

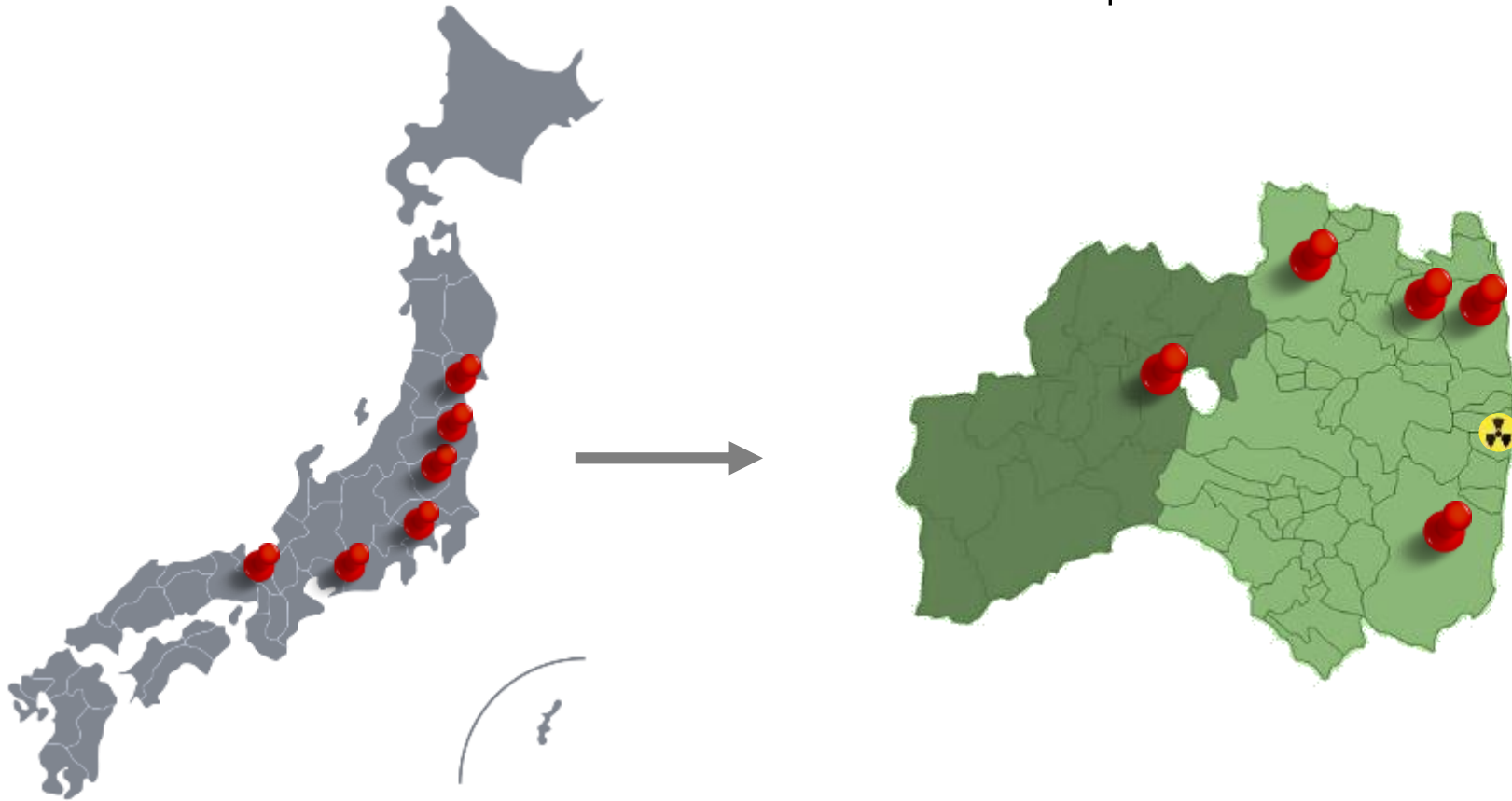
LOCALLY SOURCED: BOTTOM-UP CITIZEN SCIENCE AND LOCAL GOVERNMENTS AFTER FUKUSHIMA

Joke Kenens (KU Leuven, SCK•CEN), Ine Van Hoyweghen (KU Leuven)

