

# A Modeller's Fingerprint on hydrodynamic decision support modelling



Janneke Remmers

Ryan Teuling

Lieke Melsen



**WAGENINGEN**  
UNIVERSITY & RESEARCH

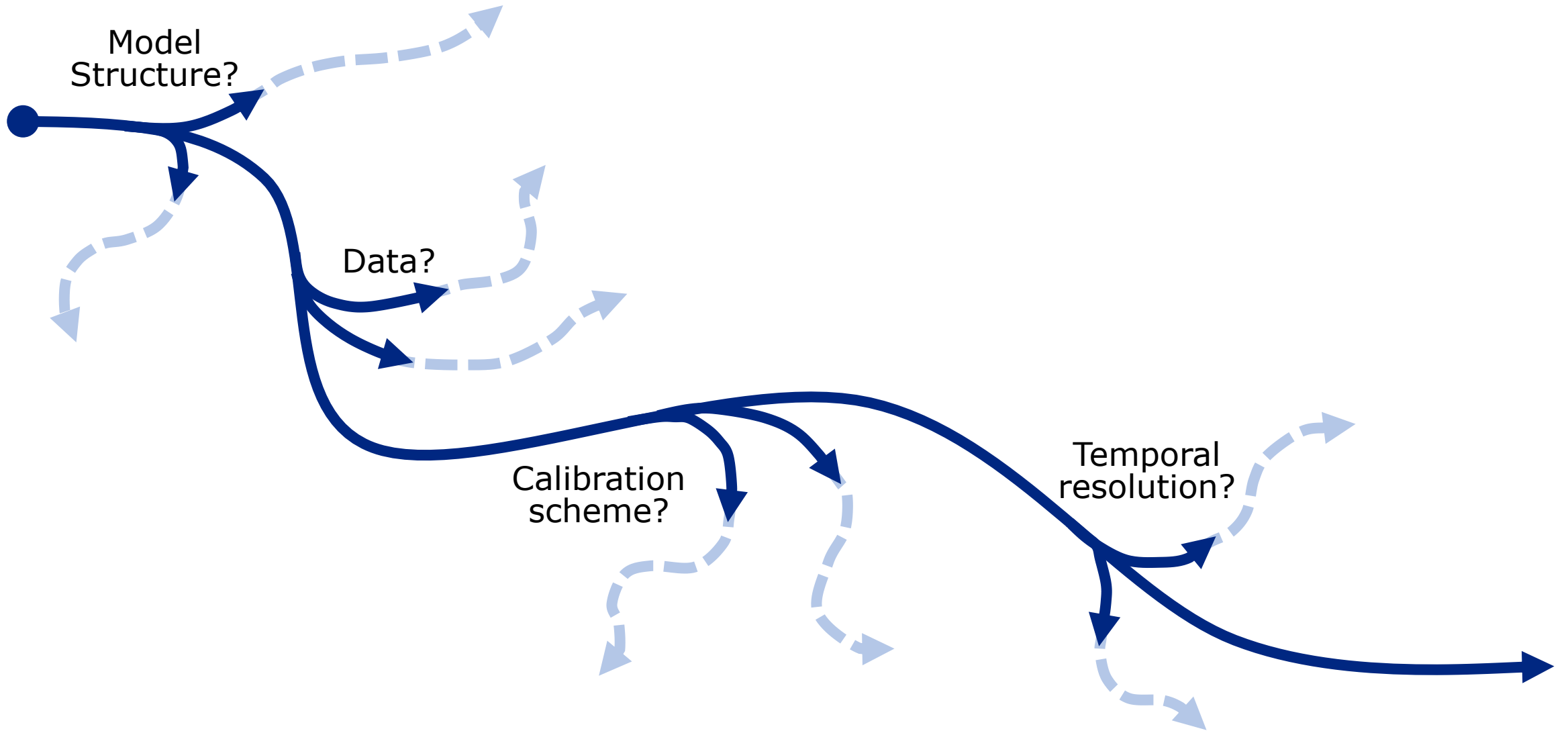
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janneke.remmers@wur.nl



