

ORGANIZING FRAMEWORK NEEDED...

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## LEVEL 1:

### FOSS “PROJECT” RESEARCH

Social organization questions

- Institutional designs
    - publics/commons (Gerson)
    - Bazaar/Cathedral (Wasserman)
    - “Layered collaboration”/  
task granularity – Howison, German
    - Licensing – Jensen, German
    - Central control/decision processes/  
Governance – Reppenning, Riedl
    - Requirements gathering – Lyytinen, Bach
    - Communication channels - Peters
  
  - Collaborative tools – Wegstrom
  - Leadership – Wallin
  - Participants, positions, roles
    - Learning – Mockus
    - Work assignment – Mockus
    - Motivations - Sims
    - Participation - Peters
    - Programmer behavior - Riehle
  
  - Social capital (e.g., trust) – Noll, Howison
- ... others

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## MEDIUM SCALE: DIRECT EXTERNAL INFLUENCES/GENERIC ISSUES

Legal

- Licenses (German)
- Heterogeneous ones (Alspaugh)

Usability/Requirements/HCI

Remix/reuse issues (Bach, Sim, Bach)

Web 2.0, Cloud and FOSS (Wagstrom, Kelty)

Business

- Factors for choosing FOSS/Proprietary – Greiner
- Financial impact/value – Gobeille

Policy issues

- FOSS in high criticality domains – Hissam
- FOSS in higher education – Bowker, Morelli

Government participation

Nonprofit participation

Cultural factors

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INTERACTION  
QUESTIONS

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Government participation

Nonprofit participation

Cultural factors

Collective action across/between organizations

- open standards

**BROAD SCALE:  
POLITICAL/  
ECONOMY OF  
FOSS**

Gov policies  
• open standards/  
interoperability

Adoption research - Madey  
• national security  
• economic competitiveness  
• innovation

Economic impact  
• Labor markets

Expansion to other domains  
Or other “recursive publics”  
• open gov - Wasserman  
• hardware – Wagstrom  
• science - Morelli

International variation  
questions

Democratic politics  
• Public participation (Kelty)

Culture

Globalization/International  
collaboration (e.g., US-EU;  
South-South)

## Where are the critical “hotspots” for Study in next 5-10 years?

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    - Motivations - Sims
    - Participation - Peters
    - Programmer behavior – Riehle
    - role of external community
  - Social capital (e.g., trust) – Noll, Howison
  - ... others

### MEDIUM SCALE: DIRECT EXTERNAL INFLUENCES/GENERIC ISSUES

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  - Financial impact/value – Gobeille
- Policy issues
  - FOSS in high criticality domains – Hissam
  - FOSS in higher education – Bowker, Morelli
- Government participation
- Nonprofit participation
- Cultural factors
- Collective action across/between organizations
  - open standards

### BROAD SCALE: POLITICAL/ ECONOMY OF FOSS

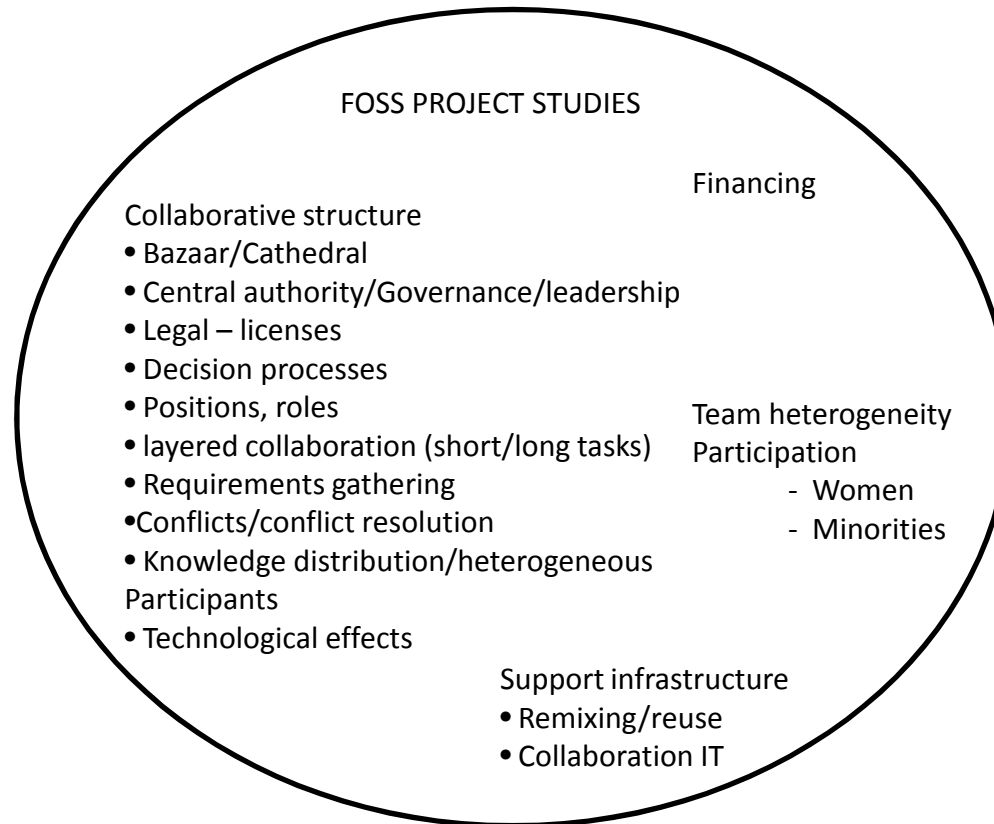
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# A Landsat system for FOSS?

- ND and FlossMole – “remote sensors of FOSS”
- What methods need to be supported?
  - Quant; Case Studies; Longitudinal; Modeling/simulation; network analysis
- What areas of organizing framework are key focal points?
- What sensors/resolution are needed?
  - E.g., standards for case data to promote comparative and meta-analysis
  - Data needed for studying business models
- LTER network for FOSS-related studies

## Positions:

Significant focus on internal project issues or multi-project research





# Some focus on projects and connections to “external influences”

