

Social Impact of Citizen Measurements in Post-Accidental Situations

Perspective of the SHARE Platform

Yevgeniya Tomkiv

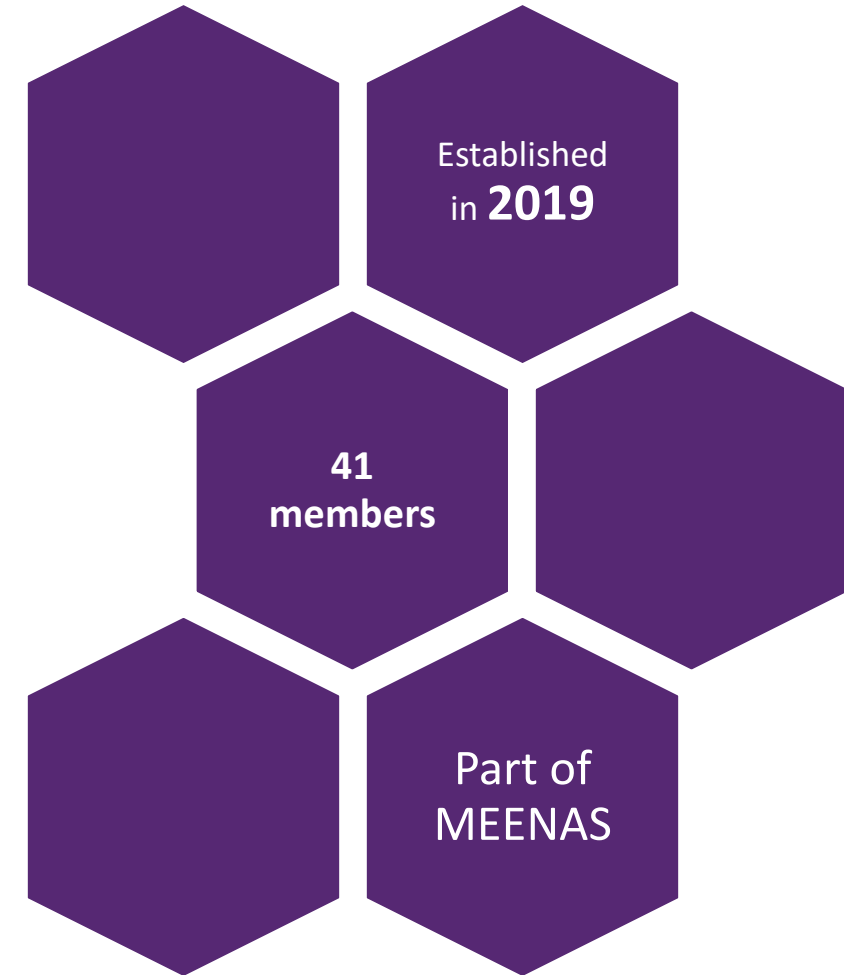
European Platform for Social Sciences and Humanities Research Relating to Ionising Radiation

We respond to a growing awareness that the input of Social Sciences and Humanities (SSH) to research and innovation in the field of ionising radiation applications has not been systematic.

We aim to help society in its interaction with radiation risk by bringing together researchers from all relevant platforms, associations and projects related to ionising radiation.



RICOMET 2019





Our members

- Universities
- Research institutes
- Consultancies
- Regulatory authorities
- Individuals



SHARE context



- Recognising importance of citizen measurements
Participating in the research projects exploring
this topic



**What is the societal
impact of citizen
measurements in post-
accidental phase?**

Access to adequate and actionable data



<http://blog.safecast.org/>

Data transparency
Aids decision-making
Supports communication about health risks



D-Shuttle – AIST
Naito et al, Rad. Prot. Dosimetry 2014



Image: GammaPix

RECOMMENDATIONS TO IMPROVE HEALTH SURVEILLANCE AND LIVING CONDITIONS OF POPULATIONS IN CASE OF A NUCLEAR ACCIDENT



GENERAL PRINCIPLES



Consider the overall well-being of the population (including the psychological, social and economic impact).



