Green Deal Call
National Online Info Event

Farm-to-Fork & Zero-Pollution

Linda Münger
National Contact Point Food & Agriculture

Nicole Wyss
National Contact Point Health

EURESEARCH
Swiss guide to European research & innovation

Area 8: a zero-pollution ambition for a toxic-free environment

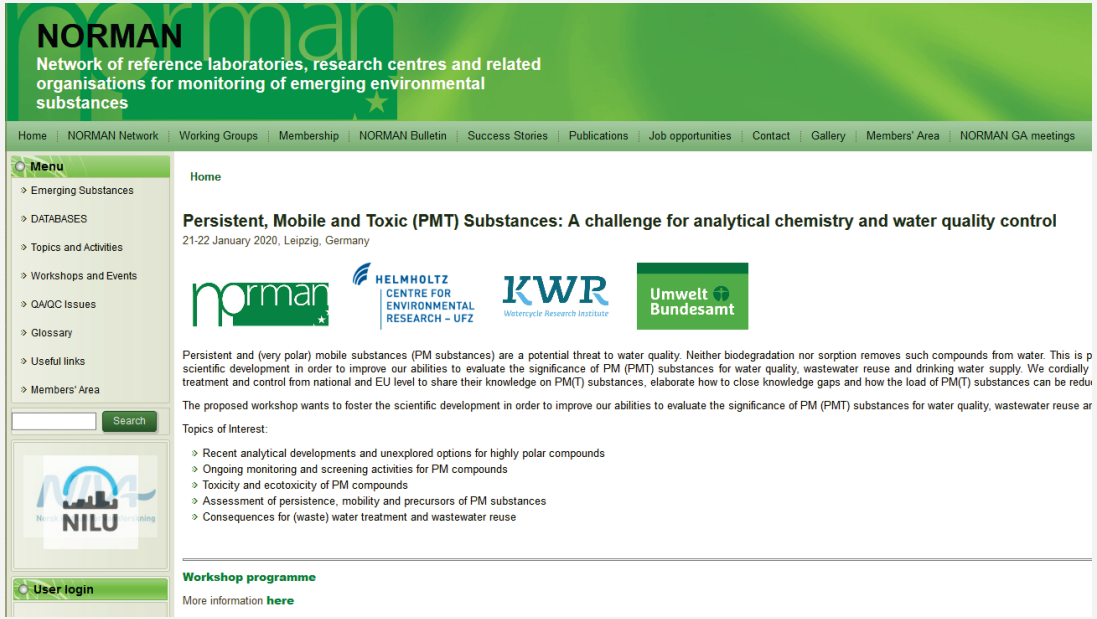
A “pollution-free environment” by 2050

Context

PMT : persistent mobile and toxic

PM : persistent and toxic

vPvM : very persistent and very mobile



https://www.normandata.eu/?q=node/354

Rüdel et al. Environ Sci Eur (2020) 32:5
https://doi.org/10.1186/s12302-019-0286-x