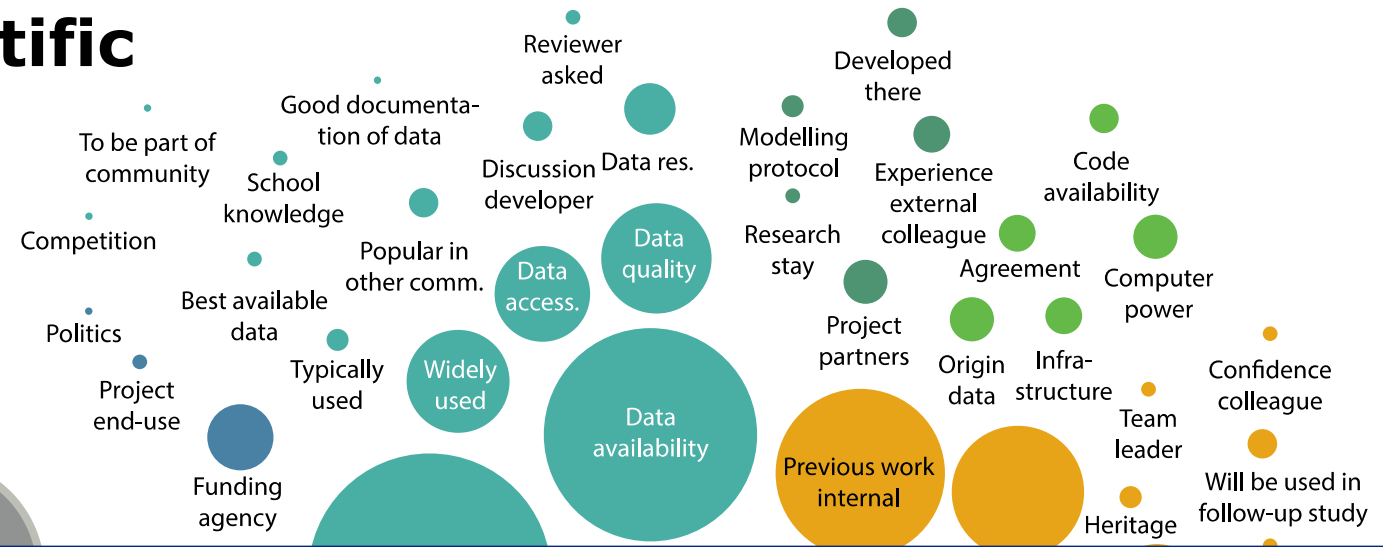
This presentation is based on Remmers et al., *A modeller's fingerprint on hydrodynamic decision support modelling*, submitted to Environmental Modelling and Software

