

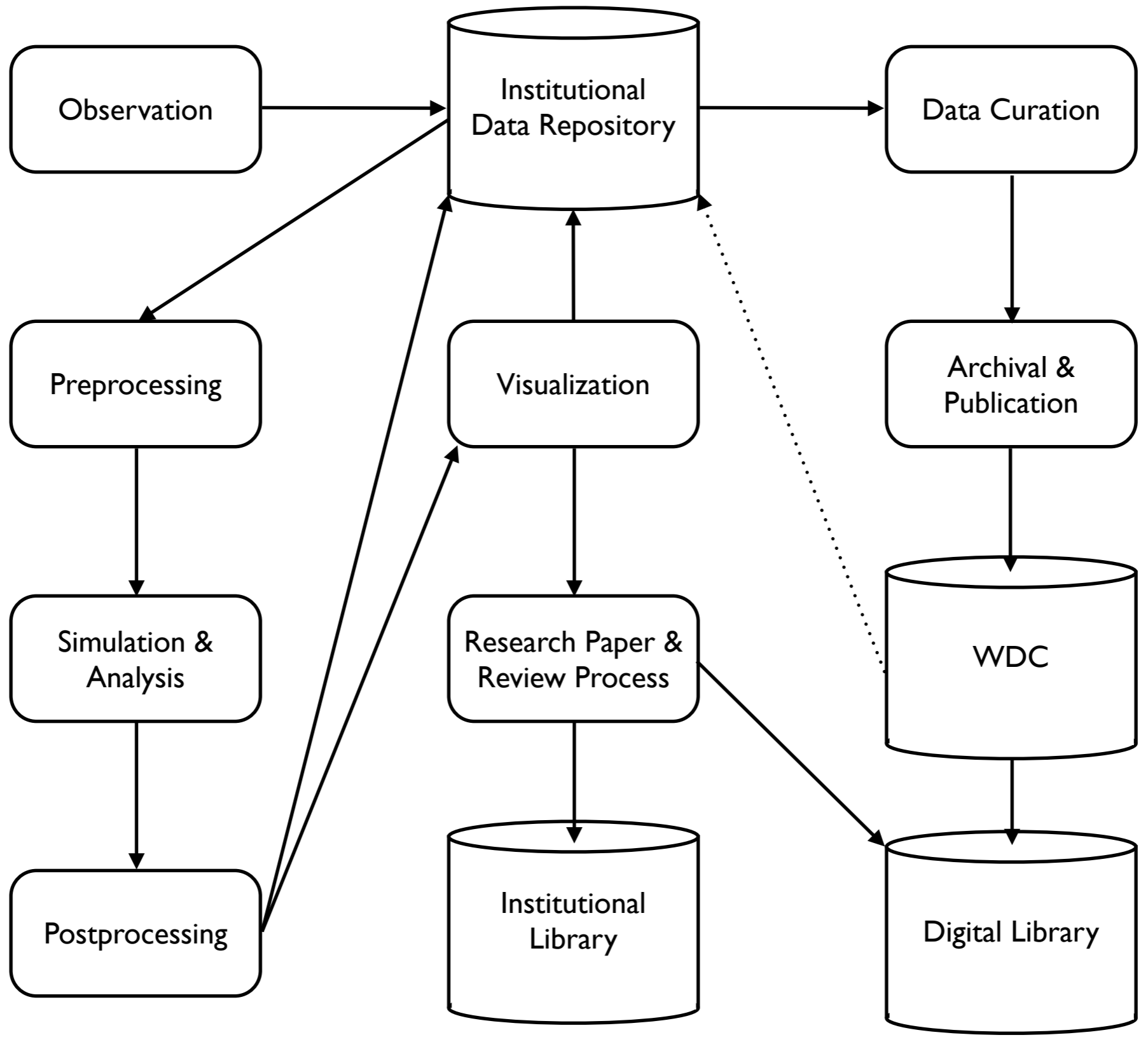
PubFlow

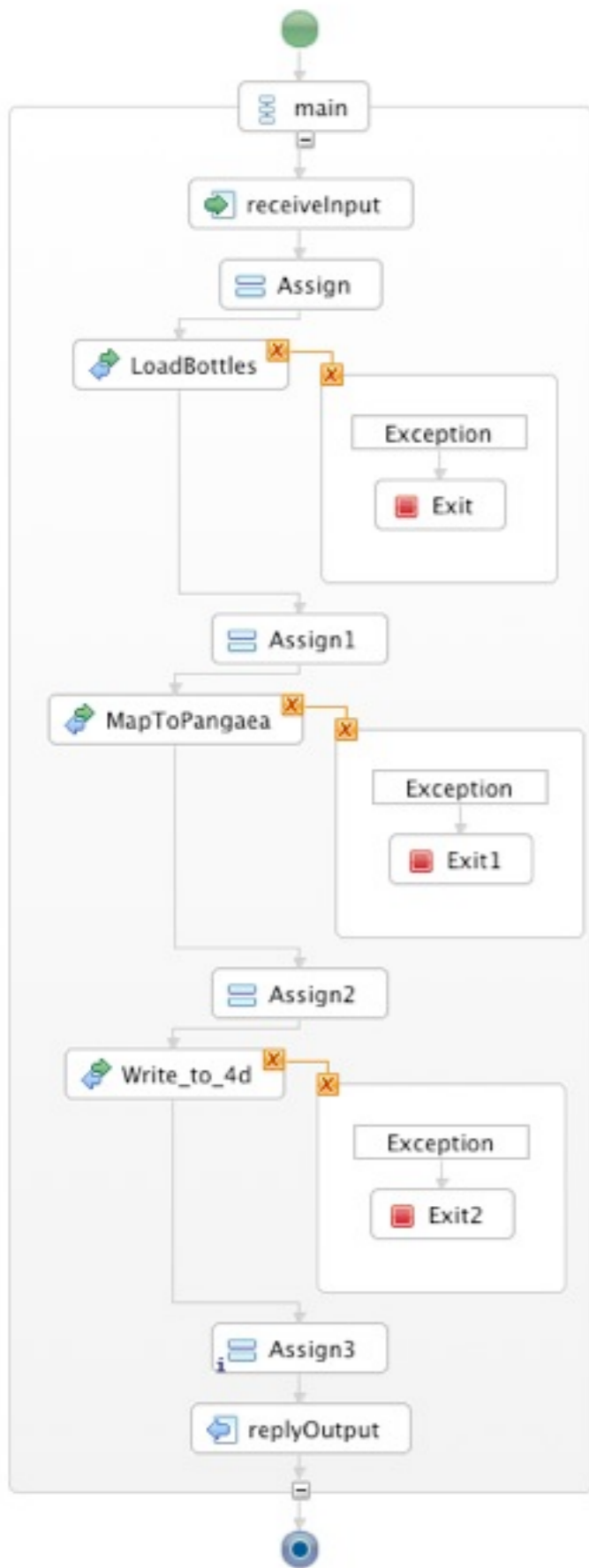
Peer Brauer
Universität zu Kiel

www.PubFlow.de

Ziel des Projekts

- ▶ Entwicklung von Scientific Workflows zur Automatisierung von Daten-Publikationsprozessen
- ▶ Zeitersparnis für den Forscher, den Datenmanager, ...





