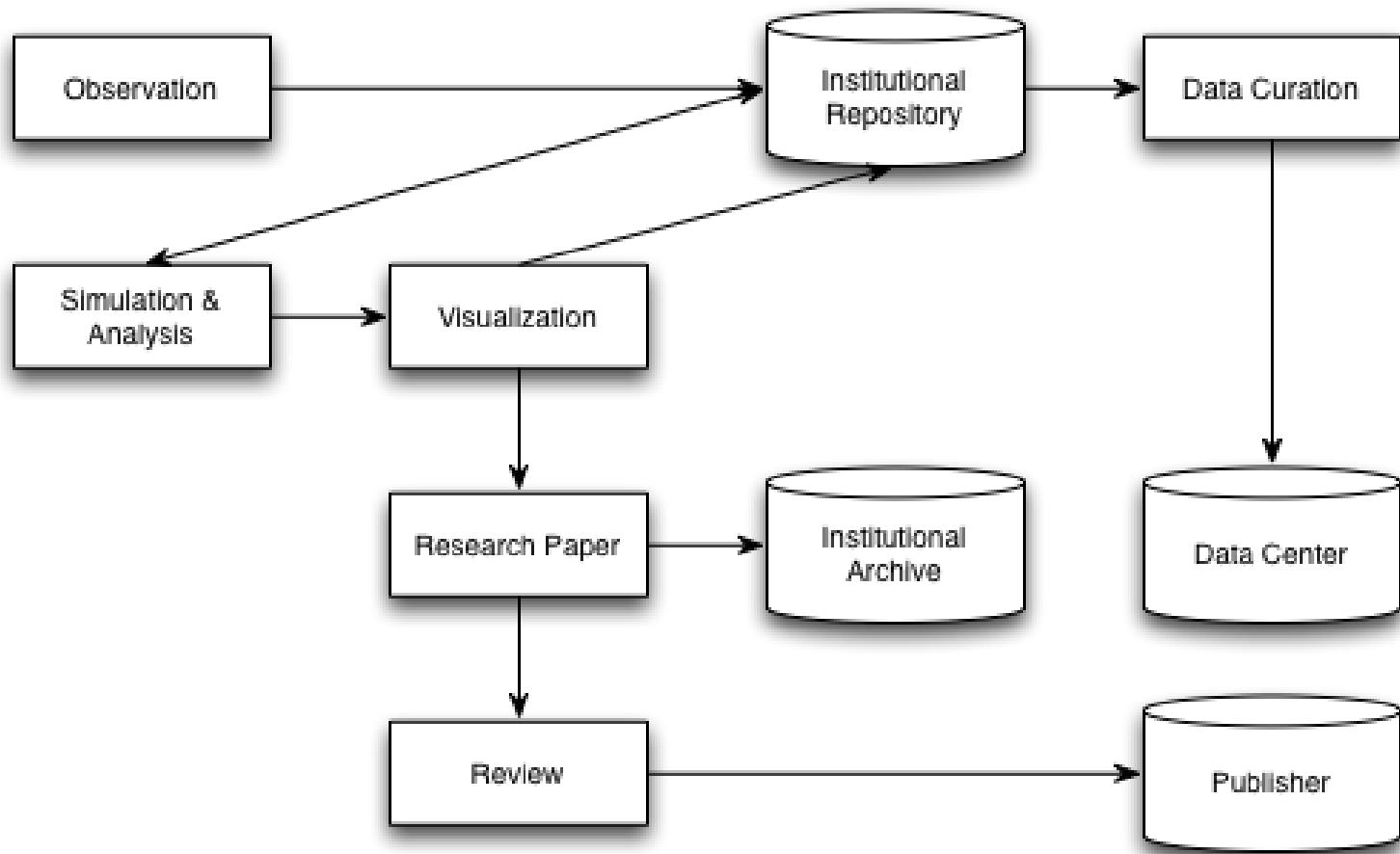


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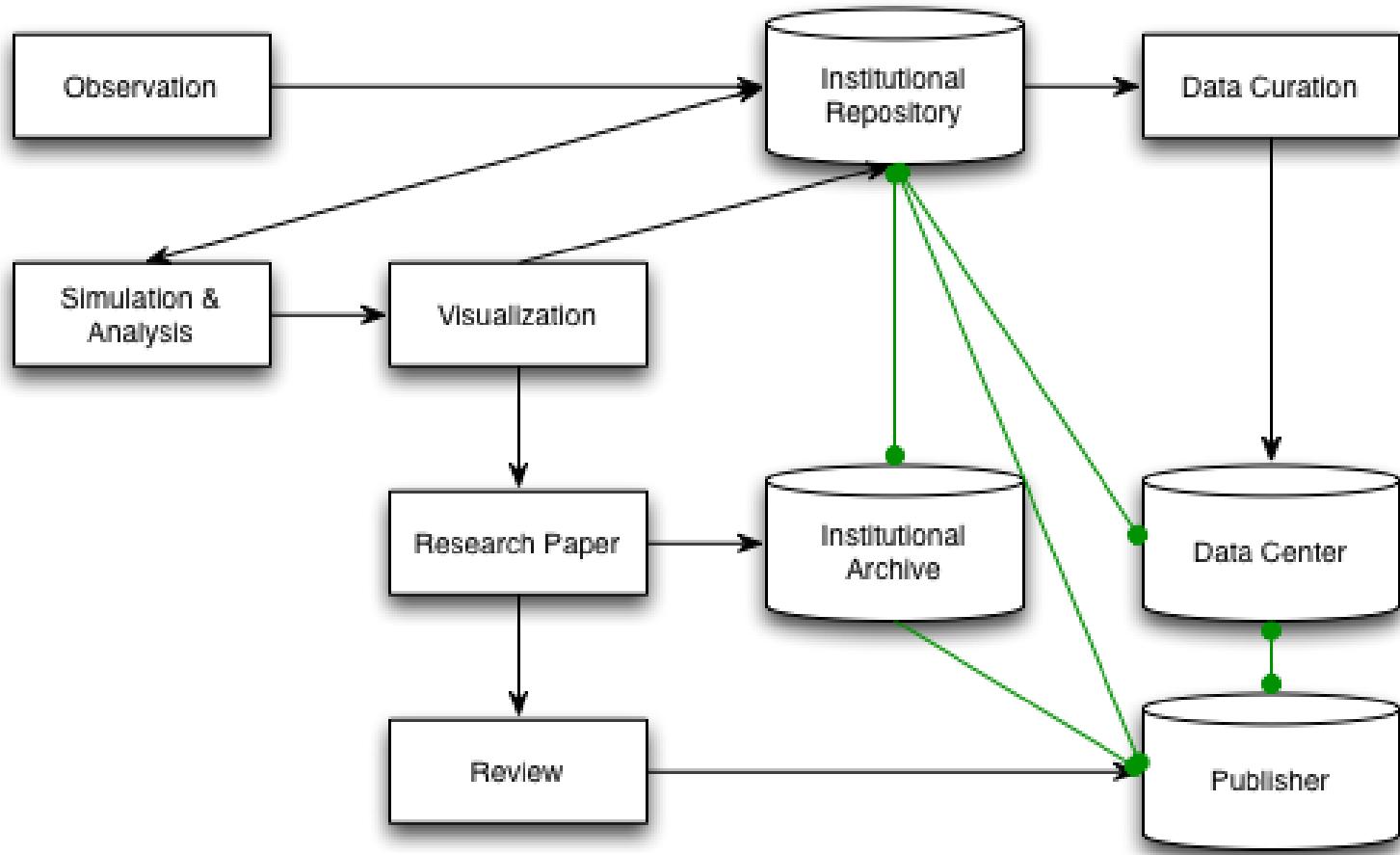
PubFlow
A horizontal icon featuring a blue globe, a grey gear, and a white document with a blue border, connected by arrows.
www.pubflow.de

Peer Brauer, Prof. Dr. Wilhelm Hasselbring
Software Engineering Group
Kiel University
Lucca, 23.09.2013

