

# Advancing SMART solutions and eliminating barriers for the Acquisition, Analysis, and Sharing of Health data in Switzerland

## [SMAASH]

### PROJECT SUMMARY

This project aims at investigating existing barriers to the **collection and sharing of health data in Switzerland**.

The study employs a mixed methodology involving systematic literature review, qualitative interviews, a quantitative survey and workshops with stakeholders.

The study findings will be highly useful to further smarter health care in Switzerland concerning treatments, prevention and improved functioning of health services.

### OBJECTIVES

- I. Identifying current needs, barriers, and success mechanisms in relation to health data sharing in Switzerland
- II. Exploring success factors in other countries to inform and guide the development of successful solutions in Switzerland
- III. Understanding the views and attitudes of key national experts to identify existing barriers and inform sustainable solutions
- IV. Delivering a detailed practical proposal to optimize and enhance health data sharing in Switzerland

### STUDY DESIGN & METHODS

The project consists of five sequential parts.

**Part Ia:** Literature review and theoretical analysis to identify success mechanisms, barriers, and needs in Switzerland.

**Part Ib:** Comparative analysis of legal and ethical regulations in Switzerland and European Union.

**Part II:** Semi-structured interviews (n=15-25) with international stakeholders from The Netherlands, Norway and the UK.

**Part III:** Semi-structured interviews (n=40-60) with National experts composing the the following two groups: (a) hospital directors and (b) health data experts.

**Part IV:** Survey questionnaire based on the findings from part II and III.

**Part V:** Workshops with stakeholders and dissemination of results.

The afore listed five parts of the project will be triangulated using a **modified Delphi method**, a structured and interactive method through which data are collected and analyzed in multiple rounds, as presented in Fig.1.

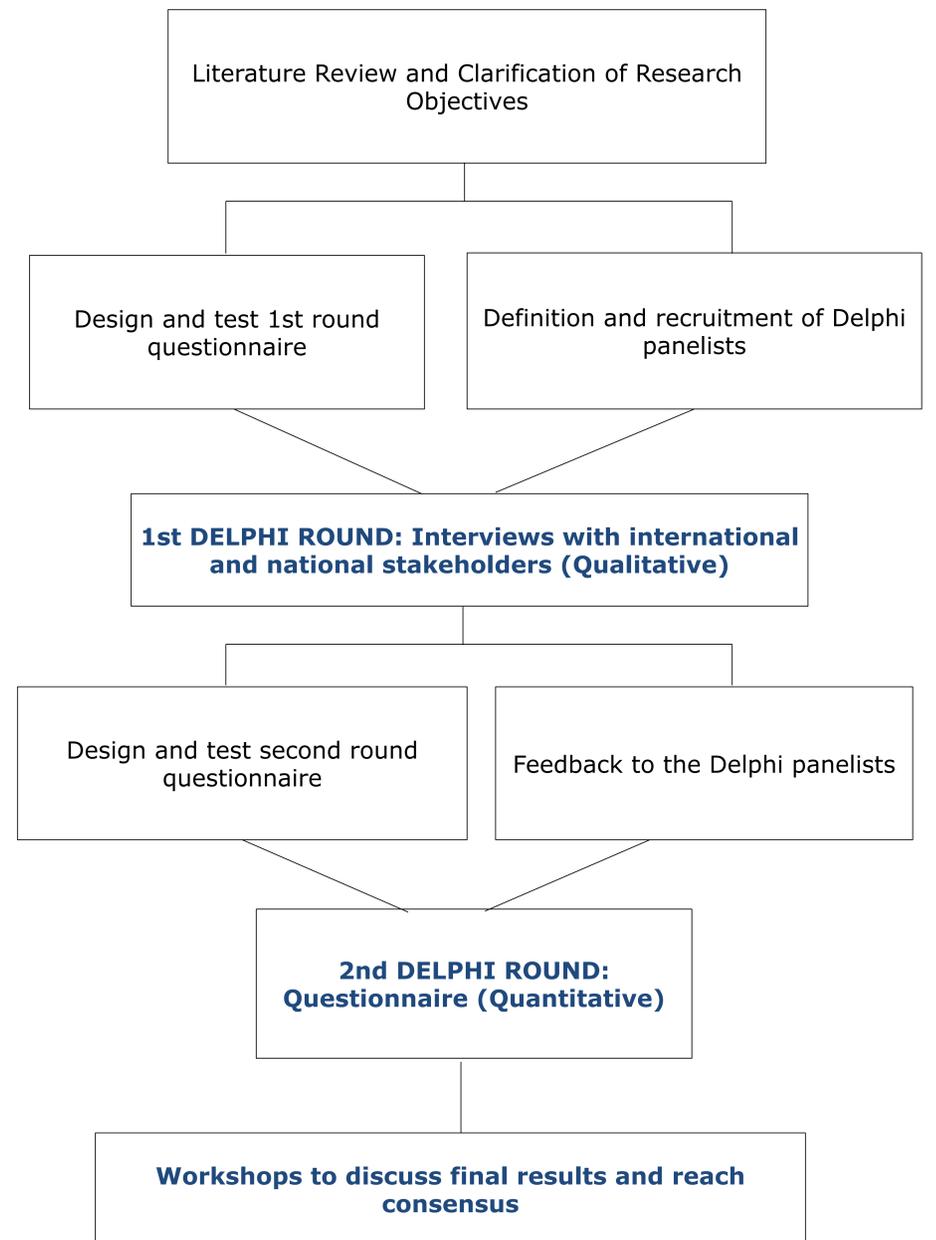


Fig.1: Modified Delphi process

### RESEARCH TEAM

**Principal Investigator:** Prof. Bernice Elger, Institute for Biomedical Ethics, University of Basel; Institute for Legal Medicine, University of Geneva.

**Co-investigator:** Prof. Thomas Perneger, Division of Clinical Epidemiology, University of Geneva.

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**National collaborators and facilitators:** Prof. Valerie Junod (University of Lausanne); Prof. Henning Müller (University of Geneva); Prof. Heiko Scholdt (University of Basel); Prof. Vincent Mooser (CHUV Biobank); Prof. Jakob Passweg (Basel University Hospital); Prof. Daniel Scheidegger (Swiss Council for Science and Technology); Prof. David Schwappach, (University of Bern); Maître Jean-François Dumoulin (Associate Law Firm).

**International collaborators:** Prof. Ezekiel Emanuel (University of Pennsylvania, USA); Prof. Bjørn Hofmann (NTNU, Norway); Dr. Stef Groenewoud (Radboud University, The Netherlands); Prof. Debbie Jarvis (Imperial College London, UK).