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**

2014 Data Summit

Why Improve Data Integration?

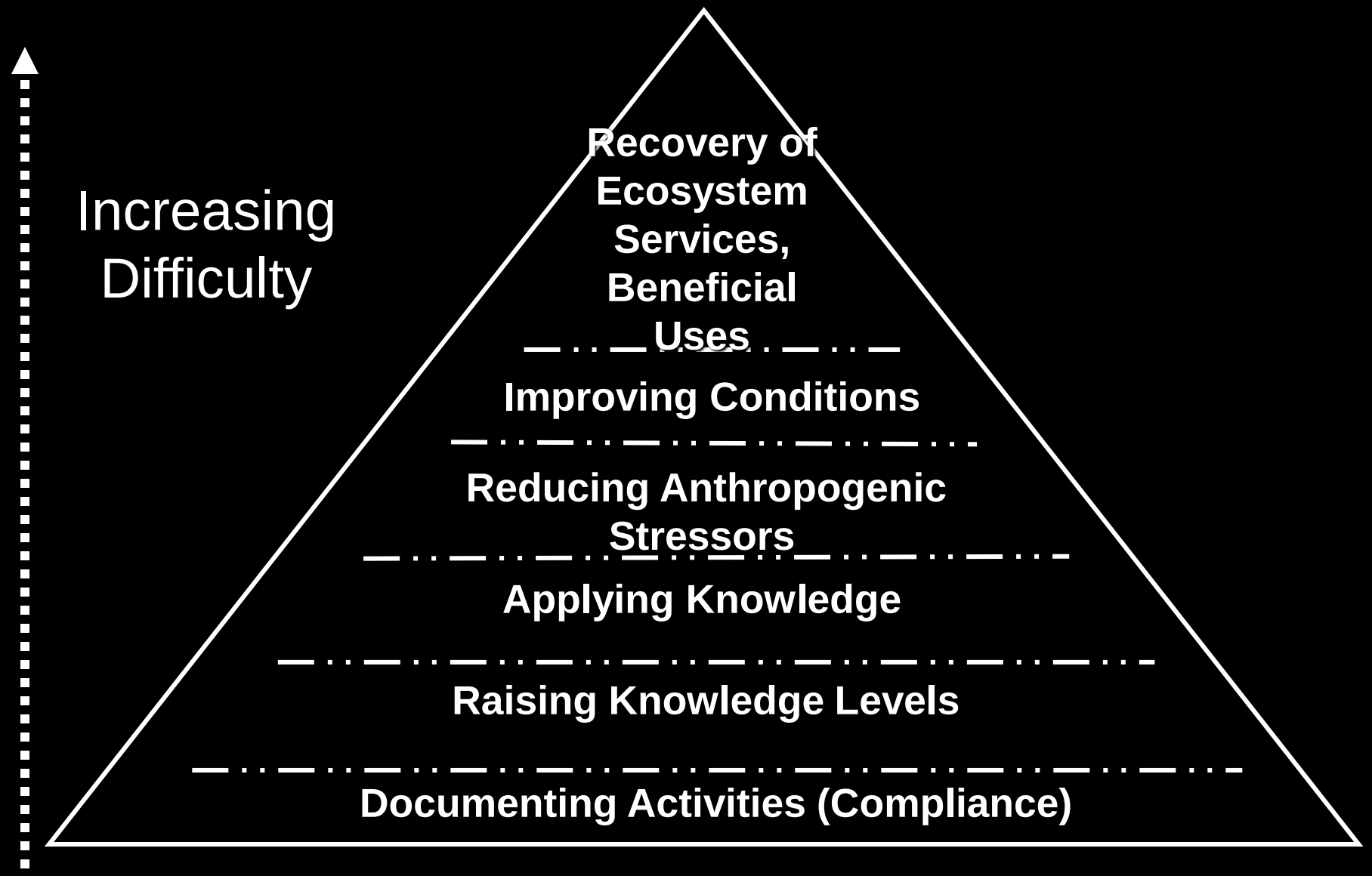
"Information is data endowed with relevance and purpose"