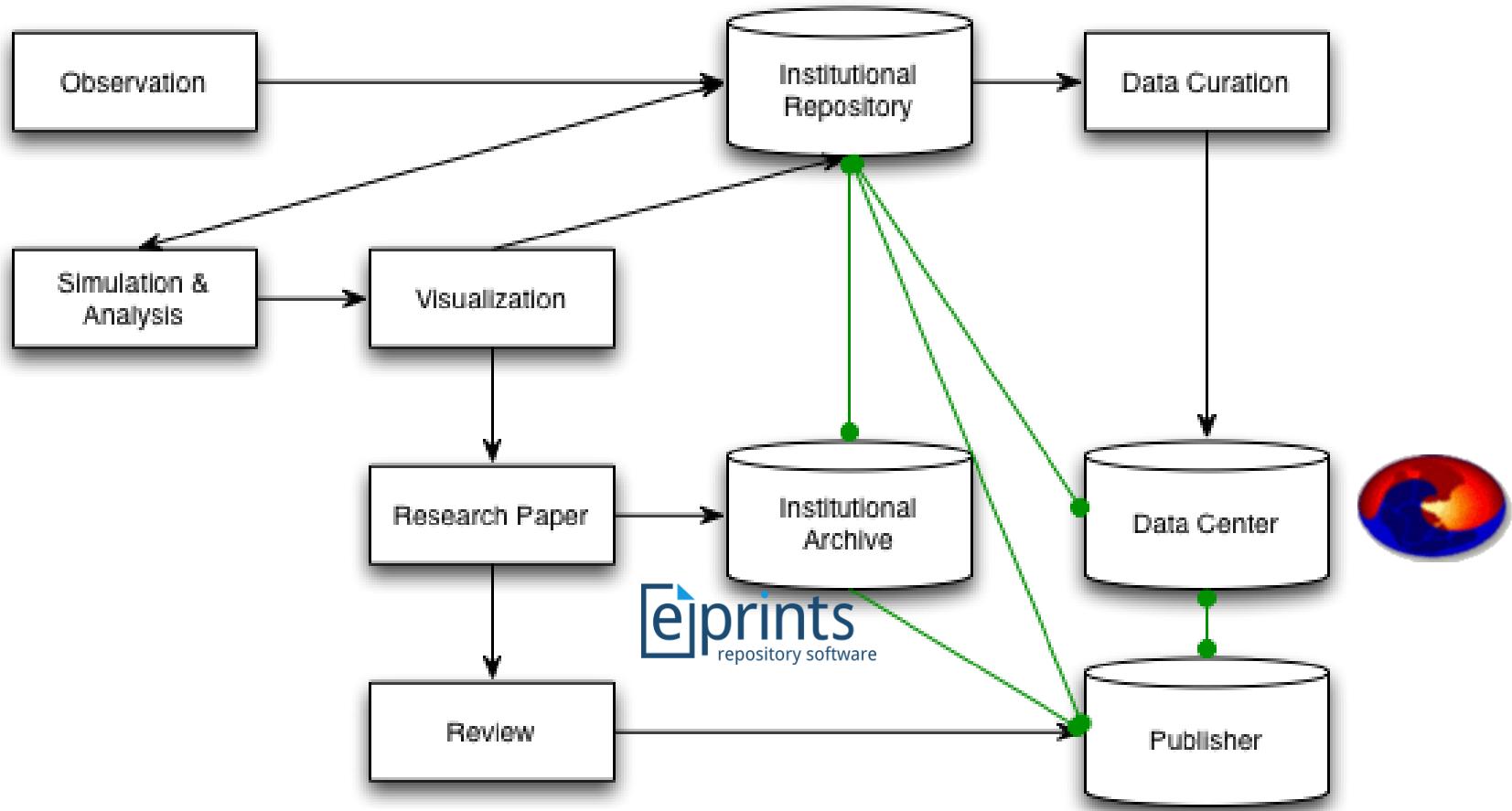
Motivation



Motivation



Motivation



- **Agenda**

- 1. PubFlow Framework

- 2. Evaluation Scenario

- 3. Conclusion

What is PubFlow about?

- Creating a scientific workflow environment for data publication
- Introducing role based working models to the domain of data management
- Increasing the degree of automation data management

Features

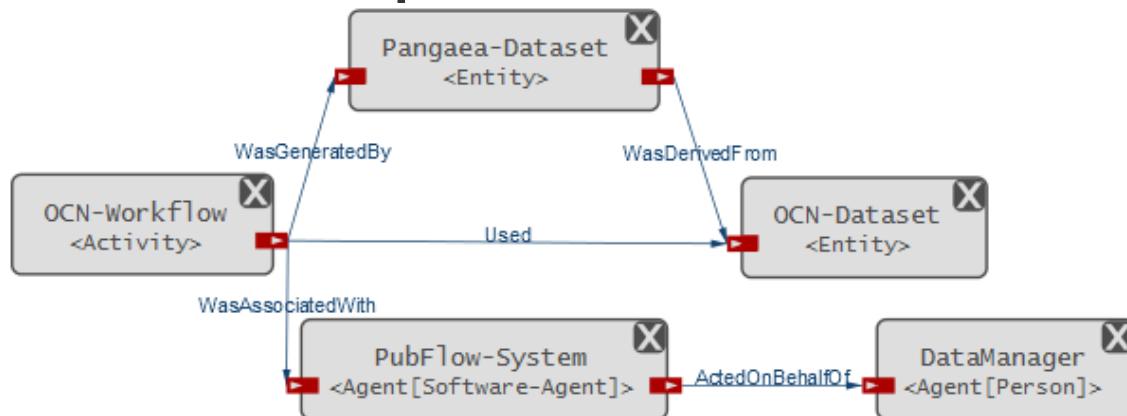
Build upon proven workflow technology

- Build in support for BPMN, BPEL
- Extensible by other workflow engines
- Designed for high throughput