# Modelling process: path dependency



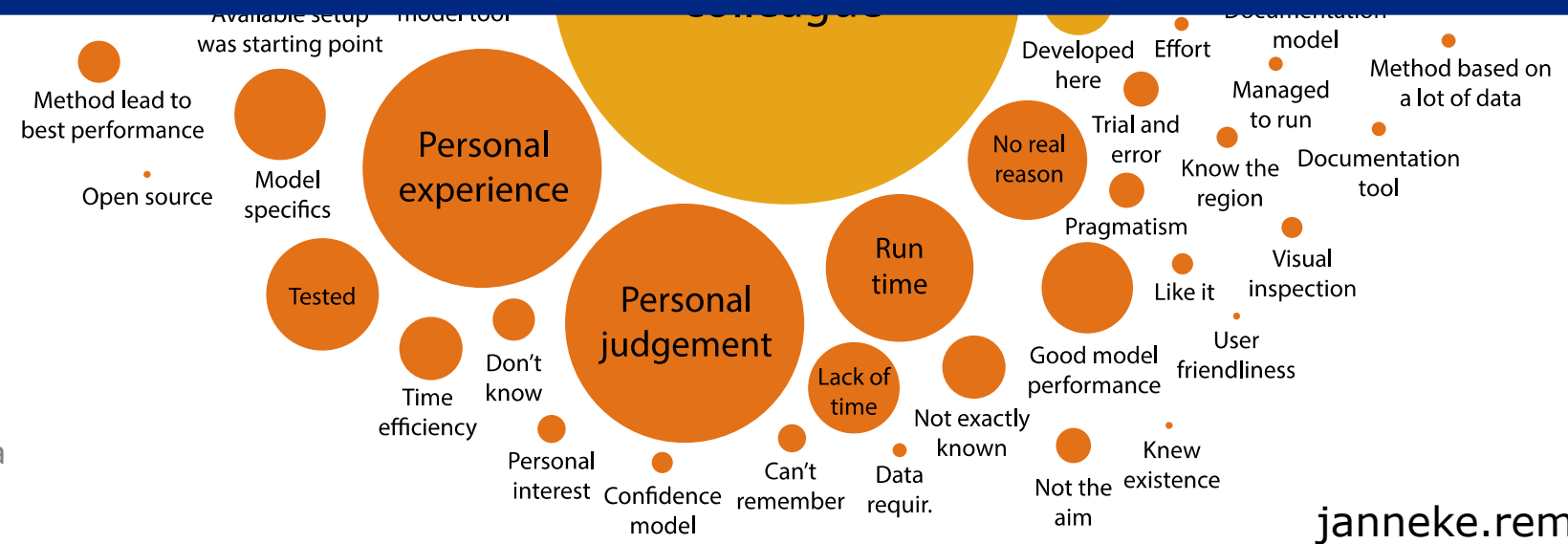


# Motivations: scientific



- Legend
- External party
  - Scientific community
  - Scientific collaborator
  - Institute
  - Team
  - Individual
  - Consequential

**And in a water management setting?**



Melsen, 2022. It takes a village to run a model – the social aspects of hydrological modelling, *WRR*