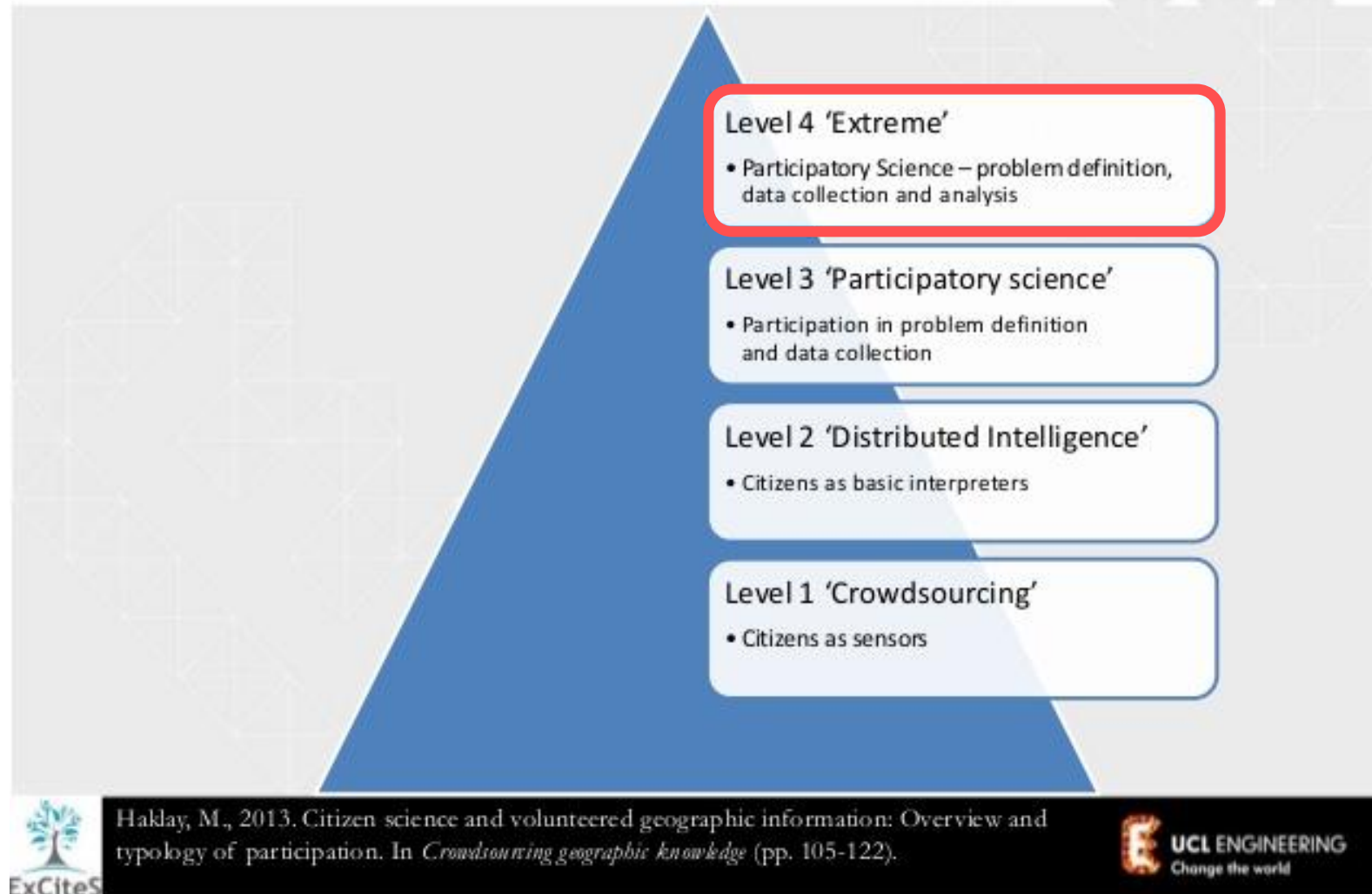


PHD RESEARCH

- Potential of citizen science in nuclear incidents, accidents and post-disaster situations



