

The FFIKA project: Output and Impact (2020-2023)

Aim

Safe handling of chemistry in the working environment through:

- Stakeholder involvement.
- Documentation for new health-based occupational exposure limits.
- New knowledge on exposure levels on Danish workplaces.
- Better methods for exposure measurements at the workplace.
- New knowledge on the underlying biological mechanisms of action.

Funding

30 mio. dkk (2020-2023)



from the political agreement on the work environment 2019.

Covid-19

Delay in all work packages due to Covid-19 lock down, partial lock down and restrictions.



FFIKA advisory boards

National Advisory Board

- 2** public authority representatives
- 5** employer organisations
- 6** labor unions

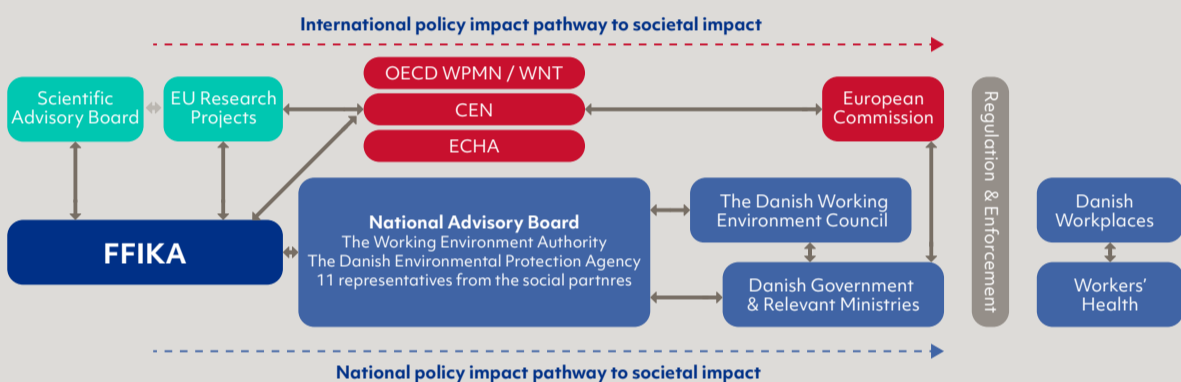
International Advisory Board

- 5** scientific experts

FFIKA project organisation



Development of logic model for Societal IMPACT



National impact

3 documentation reports for health-based occupational exposure limits.

Expert consultants for Danish authorities, eg. The Danish Environmental Protection Agency and The Danish Working Environment Authority.



International impact

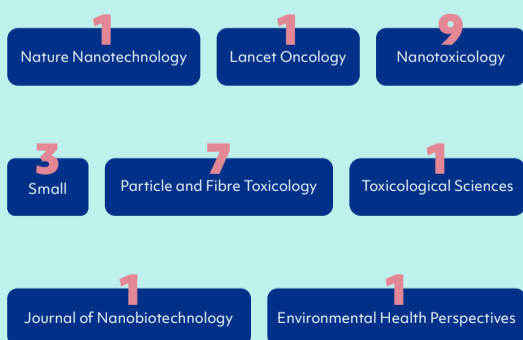
- OECD endorsed the first nanomaterial-relevant AOP, AOP33. It describes how inhalation of fx nanomaterials may cause fibrosis.
- FFIKA contributed to the IARC evaluation of firefighting as carcinogenic to humans.
- FFIKA contributed to the development of AOP302: An in vitro test for lung surfactant function inhibition.
- FFIKA contributed to the continued development of 3 OECD guidelines on:
 - Solubility and dissolution of nanomaterials in water and biological simulant fluids
 - Identification and quantification of surface chemical modifications on nanomaterials
 - Dustiness testing of nanomaterial powders.
- PI Ulla Vogel became honorary doctor at Lunds Technical University in 2023 for being 'a role-model in taking basic and applied science the full way to societal impact and improved legislation'.



Scientific output

74 peer reviewed publications to date

2 highly cited papers in WoS



Dissemination

22 presentations for stakeholders

7 Fact sheets

2 externally organised public meetings

NFA news and theme newsletters

19 articles in professional journals

6 NFA theme meetings

Social Media posts – NFA and scientists



Education

4 Ph.D.-students graduated

3 toxicologists became European Registered Toxicologists

3 Master students graduated

Lectures for university students

Teaching at Continued Educational Courses

Lectures at NIVA courses

