



**MANAGING NATECH ACCIDENT RISK :**  
**A JOINT OECD/UN/EC JRC GUIDE FOR**  
**SENIOR LEADERS IN INDUSTRY AND**  
**PUBLIC AUTHORITIES**



## OECD Project on Natech

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- Under the leadership of Germany & initiated in 2008;
- In cooperation with the UNECE, EC Joint Research Center, the UNEP/OCHA Joint Environment Unit;
- 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.
- Multiple workshops and publications since 2008, results available at:  
<https://www.oecd.org/chemicalsafety/chemical-accidents/risks-from-natural-hazards-at-hazardous-installations.htm>



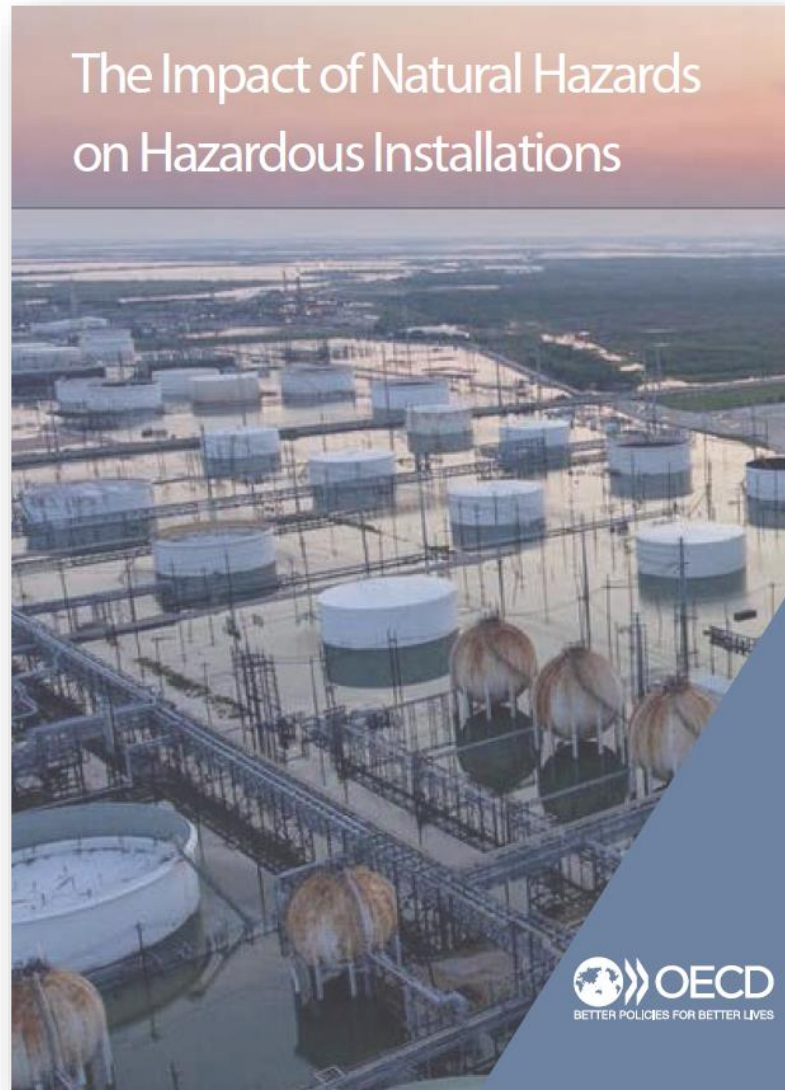
# OECD Natech Steering Group

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- Colombia,
- Czech Republic,
- France,
- Germany (lead country),
- Japan,
- Netherlands,
- Norway,
- Switzerland,
- United Kingdom,
- United States,
- Business at the OECD (BIAC),
- EC - JRC,
- ILO,
- Joint UNEP/OCHA Environment Unit,
- UNECE,
- European Environmental Bureau (EEB).



# Brochure to Raise Awareness on Natech Risk, 2022



1. *What is Natech?*
2. *The causes and consequences of Natech accidents*
3. *What makes the management of Natech risk so special?*
4. *How are Natech risks managed?*
5. *Natech risk management: examples of international support and transboundary cooperation*

<https://www.oecd.org/chemicalsafety/chemical-accidents/impact-of-natural-hazards-on-hazardous-installations.pdf>



# MANAGING NATECH ACCIDENT RISK: A GUIDE FOR SENIOR LEADERS IN INDUSTRY & PUBLIC AUTHORITIES

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- Joint OECD/UNECE/EC JRC Guide
- Draw attention to senior leaders in industry & public authorities to the risk of Natech,
- Provide high level guidance on how to approach and manage this risk,
- Help support:
  - ✓ a high level of commitment for the governance of Natech risk,
  - ✓ long term sustainable development at hazardous installations, including as a response to climate adaptation.



## Organised around three questions:

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1. What should I do as a leader to ensure good governance of Natech risk?
2. How do I gather and organise the capabilities and competences to do it?
3. How do I ensure my organisation continues to adapt to a changing environment?



# Draft Outline of the Guide

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1. Natechs and Leadership
2. The Importance of Natech Prevention & Preparedness – A Leaders’ Perspective
3. Risk Awareness & Governance: Understanding Vulnerabilities and Risks
4. Preventing Natech Accidents
  - Natural Hazard Mapping
  - Risk Assessment
  - Siting and Land-Use-Planning
  - Design and Construction
  - Adaptation to Changes in the Climate
  - Learning from Past Accidents
7. Emergency Preparedness and Response
  - Emergency Plans
  - Early Warning Systems
8. Leadership of a Multidisciplinary Team
9. International and Transboundary Considerations
10. Self Assessment Checklist





## Timelines

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- Text currently being drafted by the Steering Group;
- First draft of the Guidance available for review at next OECD Working Party on Chemical Accidents meeting in October 2023;
- Publication planned in 2024.