RiskGONE Cloud Platform

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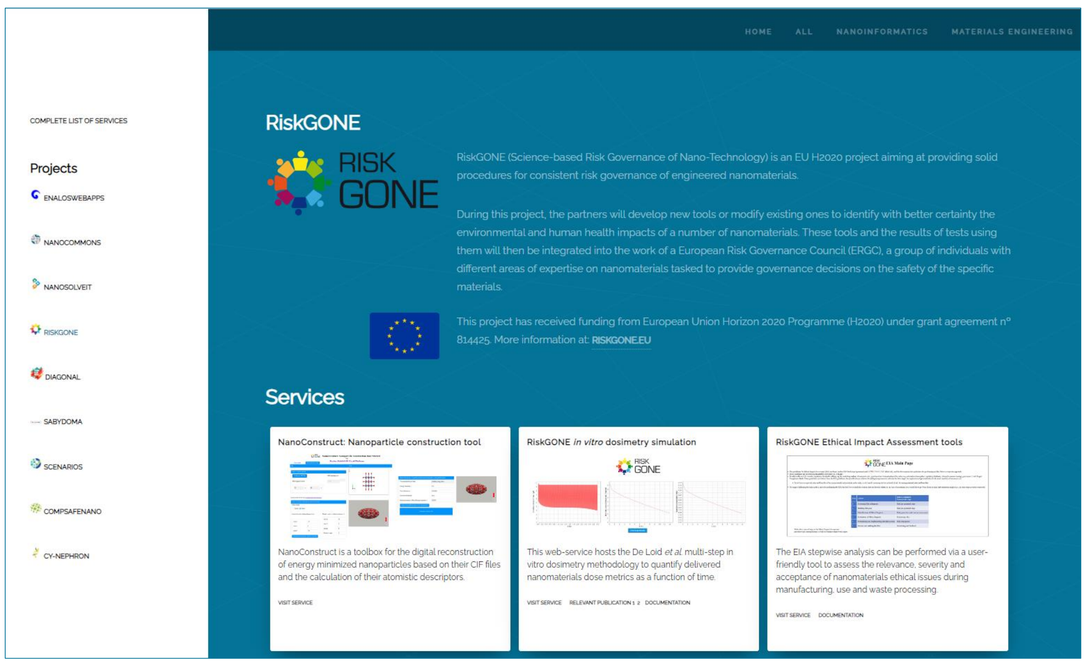
