



Social sciences and Humanities in ionising radiation REsearch

European Platform for Social Sciences and Humanities research relating to Ionising Radiation



Mission: **to stimulate the integration of social sciences and humanities in research, practice and policy related to ionising radiation**, including, for example: **nuclear energy production, dismantling and decommissioning, safety-security, fuel cycle**, radioactive waste management, radiation protection, emergency preparedness and response, medical applications, NORM, site remediation, etc.

<https://www.ssh-share.eu>

Towards a strategic research agenda for social sciences and humanities in radiological protection

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Strategic Research Agenda for Social Sciences and Humanities in radiation protection



- 1) Effects of social, psychological and economic aspects on radiation protection behaviour;
- 2) Holistic approaches to the governance of radiological risks;
- 3) Guiding principles for Responsible Research and Innovation in radiation protection;
- 4) Stakeholder engagement and participatory processes in radiation protection research, development, policy and practice;
- 5) Risk communication;
- 6) Radiation protection culture.



Strategic Research Agenda for Social Sciences and Humanities in radiation protection



WG Strategic Research Agenda and some leading experts in SSH related to nuclear energy: dr. Martin Durdovic, prof. dr. Katarzyna Iwinska, dr. Peter Mihok, dr. Nadja Zeleznik, prof. dr. Peter Thijssen, dr. Meritxell Martell ...

Topics in the extended SRA :

- uranium mining
- energy production,
- waste management,
- dismantling and decommissioning,
- ...

Towards an extended SRA:

Example of our competences in scientific disciplines of interest for NUGENIA :

- political sciences,
- science and technology studies,
- public opinion,
- (social) psychology,
- international relations,
- safety-security studies,
- communication,
- human ecology ...

Our members conduct SSH research in all fuel cycle

Some references of our members in the nuclear energy field

- Coppens, Tom; Van Dooren, Wouter; Thijssen, Peter (2018). [Public opposition and the neighbourhood effect: how social interaction explains protest against a large infrastructure project](#), Land use policy - ISSN 0264-8377 - 79, 633-640
- Durdovic, M., J. Mlynar. 2019. [“Philosophy and Ethics of Energy Development. What are the most general questions concerning our attitudes to energy technologies?”](#) Pp. 53–95 in Stankiewicz, P. et al. Integrating Social Sciences and Humanities into Teaching about Energy: TEACHER EDUKIT.
- Toruń: Wydawnictwo Naukowe Uniwersytetu Mikołaja Kopernika. (ISBN 978-83-231-4284-3)
- Durdovic, M., J. Mlynar. 2019. [“Energy and the public. How societies communicate and decide about energy issues?”](#) Pp. 96–138 in Stankiewicz, P. et al. Integrating Social Sciences and Humanities into Teaching about Energy: TEACHER EDUKIT. Toruń: Wydawnictwo Naukowe Uniwersytetu Mikołaja Kopernika. (ISBN 978-83-231-4284-3).
- Bergmans, A. & Verhaegen, M. (2016). [How stakeholder and citizen participation influences evaluation criteria for megaprojects](#). The case of the Belgian LILW repository. In: Lethonen, M., Joly, P-B., Aparicio, L. (eds.) Socioeconomic evaluation of megaprojects. Dealing with uncertainties. London/New York: Routledge - Earthscan, 111-133. ISBN 9781138656116



Some references of our members in the nuclear energy field

Litmanen, T., & Kojo, M. (2011). *Not excluding nuclear power: the dynamics and stability of nuclear power policy arrangements in Finland*. Journal of Integrative Environmental Sciences, 8(3), 171-194.

Mihók, P. 2020. *Understanding political institutional support for completing the Mochovce nuclear power plant*. In: Progress in Nuclear Energy 120(1).

Mihók, P. 2013. *Compensations and community benefits for municipalities located near nuclear facilities in Slovakia: historical overview and stakeholders views in 2013*. IPPA project Deliverable no. 4.4, Euratom Contract no. FP7-269849.

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Oughton, D., Forsberg, E.-M., Bay, I., Kaiser, M., & Howard, B. (2004). *An ethical dimension to sustainable restoration and long-term management of contaminated areas*. Journal of Environmental Radioactivity, 74(1–3), 171-183. doi:10.1016/j.jenvrad.2004.01.009

- Latré, E., Perko, T., & Thijssen, P. (2017). [Public opinion change after the Fukushima nuclear accident: the role of national context revisited](#). *Energy policy*, ISSN 0301-4215-104, 124-133
- Latré, E., Thijssen, P., & Perko, T. (2019). [The party politics of nuclear energy: Party cues and public opinion regarding nuclear energy in Belgium](#). *Energy Research & Social Science*(47), 192-201.
- Turcanu, C., Perko, T., & Schröder, J. (2011). The SCK•CEN Barometer 2011 - [Perception and attitudes towards nuclear technologies](#) in the Belgian population. BLG-1082
- Perko, T., Monken-Fernandes, H., Martell, M., Zeleznik, N., & O'Sullivan, P. (2017). [Societal Constraints Related to Environmental Remediation and Decommissioning Programmes](#). *Journal of Environmental Radioactivity*, published on line doi: 10.1016/j.jenvrad.2017.06.014. doi: 10.1016/j.jenvrad.2017.06.014
- Molyneux-Hodgson S, Hietala M (2016). [Socio-technical Imaginations of Nuclear Waste Disposal in UK and Finland](#). In Hindmarsh R, Priestley R (Eds.) *The Fukushima Effect: a new geopolitical terrain*, Routledge, 141-161.
- Perko, T., Turcanu, C., & Carlé, B. (2012). [Media Reporting of Nuclear Emergencies: The Effects of Transparent Communication in a Minor Nuclear Event](#). *Journal of Contingencies and Crisis Management*, 20, 52-56.

We offer the SHARE platform :

To contribute to nuclear energy research in the field of social sciences and humanities - practice and policy related (reference to SNE-TP SRIA v5)



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e.g.:



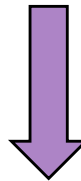
- to conduct a policy related research on future of nuclear energy in Europe and how risks, benefits and potentials are seen by stakeholders
- to design or improve the guidance on integration and conduct a research on Social and Economic Aspects of nuclear technologies e.g. “Social and political acceptability”
- to conduct science and technology studies in the field for new big projects, new technologies, small modular reactors ...
- to contribute in a research related to Safety Assessment of Nuclear Facilities e.g. social license
- to conduct SSH research related to dismantling and decommissioning e.g. societal acceptance of different levels and options

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e.g.:

- as a venue to recruit evaluators
- as an organiser and facilitator of independent and balanced dialogues with all stakeholders



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European Platform for Social Sciences and Humanities research relating to Ionising Radiation



**is open to conduct research
in the field of nuclear technology**
<https://www.ssh-share.eu>

RICOMET 2020

Social Sciences and Humanities in Ionising Radiation Research



1st to 3rd of September 2020
Athens, Greece

International, multidisciplinary and stakeholder driven annual event, devoted to academics, researchers, experts and civil society stakeholders involved in social science and humanities research on ionizing radiation.

The conference 2020 includes

- training course on risk communication,
- training course on development of communication tools,
- workshop on science diplomacy,
- scenario workshop on ethics in SSH research in ionising radiation



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