Features

Provenance Awareness

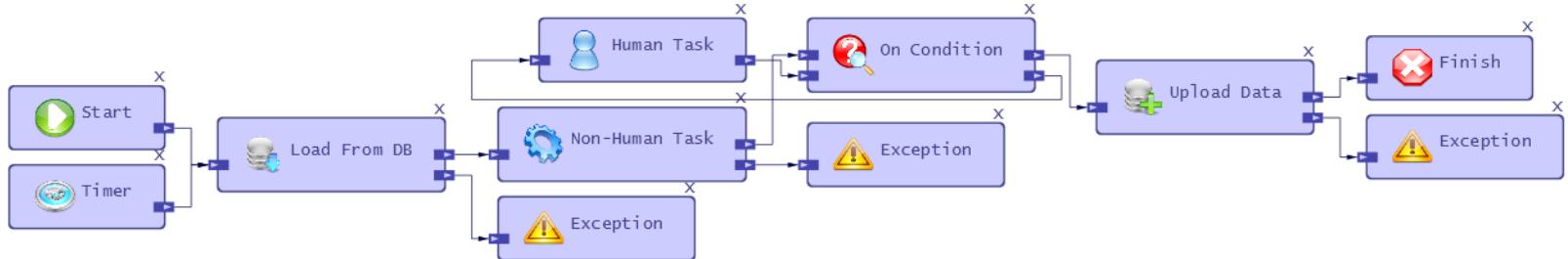
- Automatically capturing of provenance data
- Integrated W3C Prov-O compliant provenance archive
- Workflow based provenance browser



Features

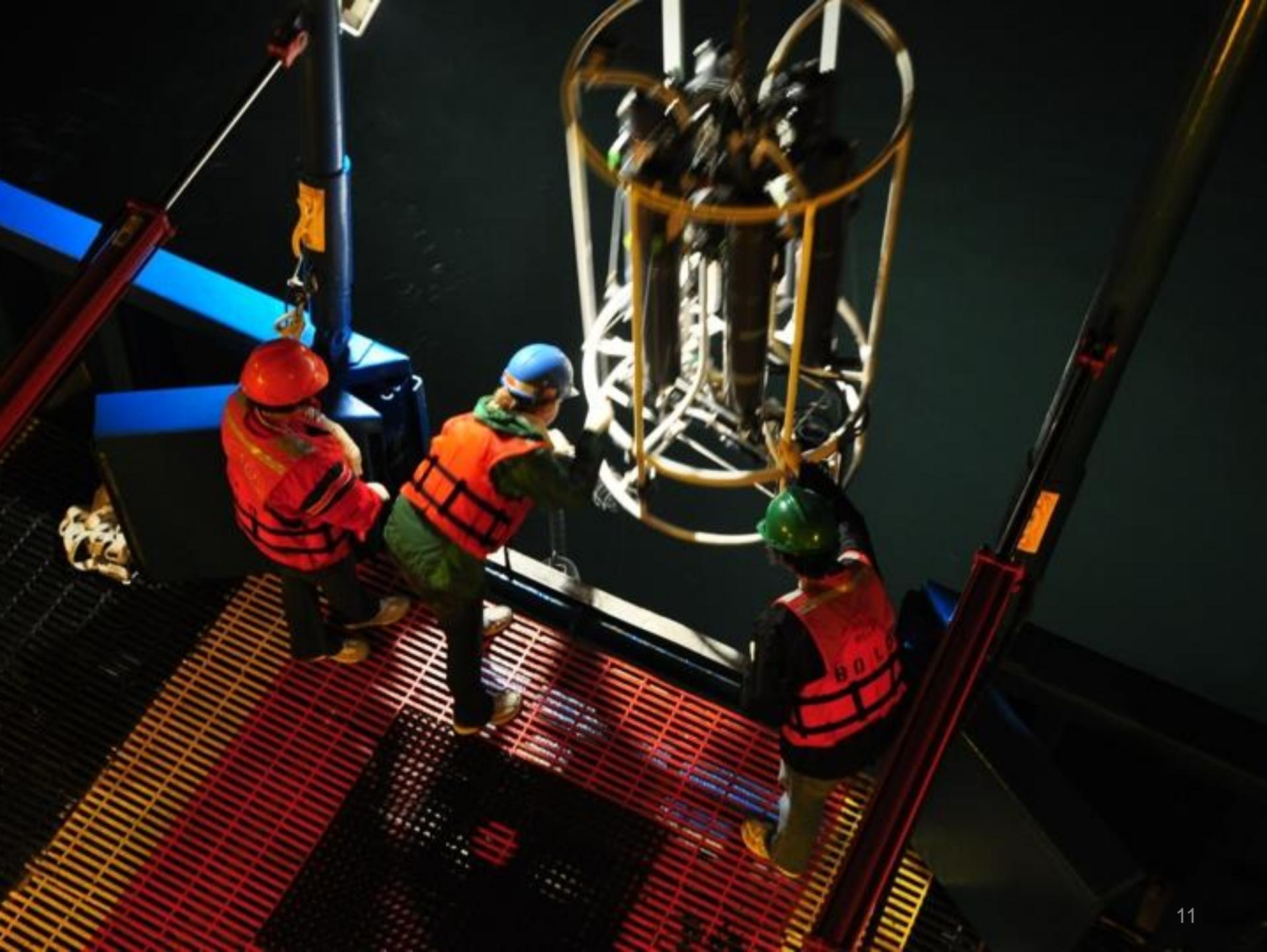
Graphical Workflow Editor

- Supports graphical DSLs
- Data managers can easily define own workflows
- Workflows can be transformed to selected target execution environment

