

DETAILED PROGRAMME RADONORM TRAINING COURSE

QUALITATIVE RESEARCH METHODS ON THE SOCIETAL ASPECTS OF RADON & NORM: A HANDS-ON EXPERIENCE

Day 1 (29/1/2024): Introduction to qualitative research (4 hours of interactions between the lecturer and participants) - *obligatory*

Introduction to qualitative research: why qualitative method, basic notions, what it is and what it is not, its rationale and use, characteristics and general approaches

Formulating appropriate qualitative research questions

Importance of reflexivity, validity and triangulation in qualitative research

Research ethics in qualitative research, including anonymisation and confidentiality

Introduction to the RadoNorm toolbox: resources and how social scientists and non-social scientists can use it

Lecturers: Dries Van Gasse (University of Antwerp), Gaston Meskens (SCK CEN and University of Ghent), Meritxell Martell (Merience)

Day 2 (30/1/2024): Interviewing (1 hour theory / 3-hours interactive exercise) (obligatory)

What is a qualitative interview?

Different forms of interviewing

Interview protocol

Planning and conducting interviews

Mental models approach

Lecturers: Robbe Geysmans (SCK CEN), Nadja Zeleznik (EIMV), Nazanin Love (University of Hasselt)

Day 3 (31/1/2024): Data analysis from interviews and mental models (1 hour theory / 3-hours interactive exercise) (obligatory)

Coding

Consistency and reliability of categorisation

Thematic analysis

Computer assisted qualitative data analysis software (*with free trial NVivo to be downloaded by all participants*)

Lecturers: Robbe Geysmans (SCK CEN), Nadja Zeleznik (EIMV), Nazanin Love (University of Hasselt)

Day 4 (1/2/2024): Group discussion methods (1,5 hour theory / 2,5-hours interactive exercise)

Collecting data through group discussion methods

Variations of group methods: focus groups, design thinking workshops, Delphi method

Lecturers: Bieke Abelshausen (Vrije University Brussel), Sofie Apers (University of Antwerp), Catrinel Turcanu (SCK CEN)

Day 5 (2/2/2024): Data analysis for Focus groups, Design thinking workshops and Delphi method (1-hour theory / 3-hours interactive exercise)

Coding

Consistency and reliability of categorisation

Thematic analysis

Lecturers: Bieke Abelshausen (Vrije University Brussel), Sofie Apers (University of Antwerp), Catrinel Turcanu (SCK CEN)

Day 6 (5/2/2024): Ethnographic and observational methods (4-hours interactive session)

Different types of observation

Researcher roles

Data collection and analysis

Theory building

Lecturers: Tanja Perko (SCK CEN) and lecturer (tbc)

Day 7 (6/2/2024): Framing analysis (1hour theory/3-hours interactive exercise)

Purpose of framing analysis

Data collection

Analysis

Interpretation

Lecturers: Robbe Geysmans (SCK CEN) and Tanja Perko (SCK CEN)

Day 8 (7/2/2024): Reporting and communicating qualitative research (1hour theory/3-hours interactive exercise)

How and where to use theory

How to increase the societal impact of your research

Audiences, methods, reporting styles

Quoting data

Adapting to audiences: media, policy-makers and decision-makers

Lecturers: David Hevey (Trinity College Dublin), Meritxell Martell (Merience)

Day 9 (8/2/2024): Reviewing and Assessing qualitative research / Qualitative research as part of a mixed method approach (1hour theory/3-hours interactive exercise)

How to assess qualitative research: checklists, reflexivity, sampling, piloting, co-coding, validation

Critical appraisal of a qualitative paper or data interpretation exercise

Facilitators: Tanja Perko (SCK CEN) and Meritxell Martell (Merience)

Day 10 (9/2/2024): Transdisciplinary collaborations and Socio-Technical Integration Research (4 hours interactive session including exercises)

How technical experts and engineers can incorporate the methods and perspectives of the social sciences and humanities. The STIR method (Socio-Technical Integration Research) is a collaborative research method that studies how technical experts take into account the societal dimensions of their work as an integral part of that work.

Invited lecturer: Steven Flipse (Delft University of Technology)