Participation in Citizen Science 🏛️



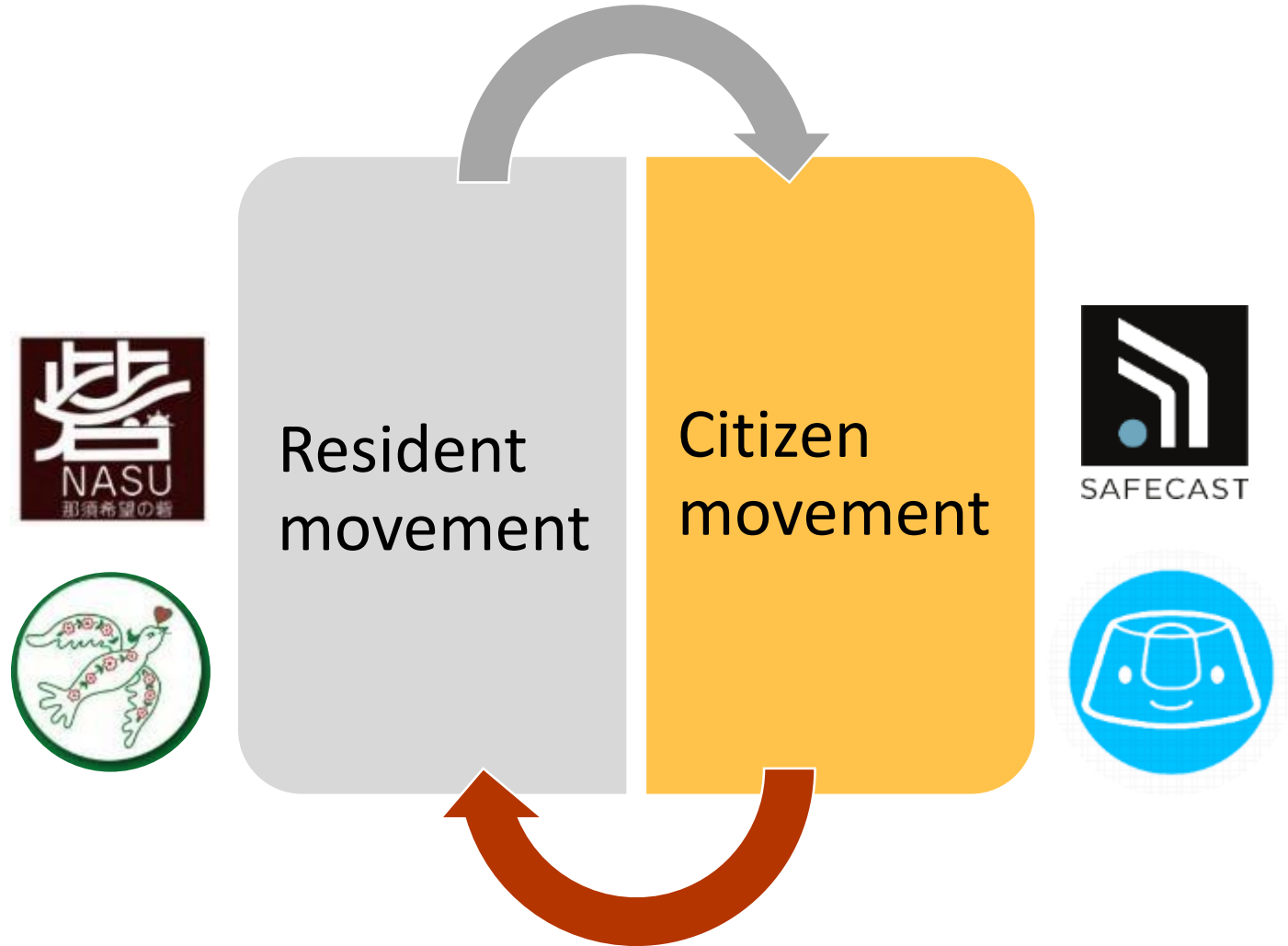
Haklay, M., 2013. Citizen science and volunteered geographic information: Overview and typology of participation. In *Crowdsourcing geographic knowledge* (pp. 105-122).



WHY LOCALLY SOURCED?

CIVIL SOCIETY IN JAPAN

- “invisible civil society” (Steinhoff P.G., 2018)
- Residents’ movements and citizens’ movements (Hasegawa K., 2004)
- Just good enough data (Gabrys et al., 2016)



