

# REELER

## Responsible Ethical Learning with Robotics

HORIZON 2020 project n° 731726

[www.reeler.eu](http://www.reeler.eu)



EUROPEAN  
ROBOTICS FORUM

Brought to you by SPARC

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*Edinburgh, Scotland, UK*



PROJECT CO-ORDINATOR PROF. CATHRINE HASSE



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by the European Union

# Motivation

Distance between  
ROBOTICISTS  $\neq$  CITIZENS  $\neq$  POLICY-MAKERS  
causes:

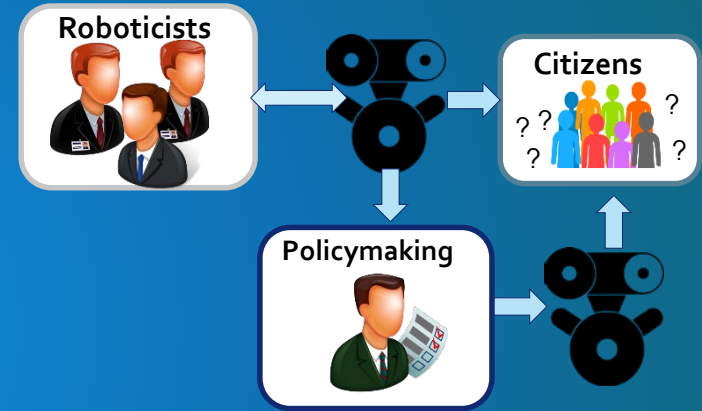
- little collaborative learning between groups
- conflicting systems of values
- unintended impact:

not full potential of robots

robot sabotage (MIT Technology review, 2015)

skewed labour market (Ford, 2015, The Rise of Robots)

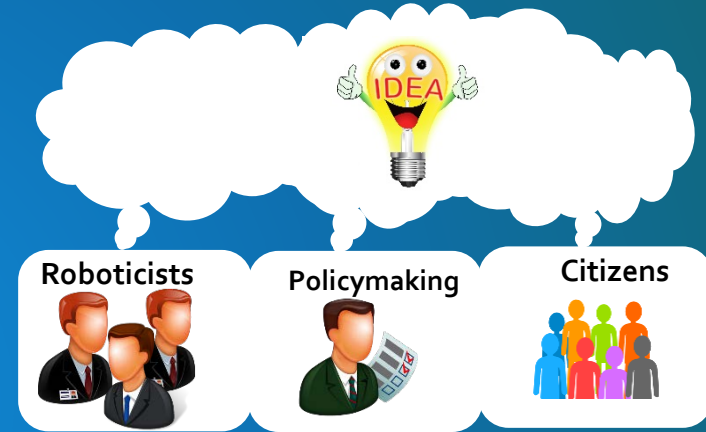
altered human condition (Floridi (Ed.), 2015, The Onlife Manifesto.)



# Main ambition

REELER will:

1. Align roboticists' visions of a future with robots with empirically-based knowledge of human needs and societal concerns.
2. Develop a proximity-based human-machine ethics that consider how individuals and community connect with robot technologies.
3. Increase collaboration and unleash learning potential



# Approach

- Ethnographic fieldwork among roboticists and stakeholders/ affected environment to explore value systems
- Case-based socio-dramas to bring new perspectives to the robot community
- Mini-Publics to engage citizens in robot developments



deliberative mini-publics

involving citizens in the democratic p

Ed  
K. Grönlund, A. Rächiger and M



# Impact

REELER Roadmap and interactive toolbox can help

Improve existing robot design processes with the

Increase collaborative learning

Make robots relevant for humans and society.