janneke.remmers@wur.nl

# My study

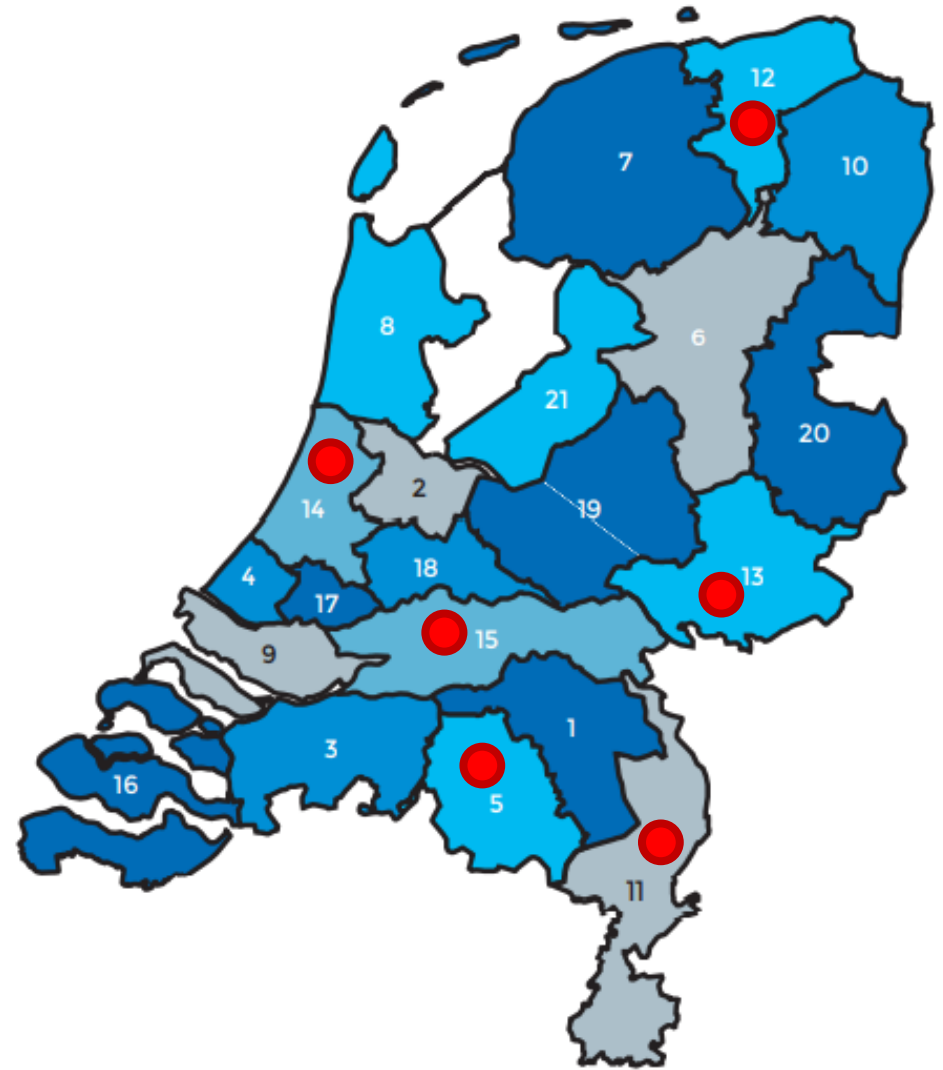


14 interviews

~ 1400 minutes

~ 350 pages

Inductive Content Analysis

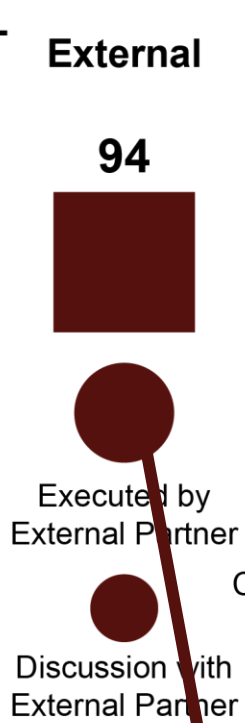