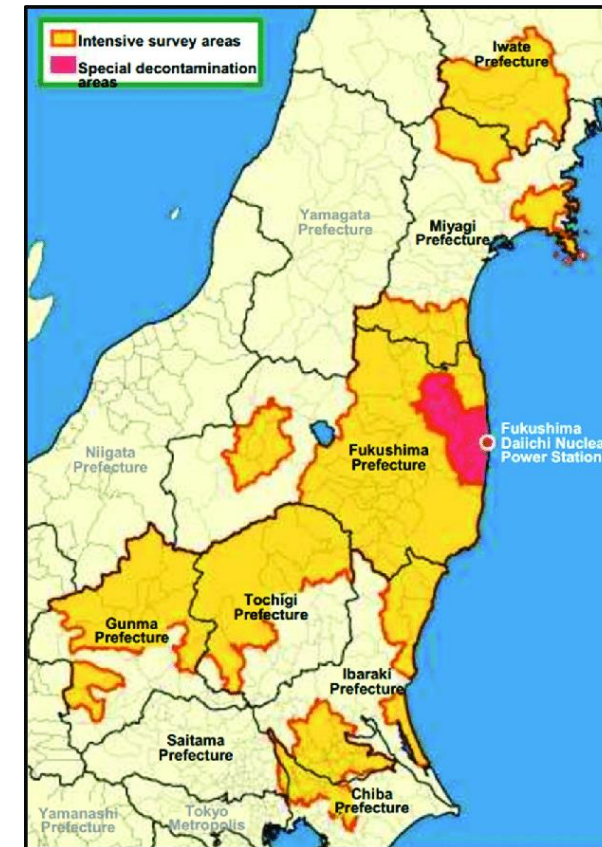
(Hasegawa K., 2004)

GOVERNANCE OF DECONTAMINATION PROCESS

Special Decontamination Area



Intensive Contamination Survey Area





MAPPING RELATIONS BETWEEN CITIZEN SCIENCE AND GOVERNMENT

LIVING **APART** TOGETHER

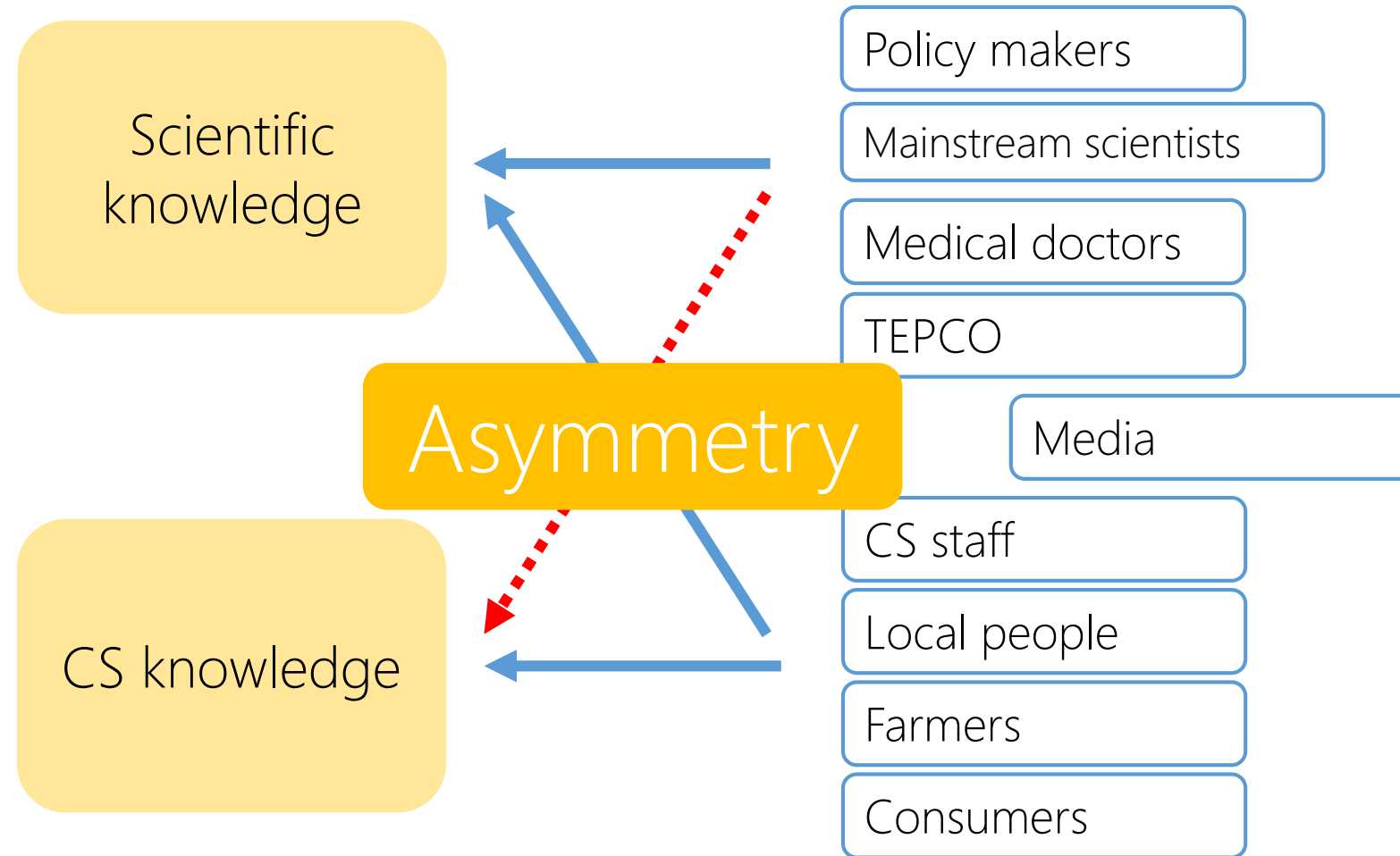
- Different perceptions of Fukushima nuclear accident:
 - Has the situation normalized?
- Data politics:
 - Perceptions of data
 - Producing data “that doesn’t tell lies” (Interview with member citizen science organization, Nasu, 2018)
 - ‘Flawed citizen science data’
 - Different data realities
 - “You can trust this data [official data]. Scientifically speaking it is correct data. Yet your position changes depending on whether you want to publish data that is politically correct or if you want to use the most strict data for the sake of our children.” (Interview with member citizen science organization, Fukushima city, 2018)