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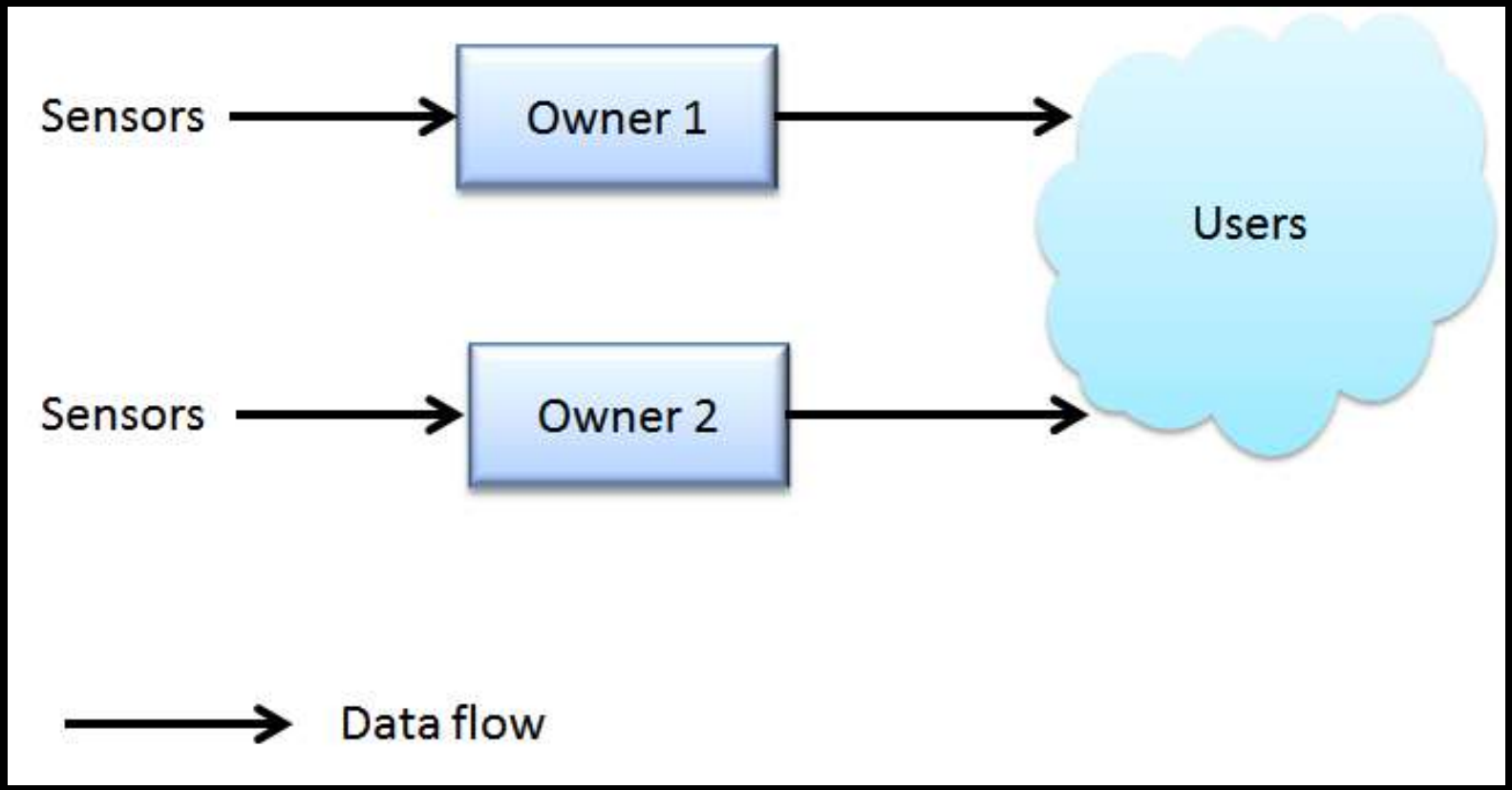
- Expectations for “transparency”
- Data quality standards and documentation
- Heterogeneous data
- Unanticipated costs
- Lack of cooperation and coordination

