

Screening Nano-Ethical Issues

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Nano-Ethics - Intro



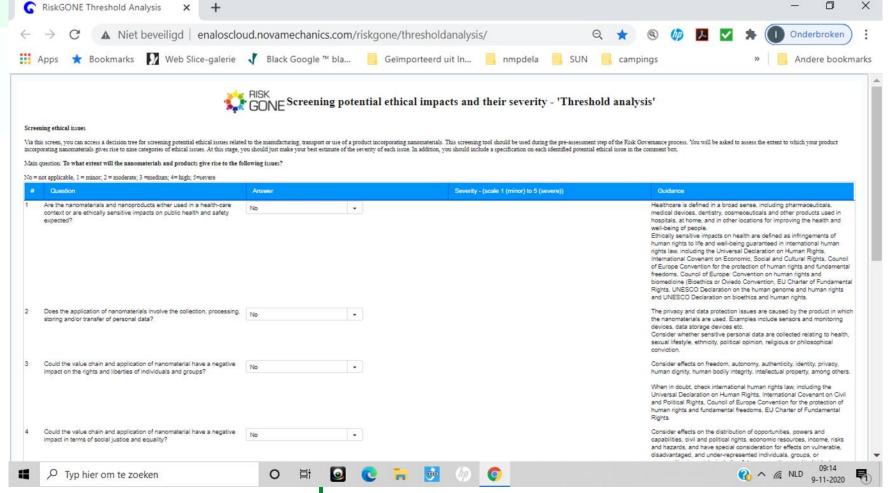
Aims of this presentation:

- Highlight how ethics may be addressed by the Risk Governance Council for Nanomaterials established by RiskGONE, Gov4Nano and NANORIGO
- Demonstrating the use of the screening tool for ethical impacts of nanomaterials developed in RiskGONE

http://enaloscloud.novamechanics.com/riskgone/thresholdanalysis



Incorporating ethics in the Nano Risk Governance Framework – the ethical impact assessment screening tool



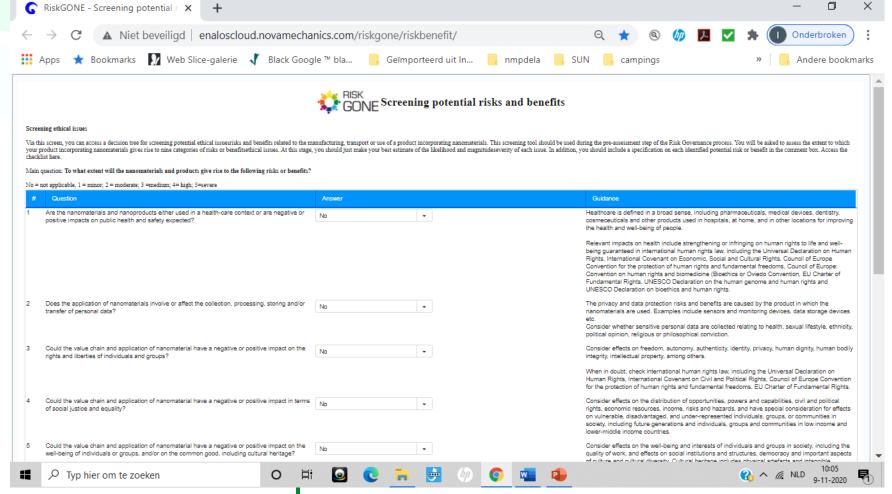


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Incorporating ethics in the Nano Risk Governance Framework – the ethical risk-benefit assessment tool





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And http://enaloscloud.novamechanics.com/riskgone/riskbenefit/

Demonstrating the EIA-screening tool on a case study of nanopharmacy (Timmermans et al, 2011: https://link.springer.com/article/10.1007/s11569-011-0135-x)

Issue:	Health	Privacy	Liberties	Equality	Common good	Environ- ment	Sustaina- bility	Military dual use	Misuse
Risk	Yes	Yes	No	Yes	No	Yes	Yes	No	No
Severity	2	1	0	4	0	2	2	0	0

Five ethical risks are identified, including one high, which requires a large scale EIA.

Issue:	Health	Privacy	Liberties	Equality	Common good	Environ- ment	Sustaina- bility	Military dual use	Misuse
Benefit	Yes	No	No	No	Yes	No	Yes	No	No
Strength	4	0	0	0	2	0	2	0	0





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And http://enaloscloud.novamechanics.com/riskgone/riskbenefit/

Demonstrating the EIA screening tool on a case study of nanovaccines in fish farming (Myhr & Myskja, 2011): https://link.springer.com/article/10.1007/s11569-011-0112-4

Issue:	Health	Privacy	Liberties	Equality	Common good	Environm ent	Sustaina bility	Military dual use	Misuse
Risk	Yes	No	No	No	No	Yes	Yes	No	No
Severity	2	0	0	0	0	3	3	0	0

Three ethical risks are identified, including two medium. This results in a medium scale EIA.

Issue:	Health	Privacy	Liberties	Equality	Common good	Environm ent	Sustaina bility	Military dual use	Misuse
Benefit	Yes	No	No	No	No	No	Yes	No	No
Strength	3	0	0	0	0	0	3	0	0





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Demonstrating the EIA screening tools on a case study of nanoTiO2 in sunscreens (Jacobs et al, 2010): https://link.springer.com/article/10.1007/s11569-010-0090-y

Issue:	Health	Privacy	Liberties	Equality		Environ ment		Military dual use	Misuse
Risk	Yes	No	Yes	No	No	Yes	Yes	No	No
Severity	1	0	1	0	0	2	2	0	0

Four negative ethical issues have been identified, including two moderate. This results in a small scale EIA.

Issue:	Health	Privacy	Liberties	Equality	Commo n good	Environ ment	Sustaina bility	Military dual use	Misuse
Benefit	Yes	No	No	No	No	No	Yes	No	No
Strength	3	0	0	0	0	0	3	0	0





THANK YOU!

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