LIVING **APART** TOGETHER

- Data politics (continued):
 - Data purpose:
 - Citizen science organization:
'To protect children', 'To protect the weak ones in society'
 - Citizen radiation measuring centers: little cooperation



LIVING **APART** TOGETHER



Adapted from Mizushima, Nozomi AND Yoshizawa, Go. "How citizen science works after Fukushima". JSPS-FWO Interprog workshop. Leuven. 6 June 2018.

LIVING APART TOGETHER

- Circumstances necessitated cooperation
 - Nasu: absence of official guidelines
- Specificity of local situation
 - Iwaki: permission to measure on school yards
 - Koganei city: collaboration since after Chernobyl



Koganei city,

http://livedoor.blogimg.jp/go_wild/imgs/5/5/551cee60.jpg

CONCLUSION

- Citizen science is embedded in local situation
- Diversity in organizations and local governments → diversity in relations
- Living apart vs. living together
 - Boundary bridging or constructing function of standards and standardized practices (Ottinger G., 2010)

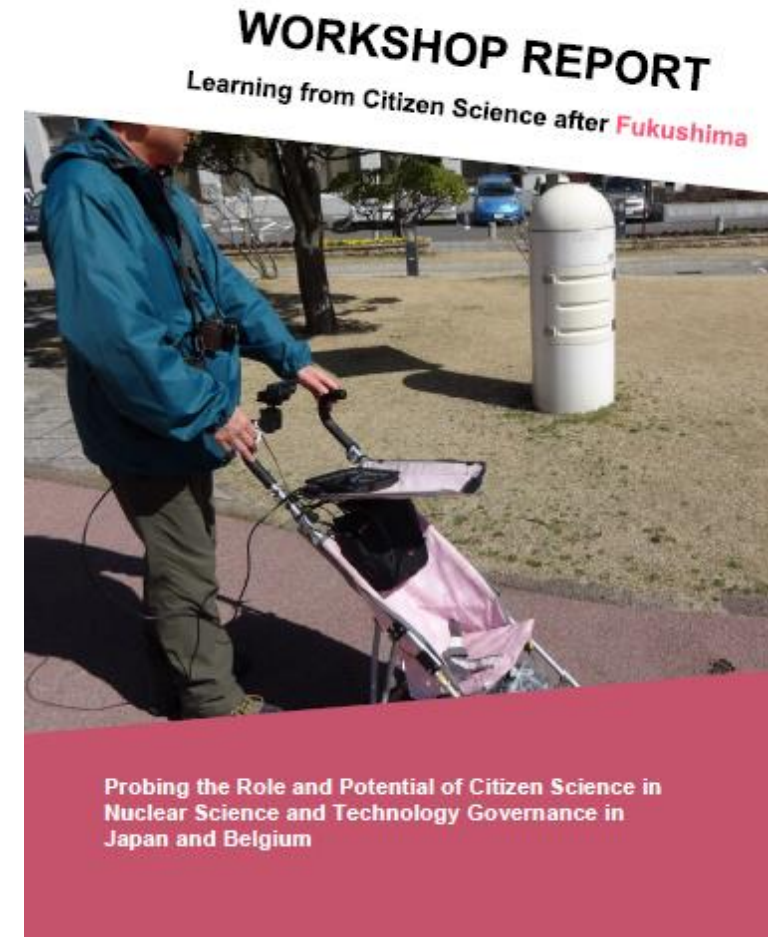


THANK YOU

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