

***FORS-SSP workshop***  
*3 April 2022*

# **Data diversity and public good research**

Coordination: Guy Elcheroth & Brian Kleiner

# Data diversity and public good research, in a nutshell

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## Three over-arching objectives

- Engage with the world's multiple crises; be reflexive about the foundations of scientific engagement
- Make research samples and methods more diverse, to reflect and serve diverse societies
- Treat research products as commons goods; practice open science in a fair, effective and creative manner

**One working group**, within an open web of collaborations

**Five research modules**

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# Overview by research modules


## **Data sharing:** current practices, obstacles and policies (lead: Brian Kleiner)

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### **Key developments in 2022 :**

- New data collection, to examine bias in the FORS archive (archived datasets are not representative of registered projects)
- Background: Data that are sensitive or involve challenges for anonymisation and informed consent are less likely to be archived
- Method: 40 semi-structured interviews with researchers who did not share their data (with Alexandra Stam & Nicolas Fedrigo)
- Main finding: *Lack of resources* (time, skills and access to services) are a critical barrier for data sharing (as important as data protection issues)
- Results presented at IASSIST conference in Gothenburg, in June

### **Future plans :**

- Written publication of findings ?
  - Possible extension: examination of practices at other archives in Europe
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**Engaged science:** studying climate action in the era of global warming (lead: Oriane Sarrasin)

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**Key developments in 2022 :**

- Analyses of the Mosaich 2020 data (with Dimitrios Lampropoulos, Fantine Surret, Johann Suchier, Felix Bühlmann & Fabrizio Butera)
- Main research question: Do support for degrowth and perceived planetary interdependence mediate the link between political orientation and climate (in)action? (better than climate change denial, seen as the main problem in US publications, yet not so present in Europe)
- Initial SEM analysis suggest an affirmative answer

**Future plans:**

- Interdisciplinary publication
  - Add ideological climates at the commune and district levels
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**Climate justice:** a social stratification approach to pro-environmental values (lead: Nathalie Vigna)

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**Key developments in 2022 :**

- Exploratory analyses of the ESS 2016 data (with Oriane Sarrasin)
- Background: class dimension to public discontent in relation with the impact of climate change and/or climate policies
- Findings: differences in environmental values across the social hierarchy in most European countries
- Preliminary results on urban-rural differences are less promising

**Future plans :**

- A publication based on ESS data planned for next autumn




# **Data mixing:** innovations in mixed methods and multilevel designs (lead: Guy Elcheroth)

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## **Key developments in 2022 :**

- Publication on mixed methods with hard-to-reach populations (with Marc Perrenoud and Pierre Bataille)
- Preprint on multilevel models of collective action propensities, with aggregate indicators on community climates and geocoded context data on material environments (with Sandra Penic, Karsten Donnay, Ravi Bhavnani, & Mai Albzour)
- Launch of a mixed-methods study on the ecological and social transition at UNIL (with Oriane Sarrasin, Charlie Jobin, Camille Aymon, Oxana Mroczec, Mathilde Jospeh & Malika Naula)

## **Future plans :**

- Waves 2 & 3 (rolling design) of the UNIL transition project
  - New study on the scientific consensus regarding the efficacy of different types of climate action, and its methodological underpinnings: systematic literature review, expert survey and consensus workshop (with Brian Kleiner, Oriane Sarrasin, Hirow Khoshekdaman & Nicolas Becciolini)
  - Publication project on a two-wave, two-sites, mixed-methods study: the impact of community workshops on collective resilience to inflammatory leadership
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## **Minority representation:** Invisibilisation of non-normative experiences (lead: Nora Dasoki)

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### **Key developments in 2022 :**

- Paper draft on the invisibilisation of minority (or non-normative) experiences through the different stages of the data life cycle (with Erika Antal, Guy Elcheroth, Sandrine Morel & Robin Tillmann)
  - Data production
  - Data use
  - Data sharing
- Implication for survey practitioners

### **Future plans :**

- Submission of the paper to the “FORS Guides” series
- Ongoing discussion on how to develop the topic (on the design of future studies on selective memory, minority representation...)







Research example

# Mixed-methods study on the ecological and social transition at UNIL (mandate from the UNIL rectorate)

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## Over-arching aims

- Take a snapshot on environmental sensibilities, experiences and expectations across the UNIL community
- Study social change at the campus over one year
- Explore whether the Transition Assembly functions as a catalyst of change

## Longitudinal design

- Phase 1 (February - March 2023): Initial pool of participants (N=1'596)
- Phase 2 (March - July 2023): 15 weekly mini-waves (n=150)
- Phase 3 (August - November 2023): 15 weekly mini-waves (n=150)

## Mixed methods design

- Online survey (permanent, rotating and emerging items)
  - Direct observations of the Assembly sessions
  - Qualitative interviews with key informants
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# Mixed-methods study on the ecological and social transition at UNIL (cont.)

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## Mixed methods tools

- Weekly internal survey barometer guides qualitative fieldwork
- Qualitative observations feed into new survey items
- Survey responses (and non-respondent feedback) guide purposive sampling for qualitative interviews
- Thematic analysis of (weekly) open-ended question

## Scientific engagement

- Analysis of a participatory process
- A study on cognitive diversity, self-selection and silence in collective deliberations
- Reflexive dimensions: acting on science, surveying peers...



# Proposals for joint activities

## Join us

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- **Discuss a research project**
  - On data sharing (—> [contact Brian Kleiner](#))
  - On engaged science (—> [contact Oriane Sarrasin](#))
  - On climate justice (—> [contact Nathalie Vigna](#))
  - On data mixing (—> [contact Guy Elcheroth](#))
  - On minority representation (—> [contact Nora Dasoki](#))
- **Join the working group (—> [contact Guy Elcheroth](#))**
  - Group meetings on Thursday 9-10h (Friday 9-10h during the Autumn semester)
  - Multiple formats: publication reviews, manuscript discussions, test presentations and brainstorming sessions
  - Collaborative diary: everyone can choose a topic and format, and schedule the session



# Assign the next graduate assistant to our programme

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The phd-project should aspire to break new ground in at least one of the following methodological fields:

- Inclusive sampling / participatory research
- Collaborative research and data sharing / open science practices
- Multi-method research / multiple data sources

...and apply it to a relevant substantive topic (e.g. environmental justice)



# Workshop proposal

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**Proposed topic:** *The different facets of scientific integrity in the social sciences*

- **Transparency** (open science, data sharing, replication)
- **Responsibility** (public accountability, engaged science)
- **Independence** (academic freedom, conflict of interests, funding)
- **Benevolence** (ethical treatment of participants and stakeholders)
- **Equity** (inclusive research, fair sharing of benefits and burden)

## Possible formats

- Invited stimulus talks followed by round-table discussions for the five areas
  - Practical sessions (for PhD-students or mixed ?)
  - Wrap-up sessions : exploring grounds for drafting joint statements
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