



Delta Science Vision – Sustaining Data Integration Efforts while Taking Advantage of Constantly Evolving Technology

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Delta Science Plan

“One Delta, One Science”

1. Host Data Summit

**2. Develop
Guidelines for
Data Sharing**

DELTA SCIENCE PLAN 12/30/2013

Delta Science Plan



One Delta, One Science

December 30, 2013

2014 Data Summit



Why Improve Data Integration?

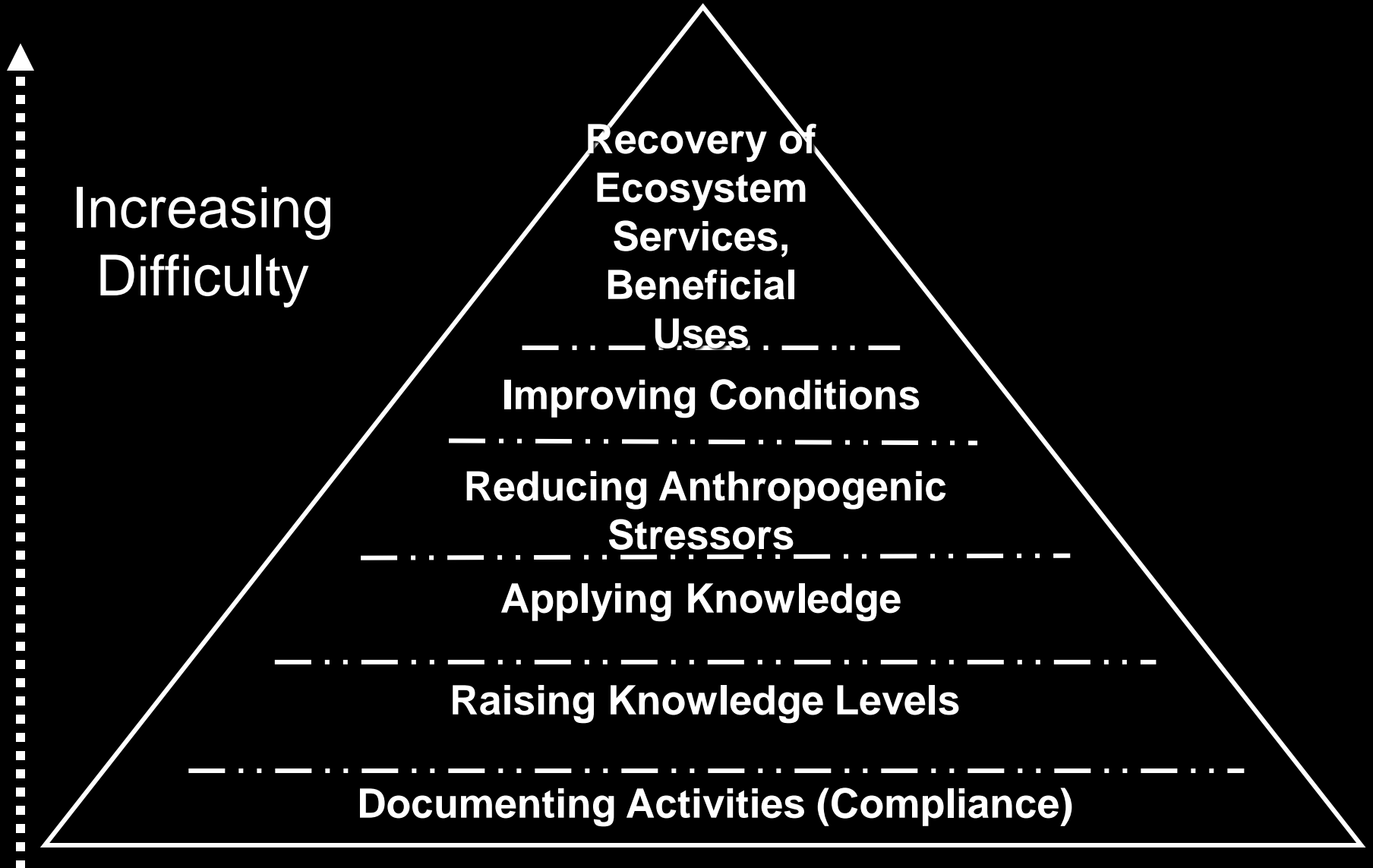
“Information is data endowed with
relevance and purpose”

Peter F. Drucker

“Only a synthetic, integrated, analytical approach to understanding the effects of suites of environmental factors [stressors] on the ecosystem and its components is likely to provide important insights that can lead to the enhancement of the Delta and its species.”

