



# NATECH RISK MANAGEMENT

Joint Project OECD, EC Joint Research Center, UNEP/OCHA Joint Environment Unit, UNECE



## Project Background

---

- Led by Germany and initiated in 2008;
- In cooperation with the EC Joint Research Center, the UNEP/OCHA Joint Environment Unit, UNECE;
- Goals:
  - Investigate the specificities of Natech for the prevention, preparedness and response to chemical accidents,
  - Exchange experience across countries (e.g. good practices, lessons learnt from Natech accidents), and
  - Provide guidance on Natech risk management.



## Recent publication

---

- Survey conducted in 2017 to collect experiences and good practices for Natech risk management across OECD and non-OECD member countries;
- Results of a joint OECD-UN Workshop on Natech Risk Management in Potsdam, Germany, 2018.



Organisation for Economic Co-operation and Development

ENV/JM/MONO(2020)4

Unclassified

English - Or. English

21 April 2020

ENVIRONMENT DIRECTORATE

JOINT MEETING OF THE CHEMICALS COMMITTEE AND THE WORKING PARTY ON CHEMICALS, PESTICIDES AND BIOTECHNOLOGY

Natech Risk Management: 2017-2020 Project Results

Series on Chemical Accidents

No. 32

JT03460940

*This document, as well as any data and map included herein, are without prejudice to the status of or sovereignty over any territory, to the delimitation of international frontiers and boundaries and to the name of any territory, city or area.*



# Record of good practices

- Includes more than 40 examples of Natech Risk Management practices across countries and from different stakeholders;
- Presented in easy-to-read fact sheets;
- Hosted by the German Environment Agency at:

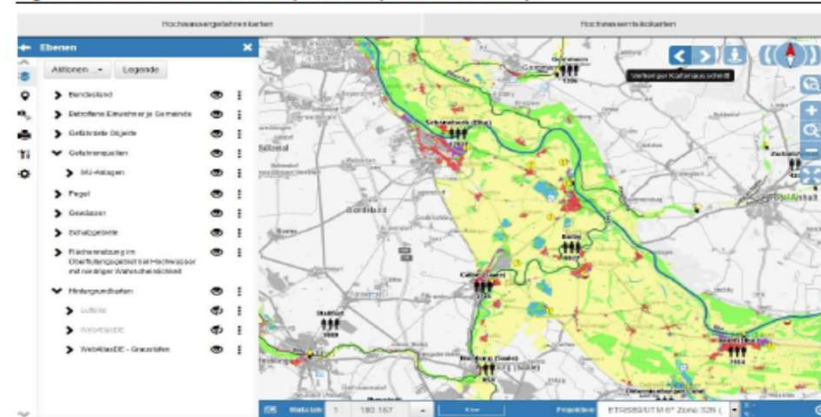
<https://www.umweltbundesamt.de/en/topics/economics-consumption/plant-safety/examples-of-good-practice-in-natech-risk-management> .

## 1.4 Interactive Flood Risk Map (Germany)

OECD GP Activity	UN SF Activity	UN SD Goals / Targets
1. Natural hazards identification and communication, NH (early) warning systems	4. Enhancing disaster preparedness for effective response	3.D Strengthen the capacity of all countries ... for early warning, risk reduction and management of national and global health risks

Classification according to OECD Guiding Principles, UN Sendai Framework Priorities/Activities, and UN SDGs and Targets

Figure 1: Interactive flood risk map of Saxony-Anhalt, Germany



Source: © Land Sachsen-Anhalt

Short Facts:	Natural Hazard(s) Considered:
<p>Governance approach: Hazard communication Source: Ministry for the Environment, Agriculture and Energy, State of Saxony-Anhalt (Ministerium für Umwelt, Landwirtschaft und Energie des Landes Sachsen-Anhalt) Entry into force: Targeted Stakeholders: The public Scope of applicability: National, regional</p>	<ul style="list-style-type: none"><li>• Flood</li></ul> <p>Climate change: Not included</p>



## Ongoing and future outcomes

---

- Brochure: short and easy to read awareness raising document on the importance to give proper consideration to the risk of Natech in chemical accident prevention, preparedness and response – publication planned for late 2020/early 2021;
- Guidance document (planned for 2024):
  - Aim to provide key information on Natech risks, on the critical components of a Natech risk management framework, e.g.:
    - in the development of policies, legislation, and regulations,
    - siting of industrial facilities,
    - risk analysis and assessment methods,
    - the elaboration and update of safety documents,
    - emergency plans,
    - transboundary cooperation.
  - Provide information on the integration of Natech risk management practices into the wider/general scope of chemical accidents prevention, preparedness and response.



## Webpages on Natech

---

- EU Joint Research Centre (JRC)'s [e-NaTech database](#);
- UNECE webpage on [The Industrial Accidents Convention and natural disasters](#)
- UNEP/OCHA Joint Environment Unit online, Environmental Emergencies Centre  
<https://www.eecentre.org/>
- Soon a dedicated Natech OECD webpage!