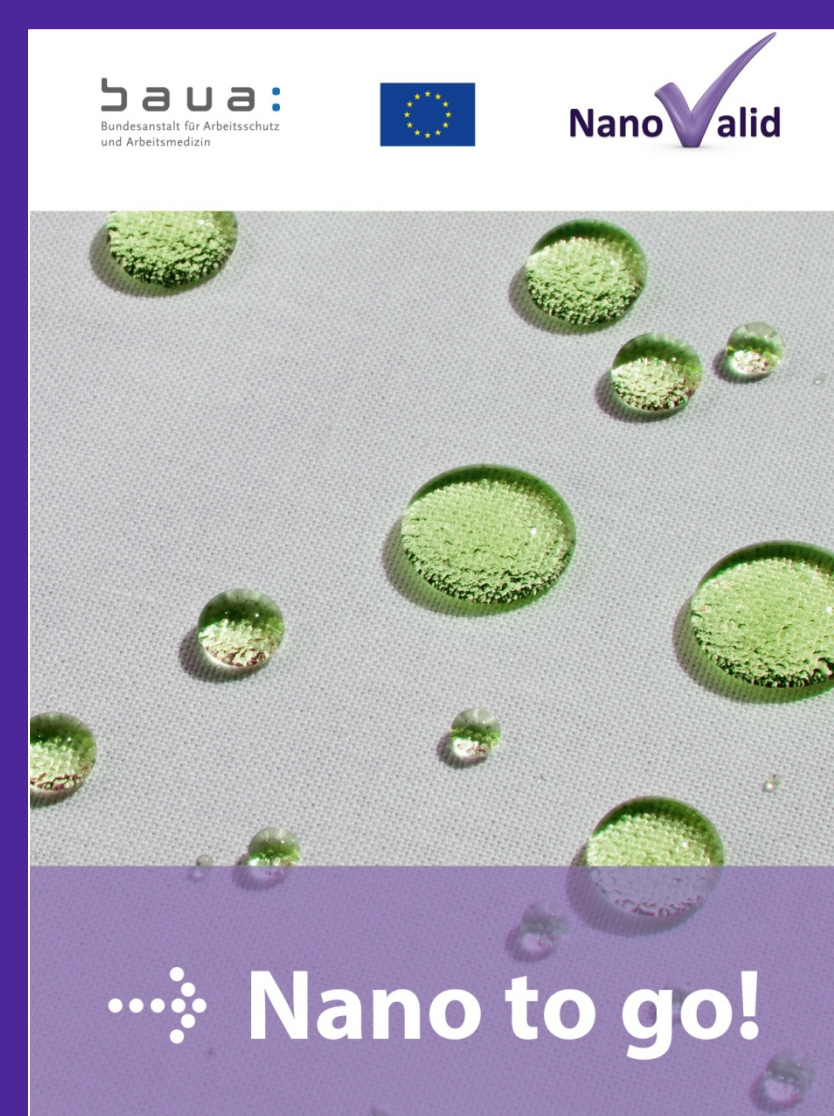


About Nano to go!

Nano to go! is a practically oriented guidance on safe handling of nanomaterials and other innovative materials at the workplace. It was developed within NanoValid and is distributed to NanoValid partners.

It contains a brochure, detailed field measurement reports, several supplementary documents and training material to comprehensively support risk assessment and risk management, especially in research institutions and SMEs.