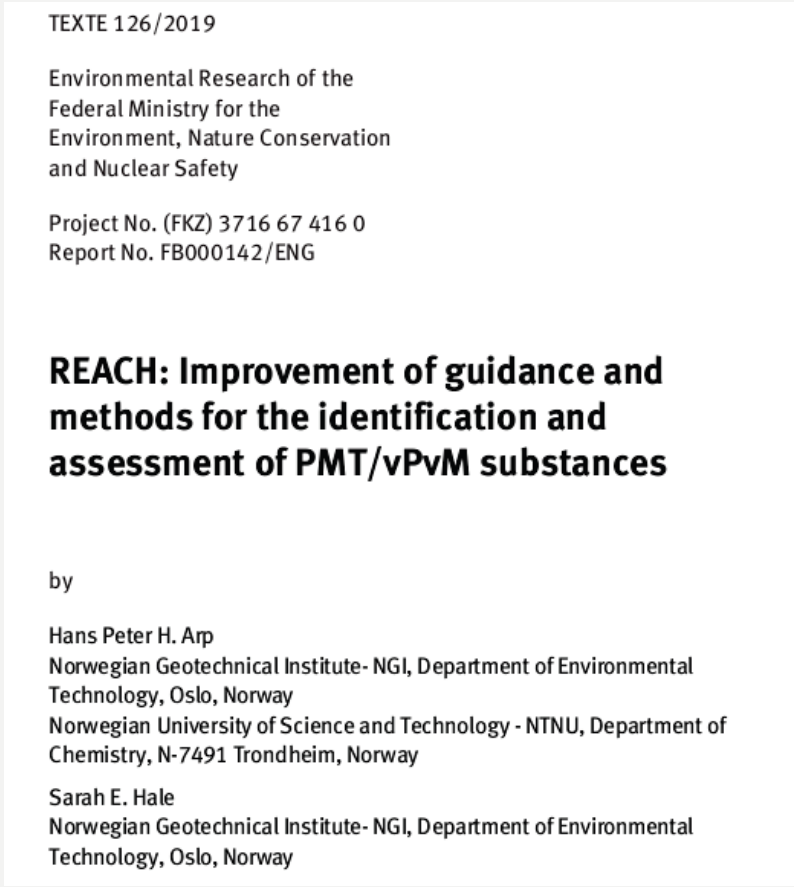
Environmental Sciences Europe

COMMENTARY Open Access

Persistent, mobile and toxic substances in the environment: a spotlight on current research and regulatory activities

Heinz Rüdel[1*], Wolfgang Körner[2], Thomas Letzel[3], Michael Neumann[4], Karsten Nödler[5] and Thorsten Reemtsma[6,7]

https://link.springer.com/content/pdf/10.1186/s12302-019-0286-x.pdf



TEXTE 126/2019

Environmental Research of the
Federal Ministry for the
Environment, Nature Conservation
and Nuclear Safety

Project No. (FKZ) 3716 67 416 0
Report No. FB000142/ENG

REACH: Improvement of guidance and methods for the identification and assessment of PMT/vPvM substances

by

Hans Peter H. Arp
Norwegian Geotechnical Institute- NGI, Department of Environmental Technology, Oslo, Norway
Norwegian University of Science and Technology - NTNU, Department of Chemistry, N-7491 Trondheim, Norway

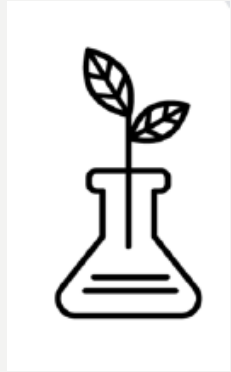
Sarah E. Hale
Norwegian Geotechnical Institute- NGI, Department of Environmental Technology, Oslo, Norway

https://www.umweltbundesamt.de/sites/default/files/medien/1410/publikationen/2019-11-29_texte_126-2019_reach-pmt.pdf

LC-GD-8-1-2020: Innovative, systemic zero-pollution solutions to protect health, environment and natural resources from persistent and mobile chemicals

- Type of Action: Research and Innovation Action (RIA)
- Very persistent and mobile chemicals
- Budget: 8-12 Mio € / project, 40 Mio € total
- Deadline: End of January 2021

Targeted Impact



- Better understanding of a persistent pollution problem

Targeted Impact

- Remediation and detection technologies
- Data for risk assessment

Proposed Activities

- Remediation technologies of contaminated soil and water
- New methods to measure chemicals in different media

Proposed Activities

- Environmental and human (bio)monitoring of persistent and mobile substances

Proposed Activities

- Gather toxicity and toxico-kinetic information
- Develop best practices for the management of waste

References

- Circular Economy Action Plan
- Chemicals –strategy for sustainability (toxic-free EU environment)
- Emerging chemical risks in Europe —'PFAS'
- Risks to human health related to the presence of perfluoroalkyl substances in food

LC-GD-8-2-2020: Fostering regulatory science to address combined exposures to industrial chemicals and pharmaceuticals: from science to evidence-based policies

- Type of Action: Research and Innovation Action (RIA)
- Industrial chemicals and pharmaceuticals
- Budget: 4-6 Mio € / project, 20 Mio € total
- Deadline: End of January 2021

Targeted Impact

- Identification of mixtures

- solutions to reduce the most critical exposures

Targeted Impact

- More targeted and innovative risk assessment of mixtures of chemicals and pharmaceuticals

Proposed Activities

- Solutions to quantify and prevent the most harmful co-exposures
- Solutions for the establishment of causality between co-exposures and effects

Proposed Activities

- Targeted and non-targeted high-throughput technologies for screening, and advanced bioinformatics approaches
- Identification of lead components in mixtures

References

- Chemicals –strategy for sustainability (toxic-free EU environment)

- Commission Communication on the EU strategic approach to pharmaceuticals in the environment

Grant conditions

- All monitoring data resulting from the projects data must be shared via Information Platform for Chemical Monitoring IPCHEM
- For human biomonitoring activities procedures and the network of reference laboratories established by HBM4EU should be used
- Dissemination obligations: contribute to the networking and experience sharing activities

Take home message

- Read carefully the topic text once it is published on the F&T portal
- Contact Euresearch for questions and help

Questions