National Research Council, 2012

Assessment Outcome Levels



Challenges to Data Integration

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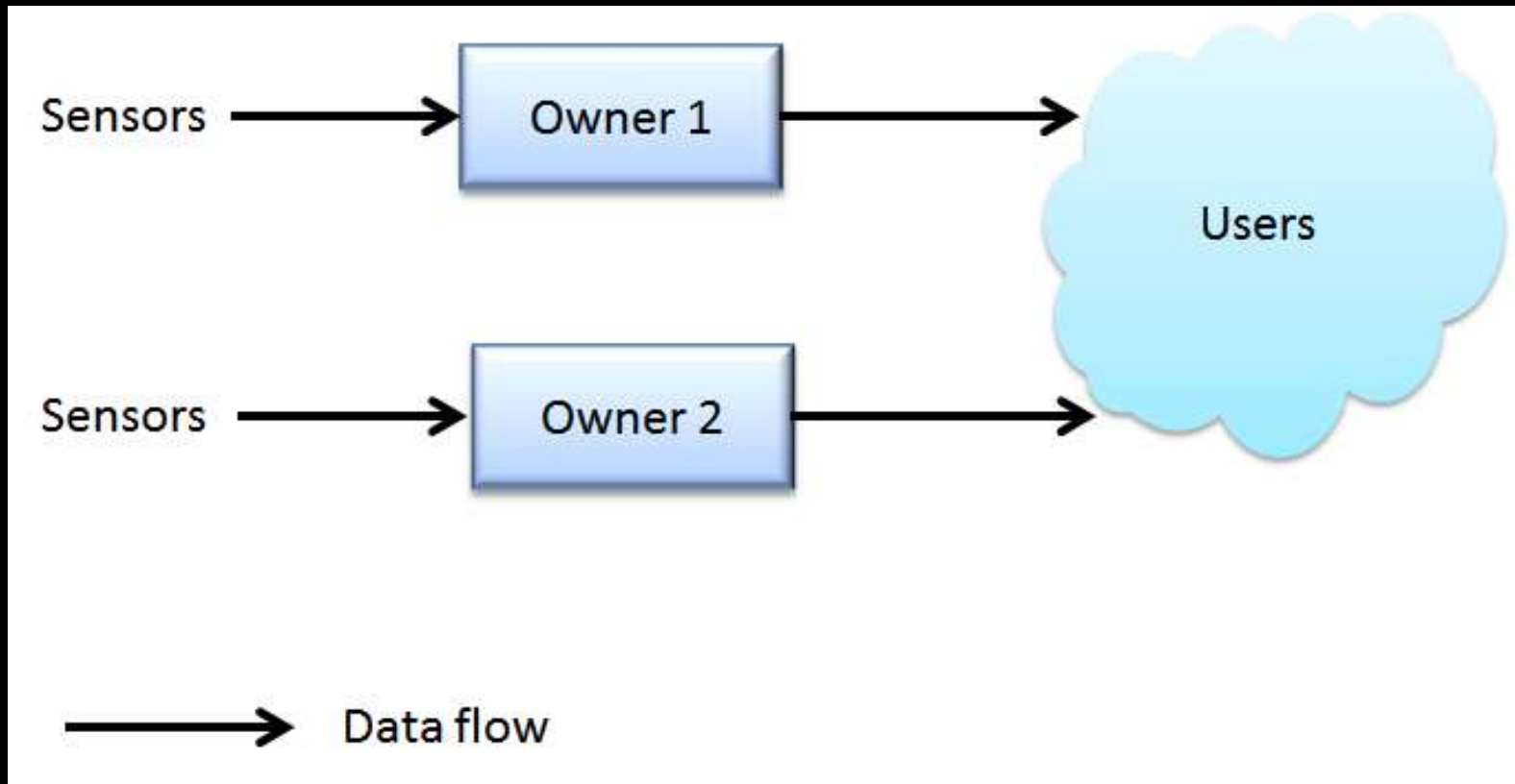
Challenges to Data Integration