Das PubFlow-Evaluationsbeispiel

Primerfaces

Jira

BPEL

Jaxb

Apache ODE

SOAP

Webservices

Transformation Framework

BPMN 2.0

Apache Shiro

Hsqldb

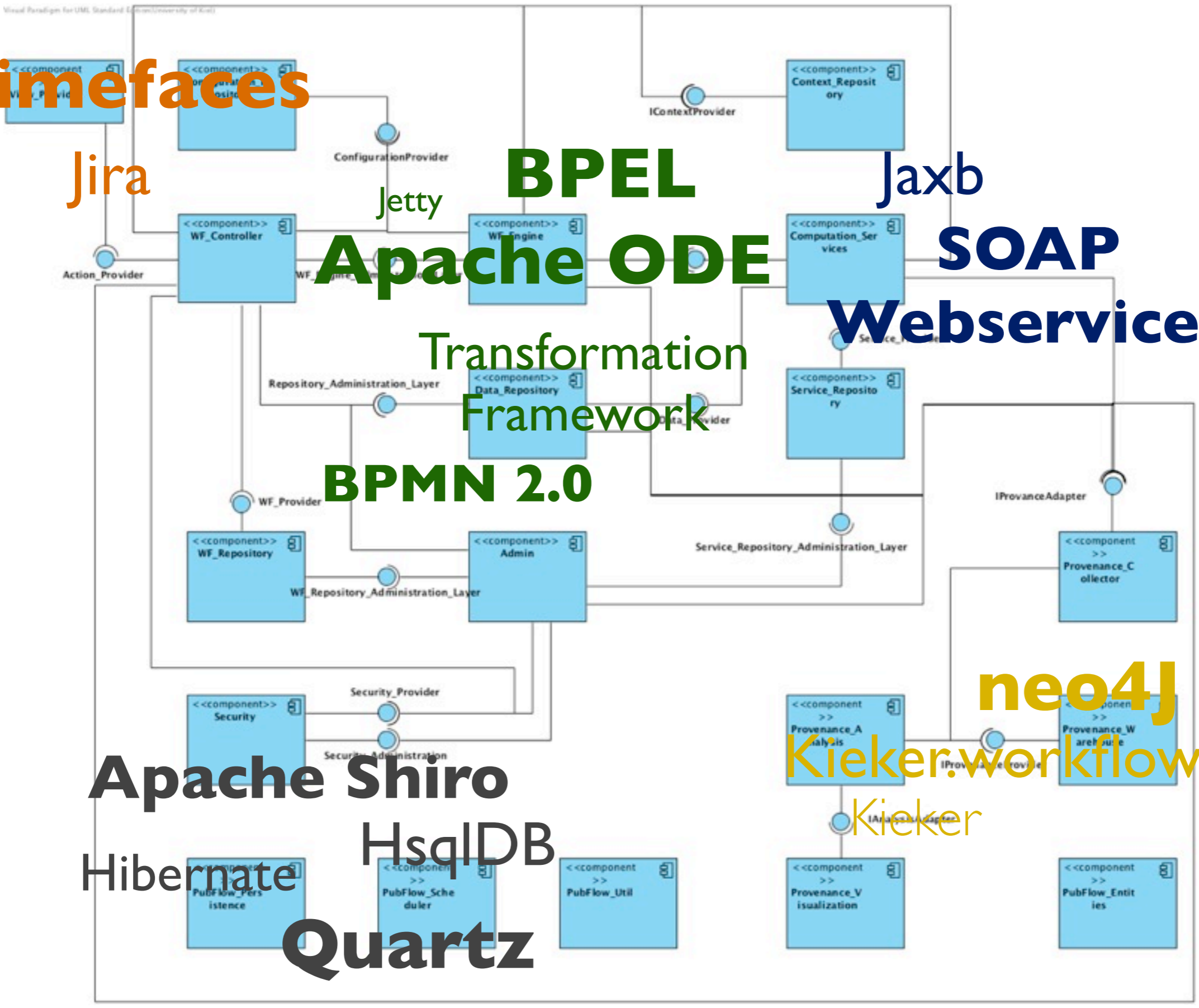
Hibernate

Quartz

neo4j

Kieker.workflow

Kieker



[Folders](#) [My Documents](#) [Recent Documents](#)

Folders »

SampleData

[Add Subfolder](#) [Permissions](#)

Folder	# of Folders	Action
Showing 0 results.		

Documents

Search [Search this Folder](#) [A](#)

Name	Modified Date	Peer Christoph Brauer	0.2k	0	Provenance	PubFlow	Actions
SampleFile.rtf	10/29/12 2:10 PM						

Showing 1 result.

[Access from my desktop.](#)

- Upload to Pangaea
- Check Quality
- Provenance

PubFlow

- Upload to Pangaea
- Check Quality
- Provenance

PubFlow Actions

GraphBrowser

localhost:8080/pages/GraphBrowser.xhtml

Repository Edit Export Help

Provenance-Recordsets

- OCN_to_Pangaea
 - 2012.10.09
 - 2012.10.10
 - 11:01 - run 000
 - TempSensor_0
 - TempSensor_1

Provenance Graph

```
graph TD; OCN-Workflow[OCN-Workflow <Activity>] -- WasGeneratedBy --> Pangaea-Dataset[Pangaea-Dataset <Entity>]; OCN-Workflow -- Used --> OCN-Dataset[OCN-Dataset <Entity>]; OCN-Workflow -- WasAssociatedWith --> PubFlow-System[PubFlow-System <Agent [Software-Agent]>]; PubFlow-System -- AddedOnBehalfOf --> DataManager[DataManager <Agent [Person]>]; Pangaea-Dataset -- WasDerivedFrom --> OCN-Dataset;
```

Graph for OCN_to_Pangaea 2012.10.10 11:01 run 000

Info

Name: OCN_To_Pangaea
Type: Publication Workflow
Time: 2012.10.10 11:01
Duration: 23s
Note: none

PubFlow

Zusammenfassung

- ▶ BPMN-Workflows
- ▶ Transformation BPMN > BPEL
- ▶ Apache ODE
- ▶ JIRA als Nutzer-Schnittstelle
- ▶ Kieker
- ▶ Provenienzdaten-Erfassung

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