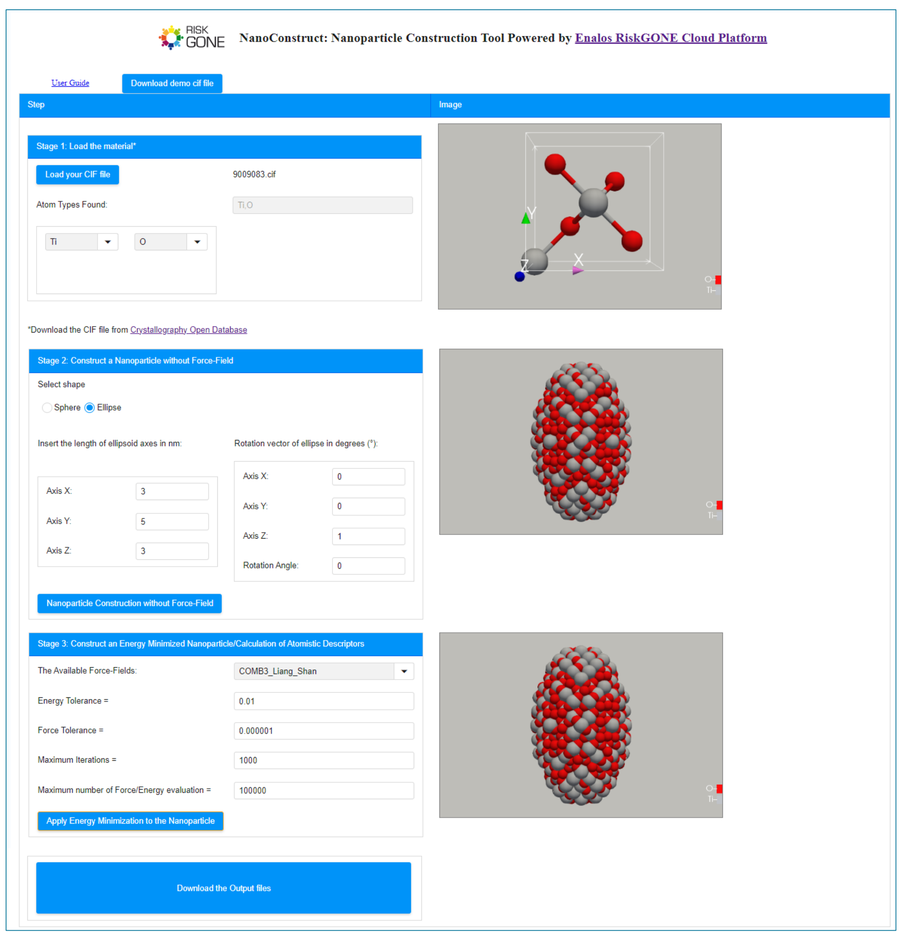
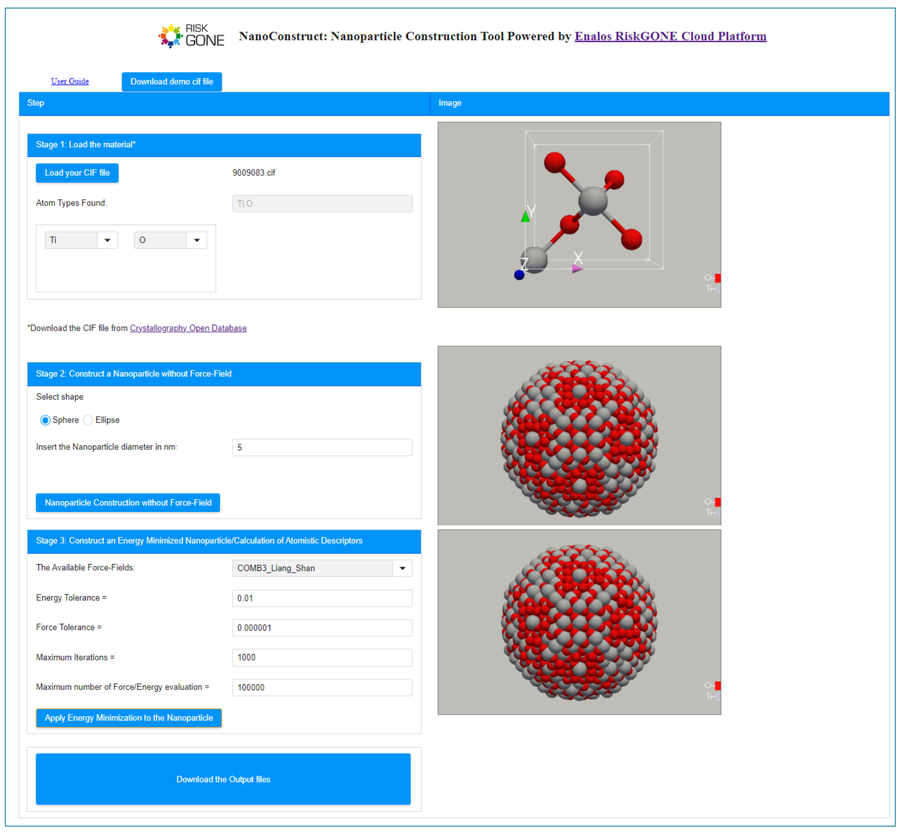
Scan here to visit the RiskGONE Cloud Platform!

