PubFlow
a scientific data publication framework for marine science

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funded by
www.pubflow.de
Motivation
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• 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
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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

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