Engage the general public and other stakeholders



Respect the autonomy and dignity of affected populations



BEFORE



Train medical personnel and other professionals



Establish/improve disease registries



Plan early response and communication protocols



Establish sheltering and evacuation protocols



DURING



Provide timely and reliable communication on the accident and the risks



Provide sheltering advice and support



Balance radiation exposure risk with other health risks before evacuating



Collect and store the minimum information from affected populations to facilitate follow-up



AFTER



Offer health screening to the population, with adequate information and counseling



Launch public health studies only if informative and sustainable over time

Support and engage the affected populations:



Listen to their needs and worries

Support them in making their own dose measurements



Help them make informed decisions, including whether and when to return to their homes

Ethical values

- **Beneficence/Non-maleficence**
- Prudence
- **Dignity**
- **Justice**



Privacy
Transparency
Quality of data
Equity
Inclusiveness



Trustworthy data against disinformation

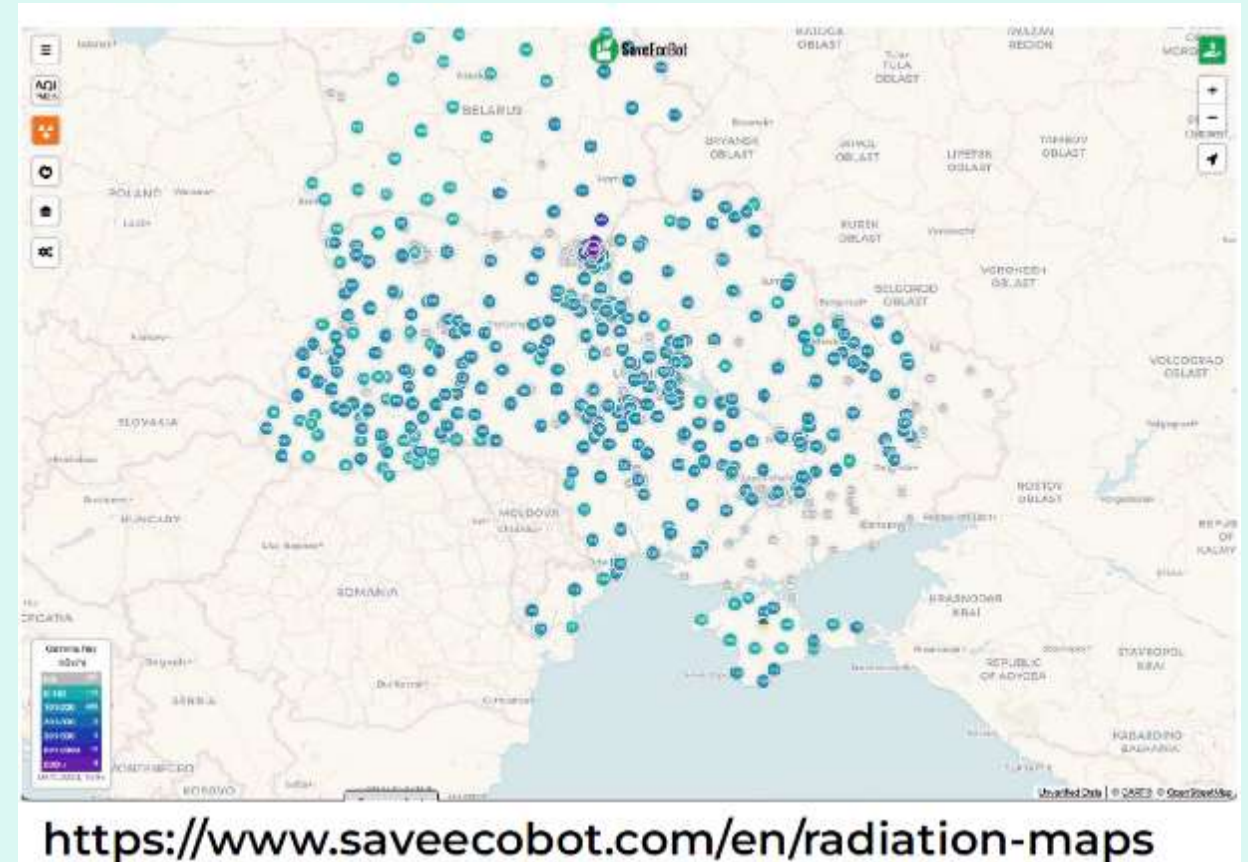


#bgeigies4ukraine

**Open data
for the public.**

Що там у Чорнобилі?
Перевіряйте радіаційний стан — тепер
у відкритому доступі

Logos: SaveDnipro, SAFECAST, SURE, and others.



Citizen science incubator

Partnerships and education



RadoNorm Country Legend

- RadoNorm consortium countries
- RadoNorm citizen science pilot projects
- RadoNorm citizen science network projects



Citizen measurements in post-accidental situations

Increase access to adequate and actionable data

Enhance transparency

Foster citizen empowerment

Aid decision-making

Support communication about health risks

Contribute to education

Help fight disinformation



Thank you!

Email: share@ssh-share.eu

Our LinkedIn page →