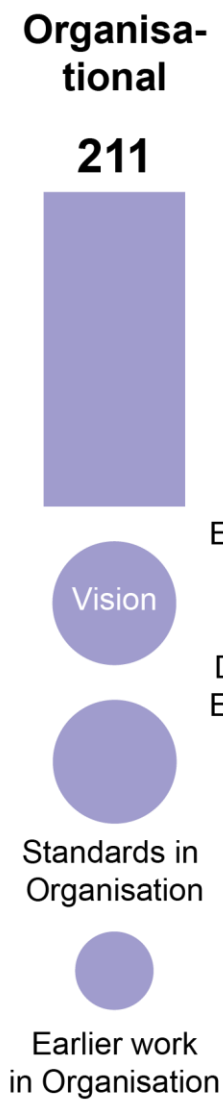


# Motivations:

Personal Insight

Personal Experience

Personal Preference



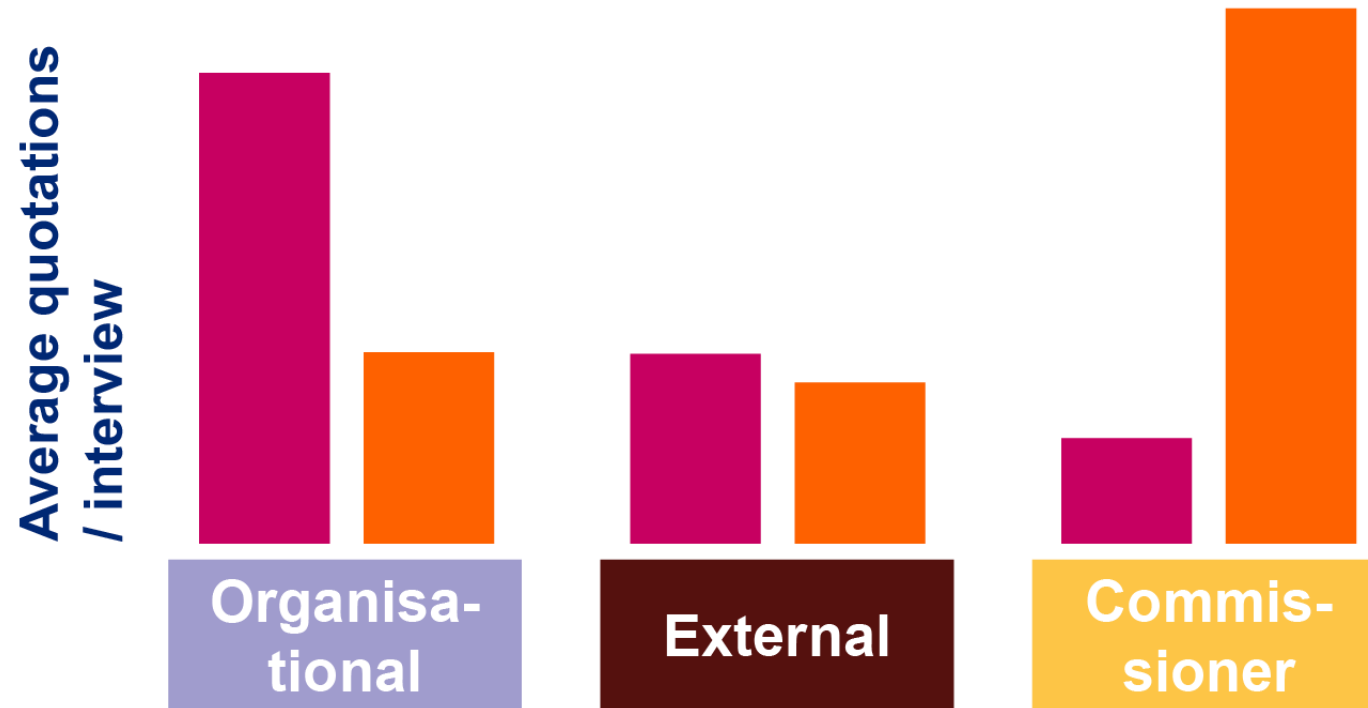
**"Generally used within the governmental organisations."**