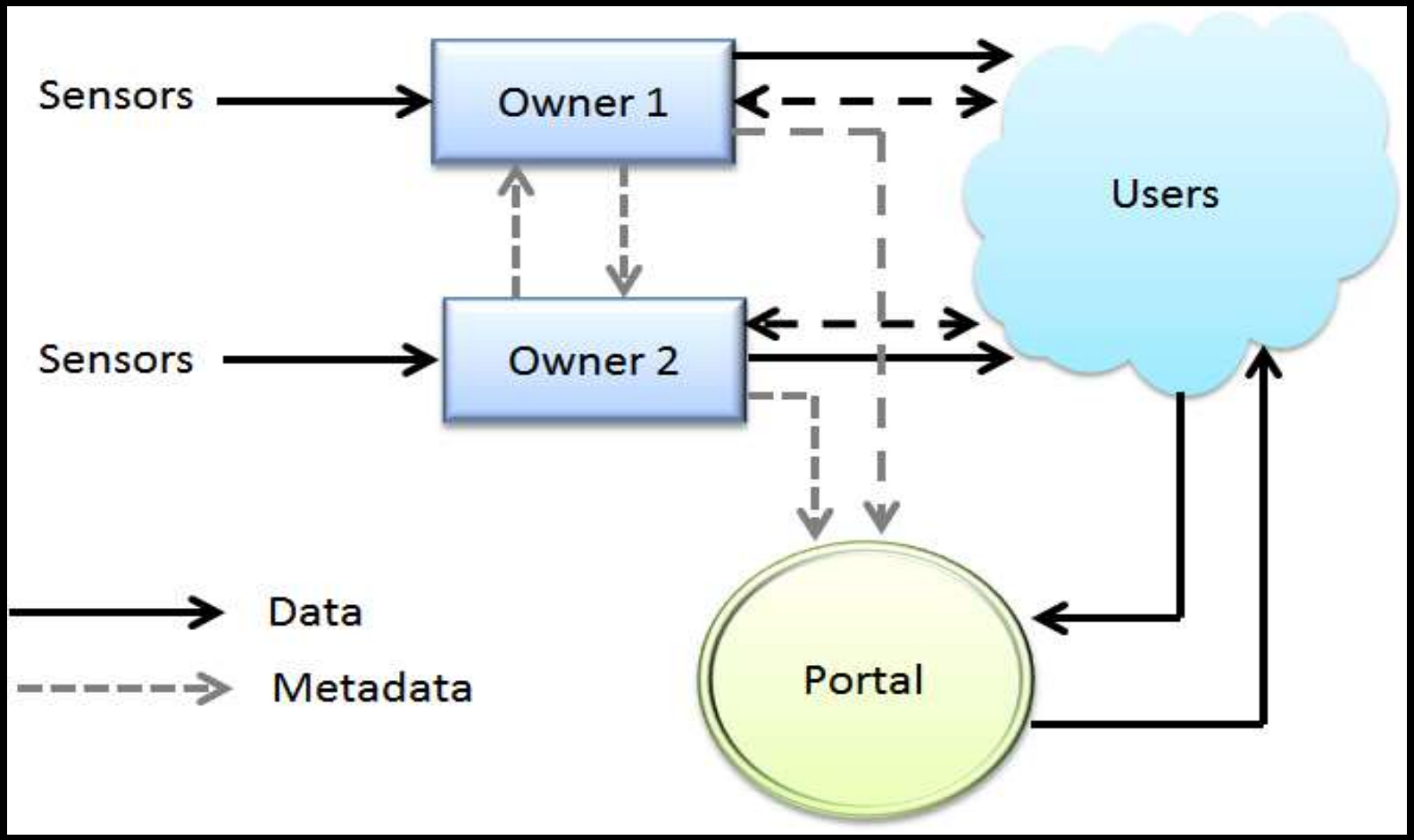
A Path Forward

- Sign on to a federated data model

Compare this…



…with this



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- Require data management plans for all data acquired
- Embrace data of different quality, resolution, sources, as long as attributes are documented
- Develop and use web services for data sharing

Thank You!