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• Karen Baker  
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“LTER PAL: Sociotechnical Informatics”

• Naomi Oreskes  
UCSD Professor of History  
Chair of Science Studies Program  
“Data Today”

• Florence Millerand  
CIP Postgraduate Researcher  
“Data, Infrastructure and Interoperability: Highlights from Social Informatics”
Figure 1: Science Domains and Communities of Practice (CoP)

Baker, Bowker, Karasti 2002
In partnership with Science Studies …

**in 2002**
- technology
- structured
- current
- data
- metadata
- future
- narrative
- science

**Science**
- service
- manage
- design

**Data**

**Technology**
in 2003
In Partnership
Considering the Information Ecosystem
and the Human-Digital Interface

Environmental Scientists
and
Social Scientists

Observer
Intervention
Quantitative
Qualitative
Objective
Subjective

Infrastructuring
Information Flow
Collaboration
Design

Local Knowledge
Memory (intuition)
Innovation
Fun
Sustainability
Sociotechnical Research


*What processes are in place to capture local knowledge in long-term datasets.

Human Dimension
Land use change
Environmental history
Stakeholder identification
Water use survey
Policy analysis
Residence survey
Decision-making
Sociology of collaboration

Palmer
Social informatics
Human impacts
Environmental perception