**"We always ask a consultancy company to do this."**

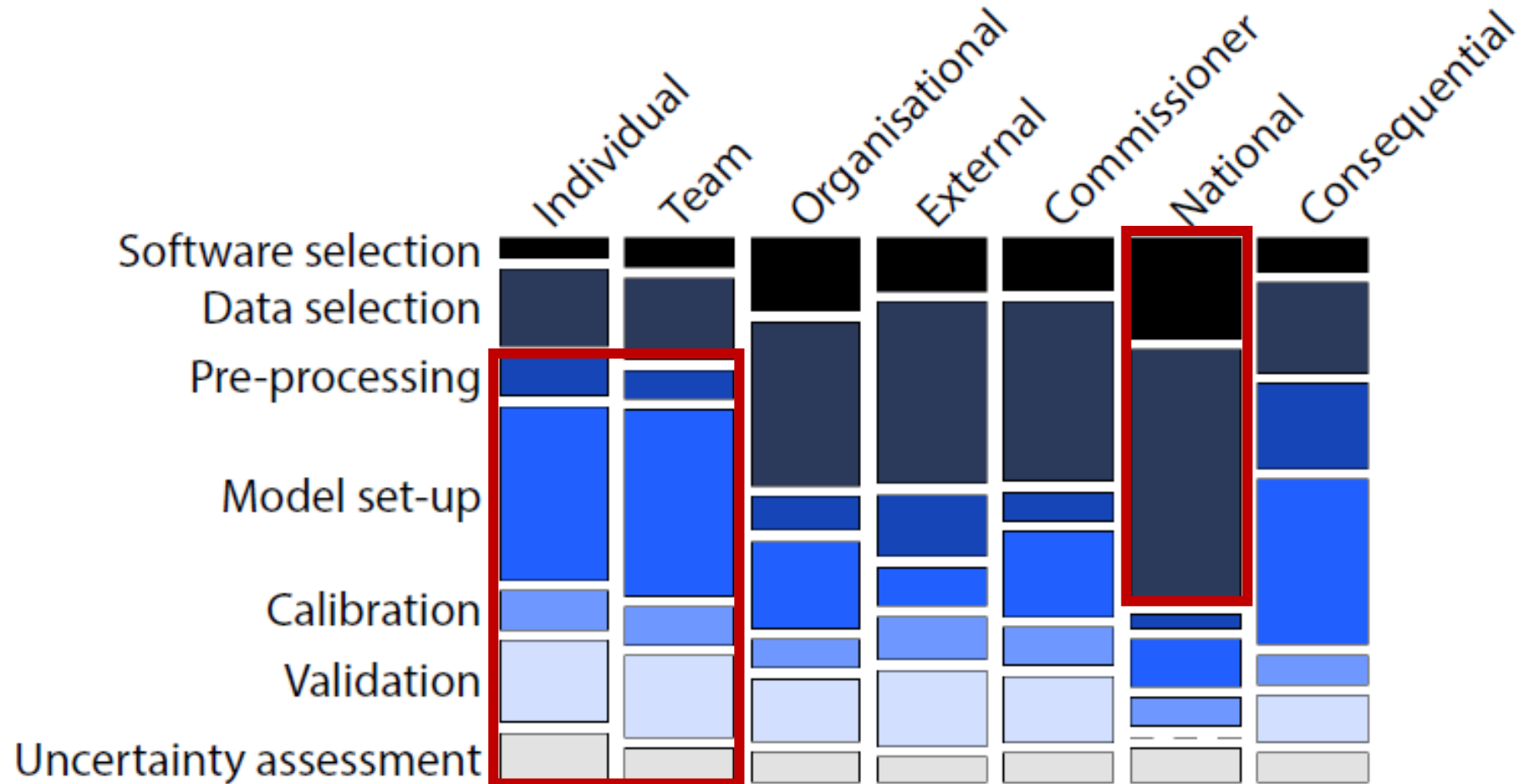
**"I think the default value."**

# Motivations: comparison between organisations

■ = Water Authorities  
■ = Consulting Companies



# Motivations: across the modelling steps

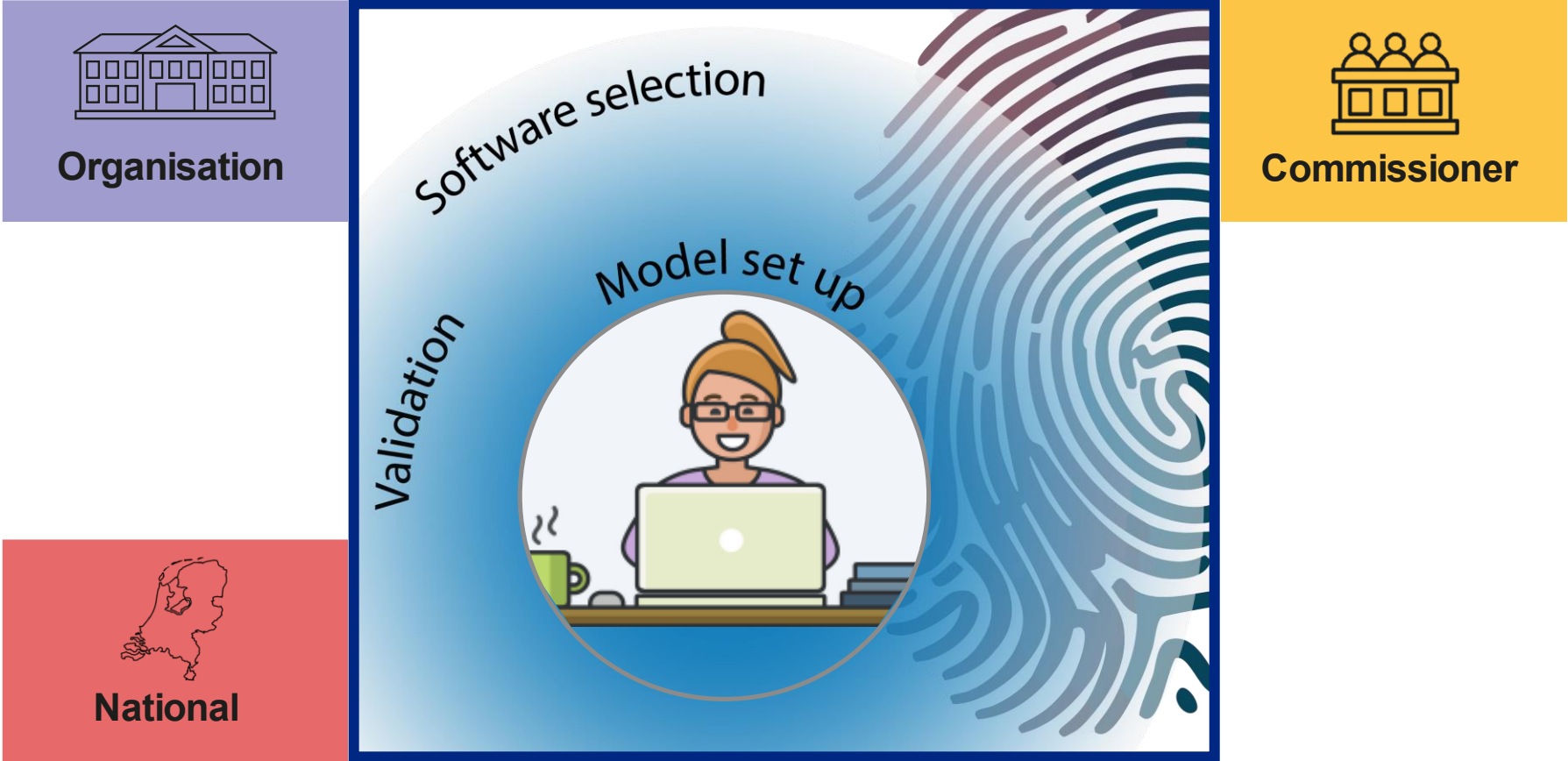




# Modeller's Sphere of Influence



# Modeller's Sphere of Influence



# Thank you!

## Any questions?

janneke.remmers@wur.nl