- The RiskGONE Cloud platform hosts models and *in silico* tools developed during the RiskGONE project (http://www.enaloscloud.novamechanics.com/riskgone.html).
- The RiskGONE Cloud Platform offers a user-friendly environment that is specifically designed for non-informatics experts.
- The platform has been designed to reduce the time and resources spent on experimental activities and to provide researchers with a highly efficient and effective way of property calculations for ENMs.
- The platform is available online and free of charge, making it accessible to researchers and scientists globally.



NanoConstruct

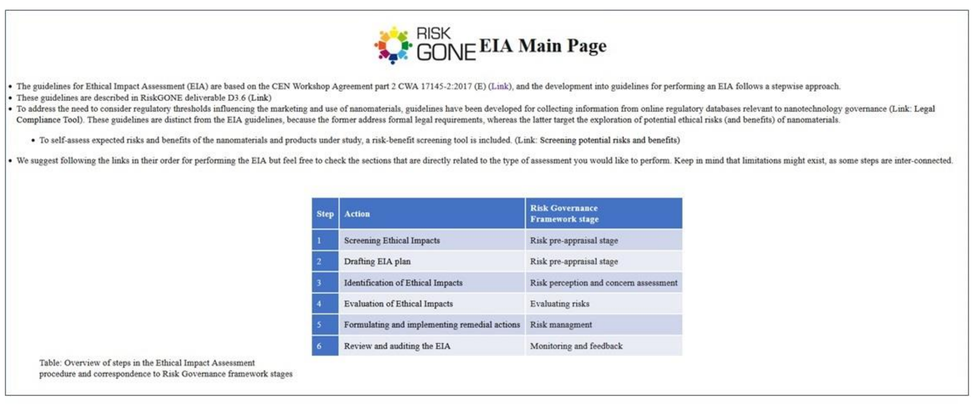




http://www.enaloscloud.novamechanics.com/riskgone/nanoconstruct/

The NanoConstruct tool is a toolbox for the digital reconstruction of energy minimized nanoparticles based on their CIF files and the calculation of their atomistic descriptors.

RiskGONE Ethical Impact Assessment tools



RISK GONE **EIA Main Page**

- The guidelines for Ethical Impact Assessment (EIA) are based on the CEN Workshop Agreement part 2 CWA 17145-2:2017 (E) (Link), and the development into guidelines for performing an EIA follows a stepwise approach.
- These guidelines are described in RiskGONE deliverable D3.6 (Link)
- To address the need to consider regulatory thresholds influencing the marketing and use of nanomaterials, guidelines have been developed for collecting information from online regulatory databases relevant to nanotechnology governance (Link: Legal Compliance Tool). These guidelines are distinct from the EIA guidelines, because the former address formal legal requirements, whereas the latter target the exploration of potential ethical risks (and benefits) of nanomaterials.
  - To self-assess expected risks and benefits of the nanomaterials and products under study, a risk-benefit screening tool is included. (Link: Screening potential risks and benefits)
- We suggest following the links in their order for performing the EIA but feel free to check the sections that are directly related to the type of assessment you would like to perform. Keep in mind that limitations might exist, as some steps are inter-connected.

Step	Action	Risk Governance Framework stage
1	Screening Ethical Impacts	Risk pre-appraisal stage
2	Drafting EIA plan	Risk pre-appraisal stage
3	Identification of Ethical Impacts	Risk perception and concern assessment
4	Evaluation of Ethical Impacts	Evaluating risks
5	Formulating and implementing remedial actions	Risk managment
6	Review and auditing the EIA	Monitoring and feedback

Table: Overview of steps in the Ethical Impact Assessment procedure and correspondence to Risk Governance framework stages

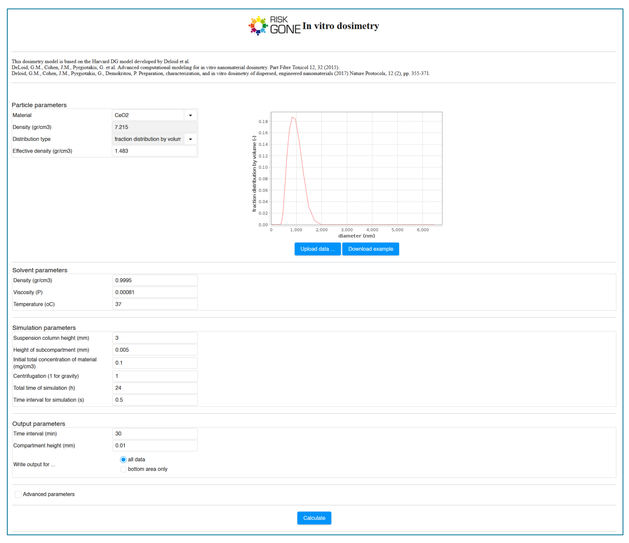
The Ethical Impact Assessment (EIA) decision support tools are integrated in the RiskGONE cloud platform. These tools incorporate the decision trees developed in task 3.5, that need to be followed to complete the EIA.

http://www.enaloscloud.novamechanics.com/riskgone/EIA/

RiskGONE *in vitro* dosimetry simulation

http://www.enaloscloud.novamechanics.com/riskgone/InVitroDosimetry/

The RisKGONE *in vitro* dosimetry simulation tool hosts a multi-step *in vitro* dosimetry methodology to quantify delivered nanomaterials dose metrics as a function of time.



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