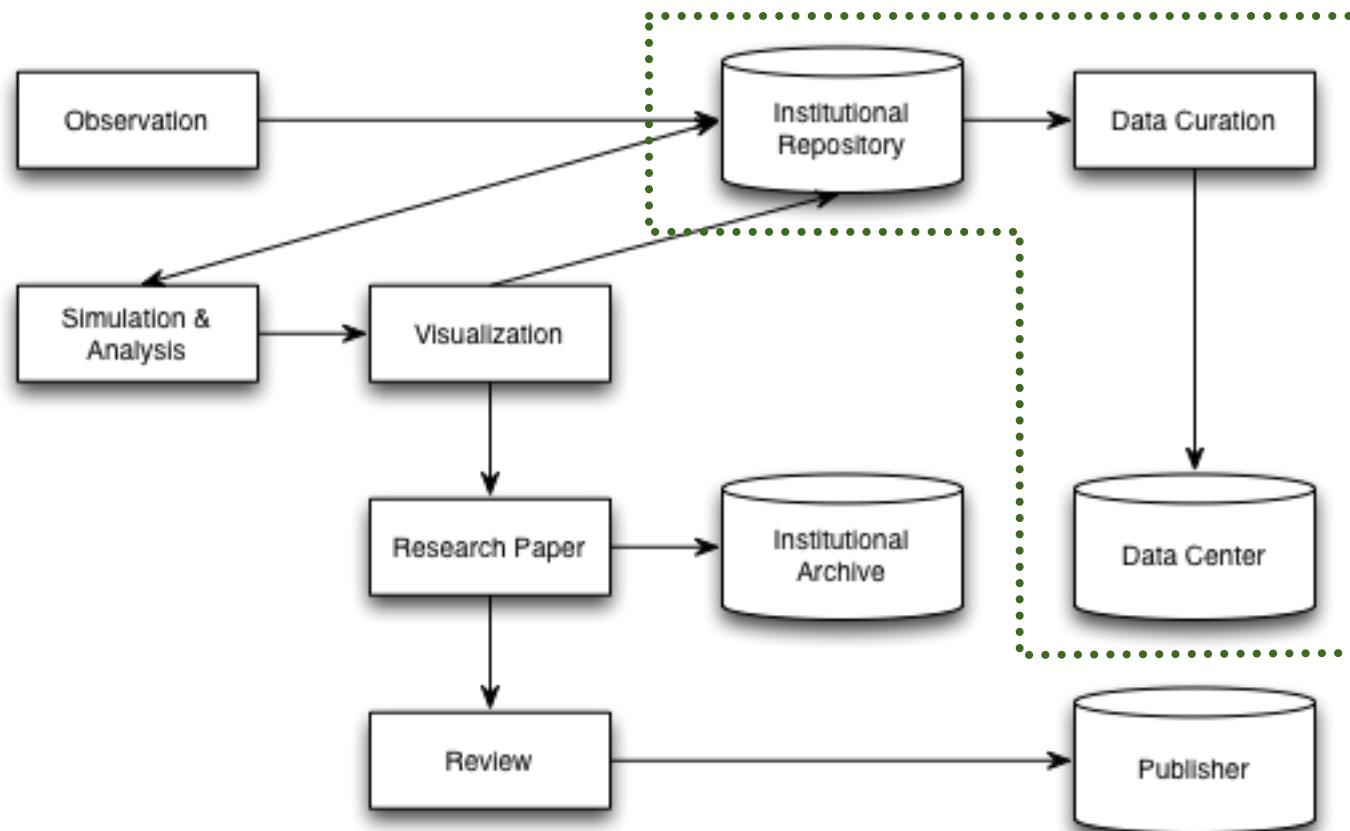


Section 2

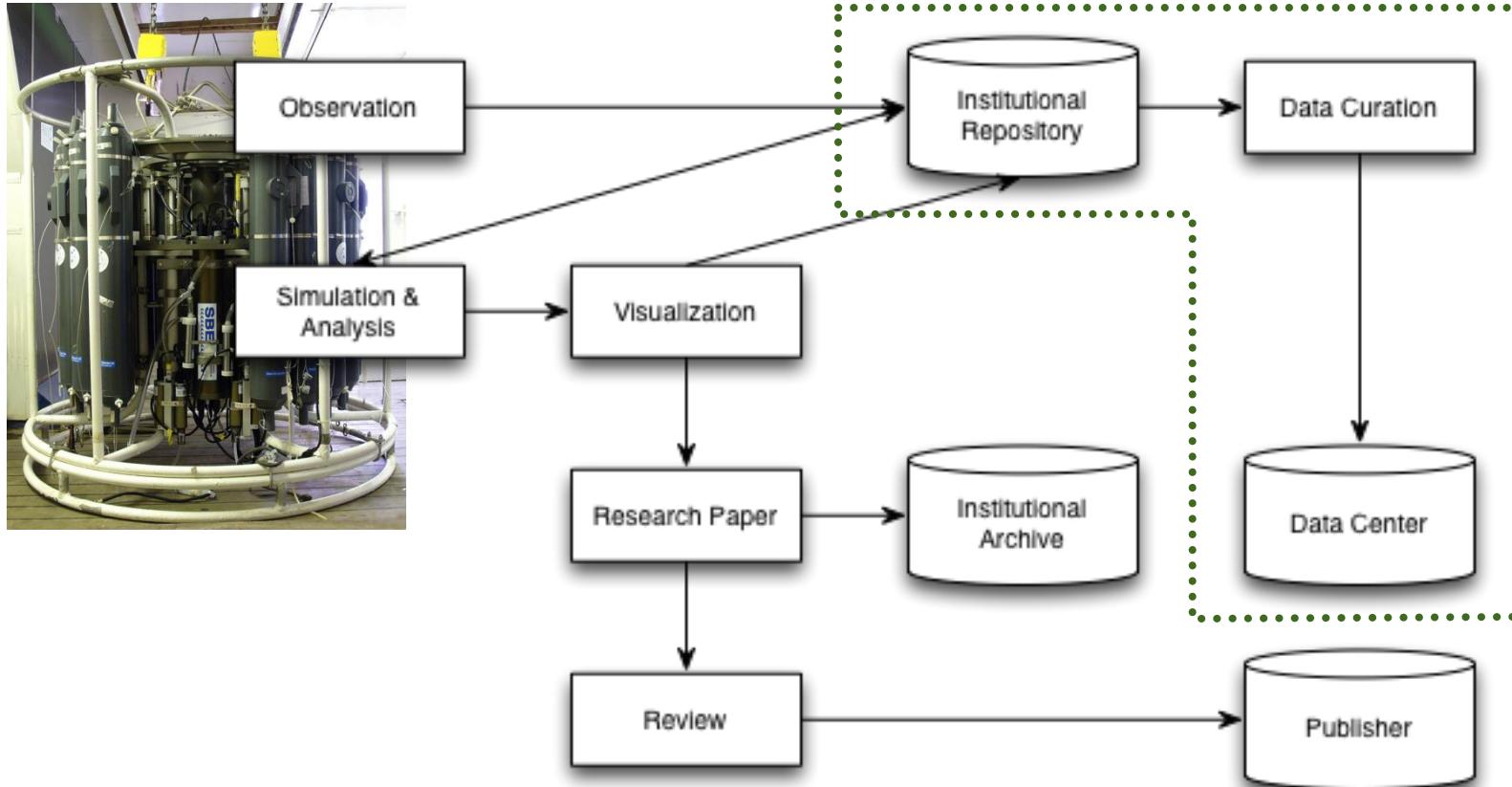
The Evaluation Scenario



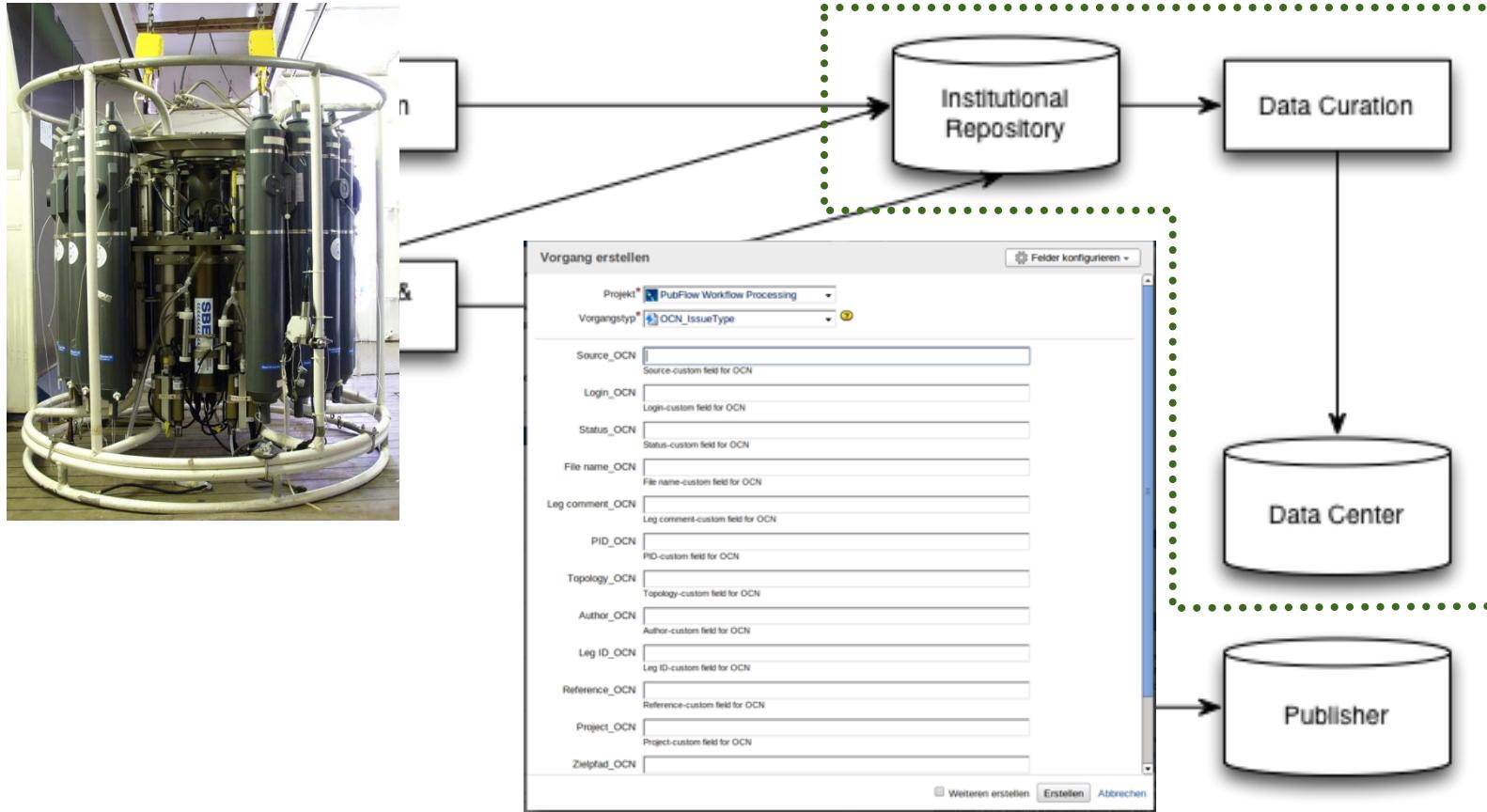