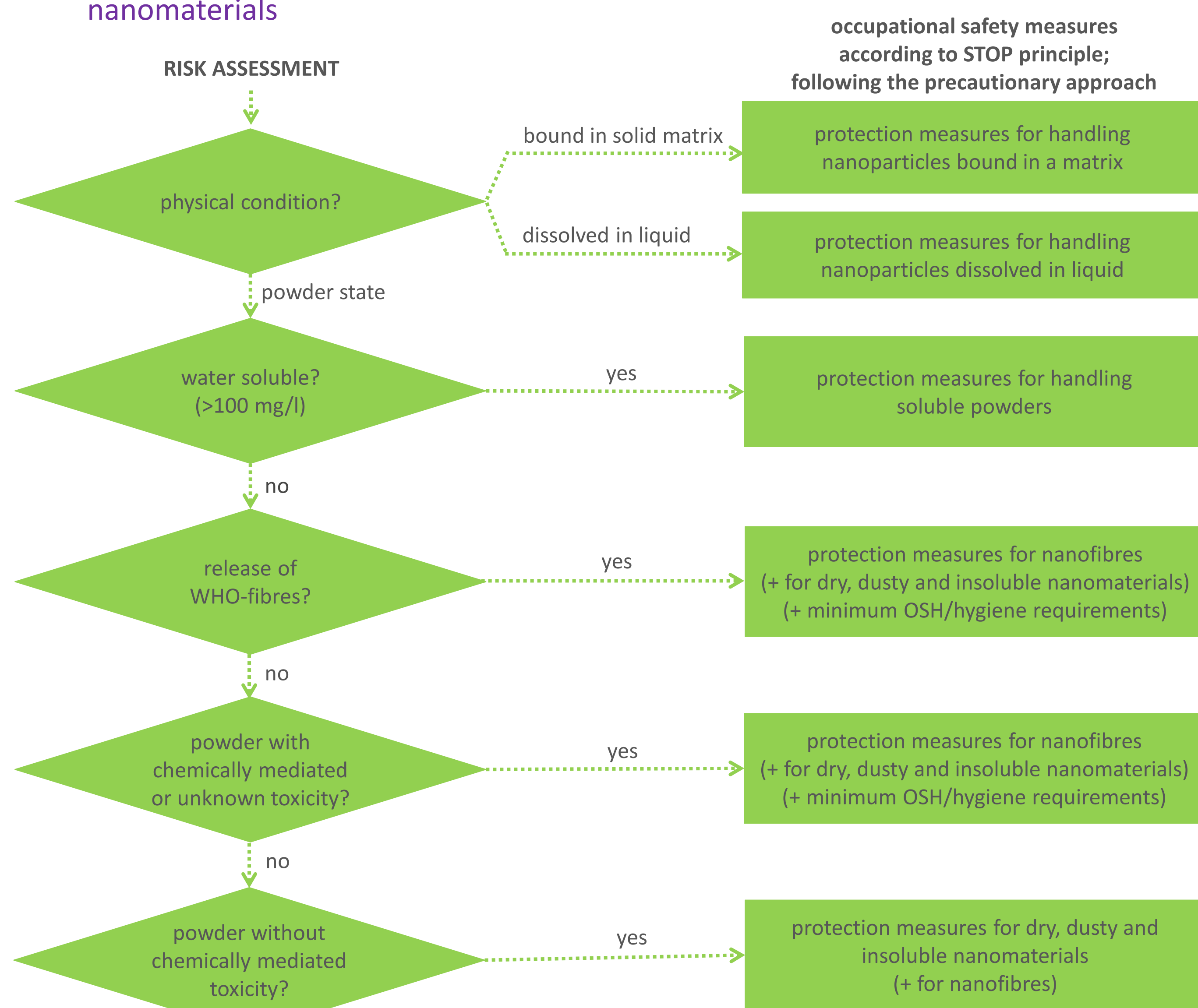
Nano to go! is also available for download:
www.baua.de/nanoToGo
www.nanovalid.eu/nanoToGo
www.nanosafetycluster.eu/nanoToGo

Developing Reference Methods for Nanomaterials

brochure:

„Safe handling of nanomaterials and other advanced materials at workplaces“

- practical guideline published by BAuA, based on EU directive 98/24/EC, on announcement 527 “Manufactured Nanomaterials” of the German Committee on Hazardous Substances and on NanoValid field measurements
- development of safety strategies and protection measures for grouped nanomaterials

