

# Training “Numbers for Policy”, Barcelona August 27<sup>th</sup> – September 1<sup>st</sup>

<http://www.uib.no/en/svt/115575/numbers-policy-practical-problems-quantification>



UNIVERSITY OF BERGEN





Universitat Oberta de Catalunya, Castelldefels



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COURSE

## Numbers for policy: Practical problems in quantification

**When:** 27.08.2018–01.09.2018 Morning

**Where:** Castelldefels, Barcelona (30m train)



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COURSE

## Numbers for policy: Practical problems in quantification

**Who:** Teachers: Bruna De Marchi, Matthias Kaiser, Ragnar Fjelland, Silvio Funtowicz, Jeroen van der Sluijs, Andrea Saltelli



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COURSE

### **Numbers for policy: Practical problems in quantification**

- A brief practical, historical and philosophical reflection on quantification
- Today's' controversy in the use of evidence for policy
- Skills needed to tell apart defensible versus indefensible assessments
- How to spot bogus, implausible or irrelevant quantifications

- The social organization of science by Matthias Kaiser
- The case of the p-test by Andrea Saltelli
- On Reductionism by Ragnar Fjelland
- Prodromes of post normal science by Silvio Funtowicz
- NUSAP's history and practice by Jeroen van der Sluijs
- When laypeople are right and experts are wrong. Lessons from Love Canal by Ragnar Fjelland
- Gentlemen don't publish, by Silvio Funtowicz
- The licence not to quantify. Qualitative versus quantitative analyses by Bruna De Marchi,
- Ethics of quantification by Andrea Saltelli
- Sensitivity analysis by Andrea Saltelli
- When numbers are controversial by Jeroen van der Sluijs
- Issues with ethics. Hippocratic Oath and policy failures by Matthias Kaiser
- Sociology of quantification- Alexandra Theben
- Ethics of algorithms – Alexandra Theben
- Climate controversies by Jeroen van der Sluijs
- Bees and pollinators by Jeroen van der Sluijs
- Sensitivity auditing. The seven rules with illustrations by Andrea Saltelli
- Quantitative story telling by Andrea Saltelli
- The now of science by Silvio Funtowicz
- Richard Feynman between little science and big science (with documentary) by Silvio Funtowicz



Ragnar Fjelland

- On Reductionism
- When laypeople are right and experts are wrong. Lessons from Love Canal



Alexandra Theben

- Sociology of quantification
- Ethics of algorithms





Bruna de Marchi

- The licence not to quantify
- Qualitative versus quantitative analyses



- The social organization of science
- Issues with ethics. Hippocratic Oath and policy failures

Matthias Kaiser



- Prodromes of post normal science
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Silvio Funtowicz



- NUSAP's history and practice
- Climate controversies
- Bees and pollinators

Jeroen van der Sluijs



Andrea Saltelli

- The case of the p-test
- Sensitivity analysis
- Sensitivity auditing. The seven rules with illustrations
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COURSE

### **Numbers for policy: Practical problems in quantification**

**Whom to contact for registration: Sissel Småland  
Aasheim, [Sissel.Aasheim@uib.no](mailto:Sissel.Aasheim@uib.no)**  
**Registration deadline: 01.06.2018 - 16.00**  
**No fee for PhD students**