

Drivers and barriers for participating in Citizen Science in multi-actor case study

Abeer Almomani^a, Uta Wehn^a, Ken Irvine^b

^a IHE Delft, Department P.O.Box 3015, 2601 DA, Delft, The Netherlands

^b Wageningen University, Droevendaalsesteeg 4, 6708 PB Wageningen, The Netherlands



1. WHY IT MATTERS?

Successful implementation of CS for policy hinges on active participation of multiple actors. Engaging different actors requires thorough understanding of their individual drivers for taking part in CS and the barriers holding them back.



2. MULTI-ACTOR CASE STUDY

Citizen-based air quality and noise monitoring project (2016-2019) in Mechelen, Belgium (<https://mechelen.meetmee.be>)



Citizens (volunteers):
- Members of civil action groups
- Individually interested citizens



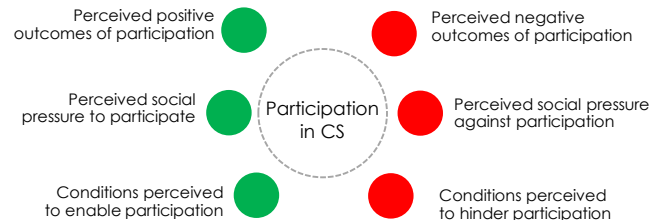
Local authority:
- City administration
- City parliament



Project implementation team:
- VITO: Issue experts & technology providers
- IHE-Delft: Co-creation experts
- Akvo: Technology providers
- Tygron: Technology providers

3. CONCEPTUAL FRAMEWORK

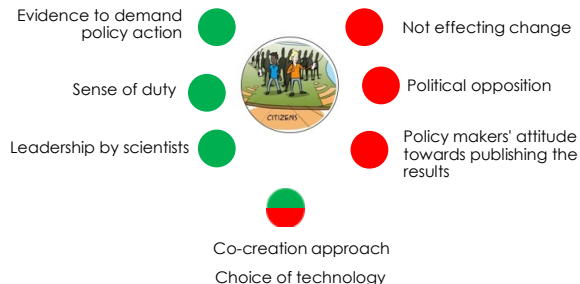
Drivers and barriers for an actor's participation in CS



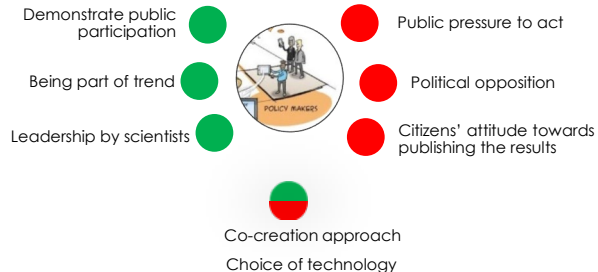
Source: Adopted from the Theory of Planned Behaviour (Ajzen, 1991)

4. RESULTS: KEY DRIVERS & BARRIERS FROM THE PERSPECTIVE OF EACH ACTOR

CITIZENS



POLICY MAKERS



SCIENTISTS & TECHNOLOGY EXPERTS