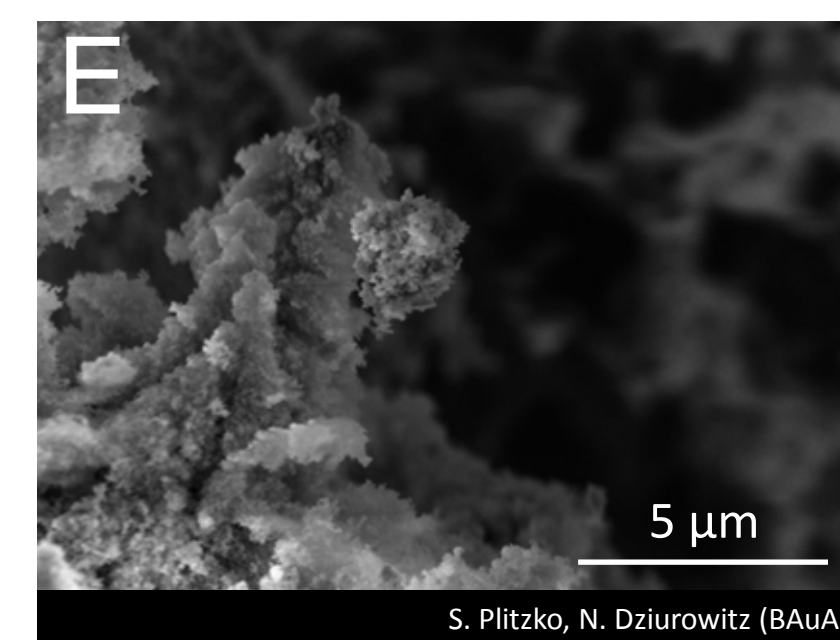
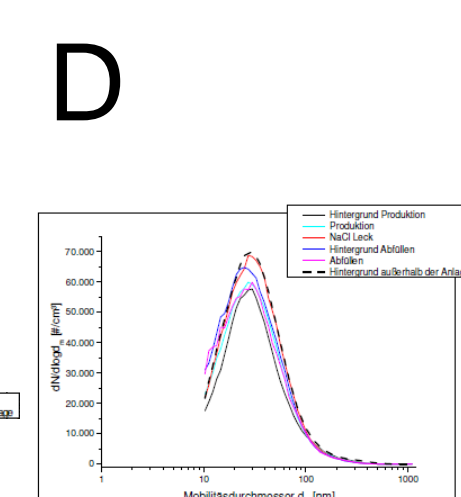
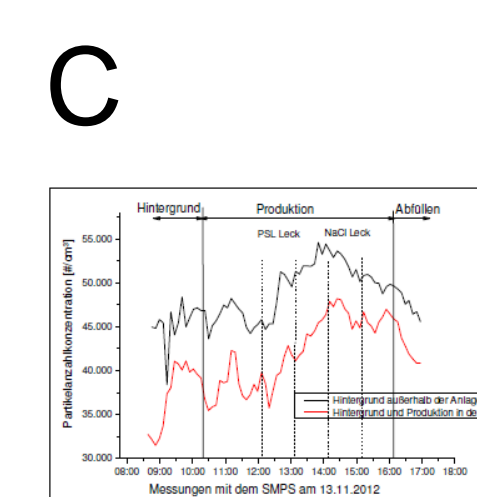
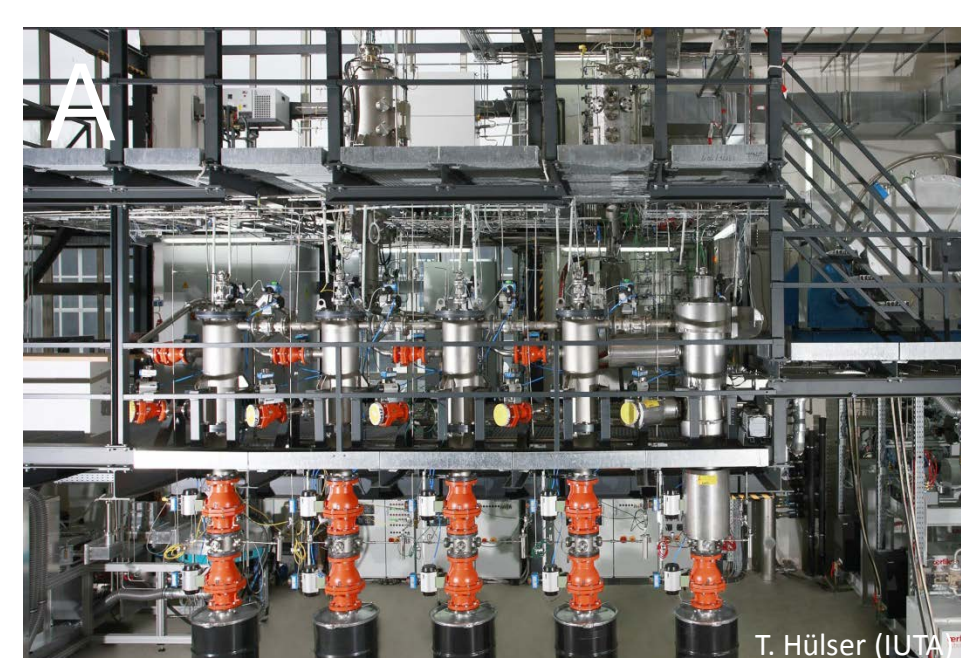


- addresses researchers and safety experts at universities and SMEs, regulators, risk assessors, and consultants
- information on storage, transport, placing on the market, and disposal of nanomaterials, and on prevention of risk from fire and explosion
- recommendations for instruction courses, occupational health, toxicological advice, and health surveillance

field measurement reports:

expert assessment of safety and health at different workplaces, combining measurements and non-measurement methods

- examples of risk assessment strategies at workplaces (pilot plants and laboratories)
- non-measurement methods: activity-based risk assessment, interviews, safety expert inspection
- detailed description of methods, sampling strategies and devices
- detailed reports and discussion of results of exposure measurements of fine and ultrafine particles and of morphological analyses
- work-system planning and development of technical measures
- simulation of accidental release of nanomaterials



Dialogue Guide for Occupational Safety and Health Aspects for Handling Nanomaterials (NM)

Company/Institution: _____ Contact date: _____ Contact person: _____ Date: _____

Question 1: How NM?

☐ Produced ☐ Processed ☐ Released during production / processing

In your company / institution? _____

Question 2: How many employees come into contact with NM in your company / institution?

☐ < 10 ☐ 10 to < 50 ☐ 50 to < 100 ☐ > 100

Question 3: In which form are the NM produced / processed / released?

☐ Fine ☐ Dust ☐ Aerosols ☐ Liquids



Exposure measurements during SiO₂-particle production: (A) pilot plant, (B) cleaning, (C) time course of particle number concentration, (D) particle size distribution, (E) morphological analysis (SEM); assessment via non-measurement method: (F) guided dialogue (blank form); (G) work system planning.

training material:

presentations in train-the-trainer format

ready to use powerpoint-presentations for university lecturers, supervisors and instruction courses, complemented with explanatory notes

- the complex world of nanomaterials
- basics of nanotoxicology
- information gathering
- risk assessment and efficiency control
- derivation of control strategies
- ways to approach nanomaterial toxicity
- basics on chemical regulation

supplementary items:

useful information, templates and examples

- safety management and nanomaterial (short introduction)
- operating instruction (blank form and example)
- sampling protocol (blank form)
- dialogue guide (blank form)
- standard operating procedure (example)

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