- Expectations for “transparency”
- Data quality standards and documentation
- Heterogeneous data
- Unanticipated costs
- **Lack of cooperation and coordination**

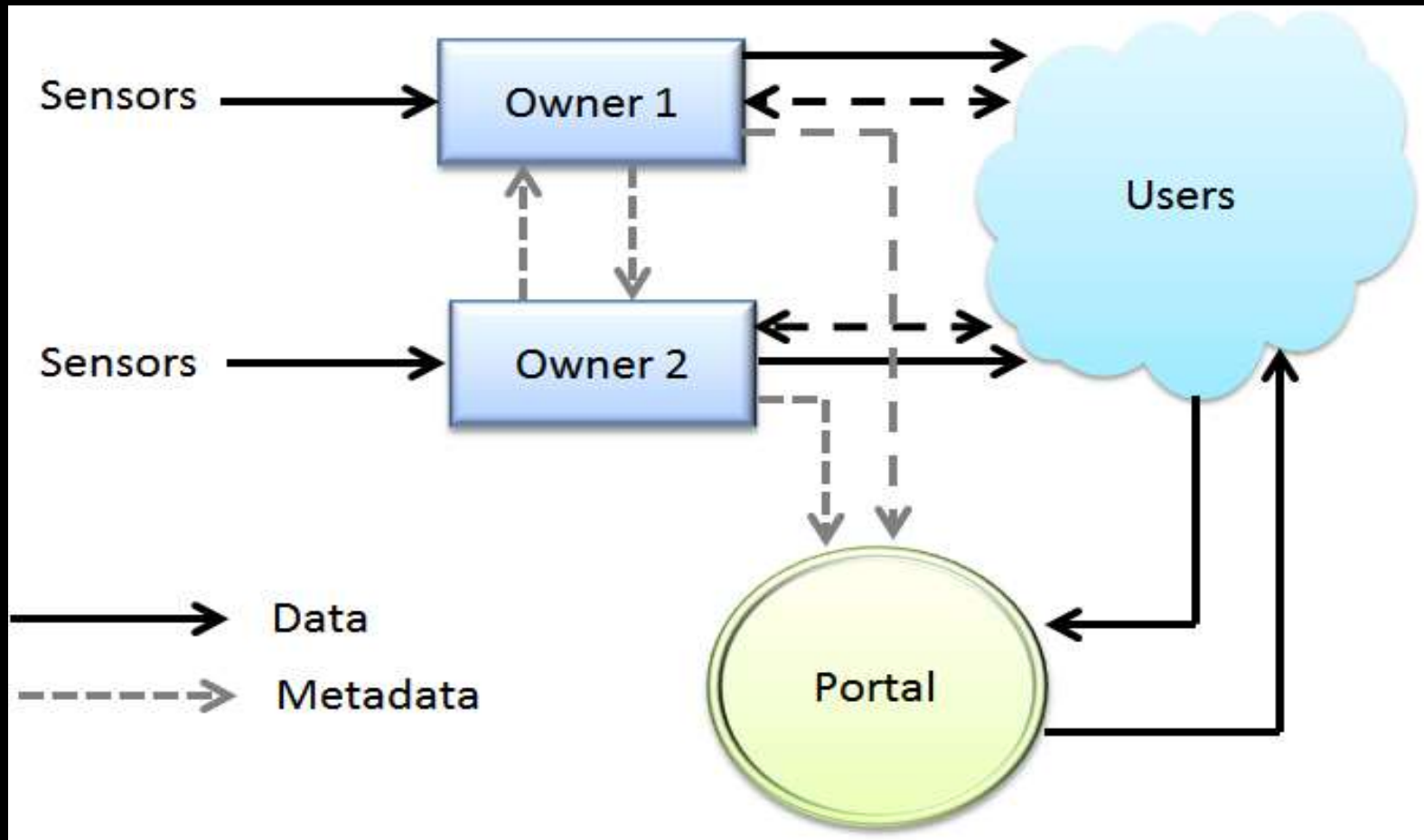
A Path Forward

- Sign on to a federated data model

Compare this...



...with this



A Path Forward

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- Promote metadata standards

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- Promote and document data standards
- **Require data management plans for all data acquired**

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- **Develop and use web services for data sharing**



Thank You!