Evaluation Scenario



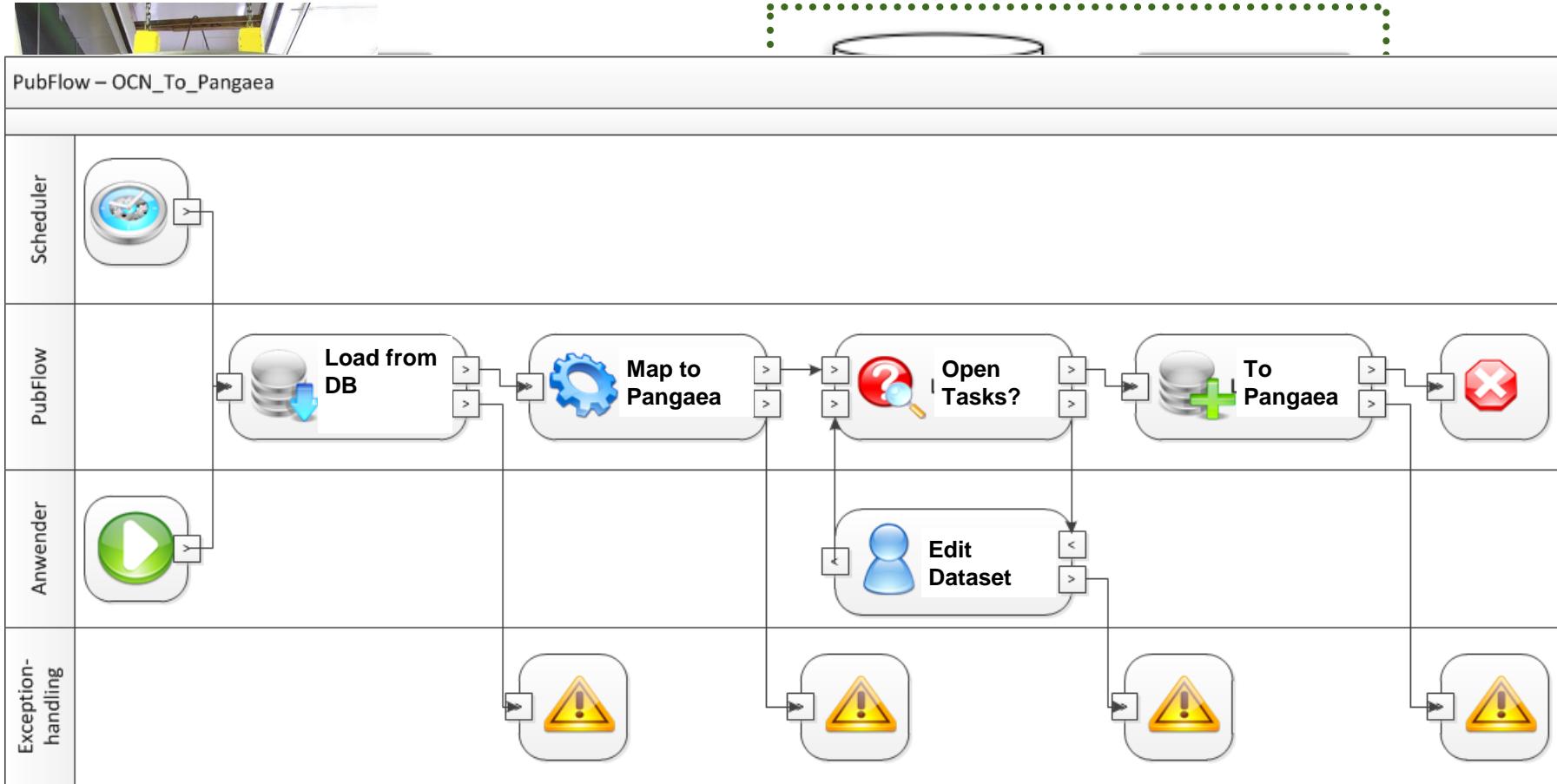
Evaluation Scenario



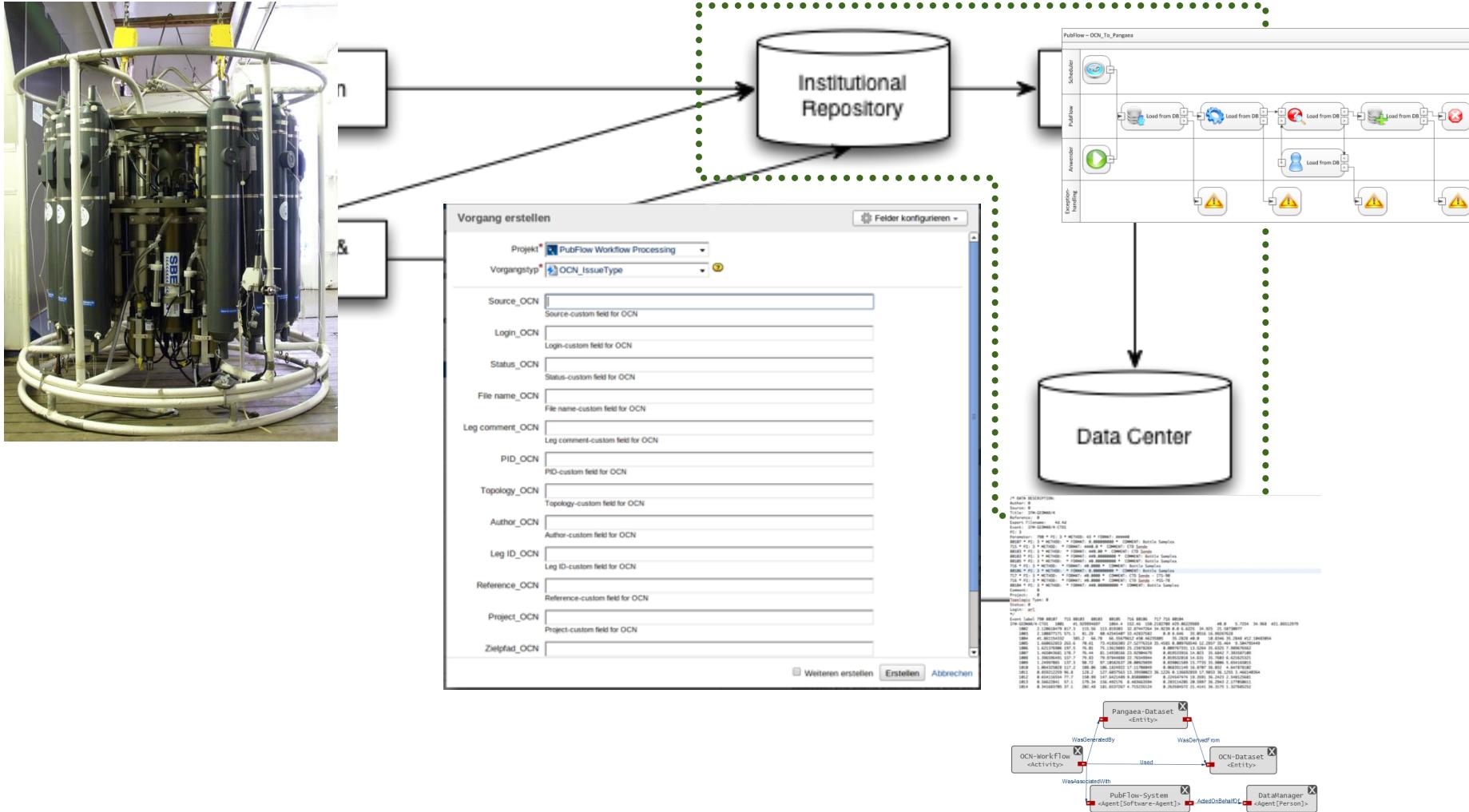
Evaluation Scenario



Evaluation Scenario



Evaluation Scenario



Conclusion

- PubFlow increases the degree of automation in the data publication process
- Is build upon proven workflow technology
- Brings the division of work to data management
- Collects provenance information

