



GLOBAL WORKSHOP
ON BUILDING CLIMATE - RESILIENCE THROUGH
IMPROVING WATER MANAGEMENT AND SANITATION
AT NATIONAL AND TRANSBOUNDARY LEVELS

29 - 31 March 2021, hybrid
Palais des Nations, Geneva and online

**Perspectives on reducing disaster risk and managing health impacts in a
changing climate**

Speaker: Max Linsen, consultant



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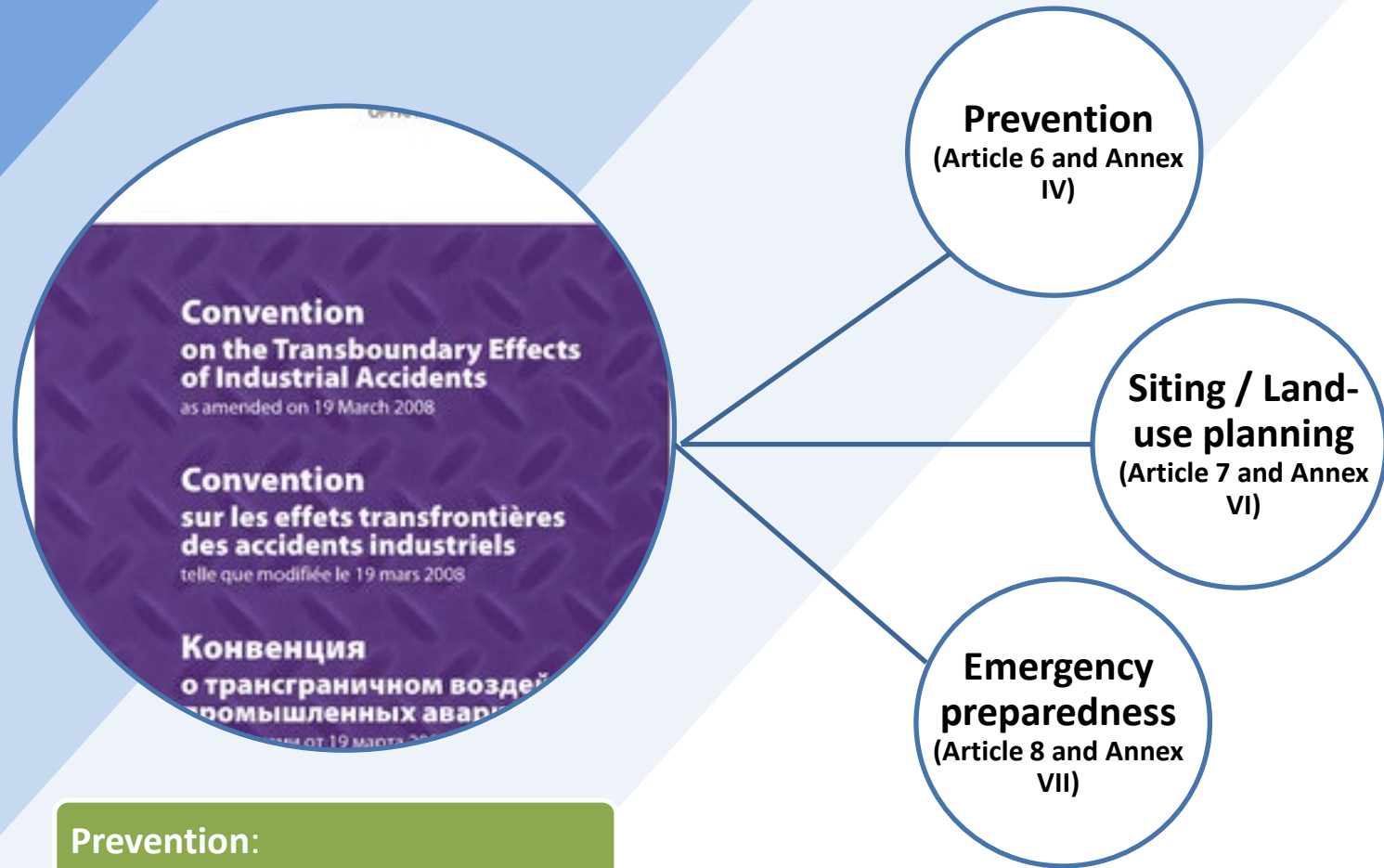


**Water Convention/
Protocol on** **Water&Health**



UNECEWater

Industrial safety and Disaster Risk Reduction: the UNECE Industrial Accidents Convention



Prevention:

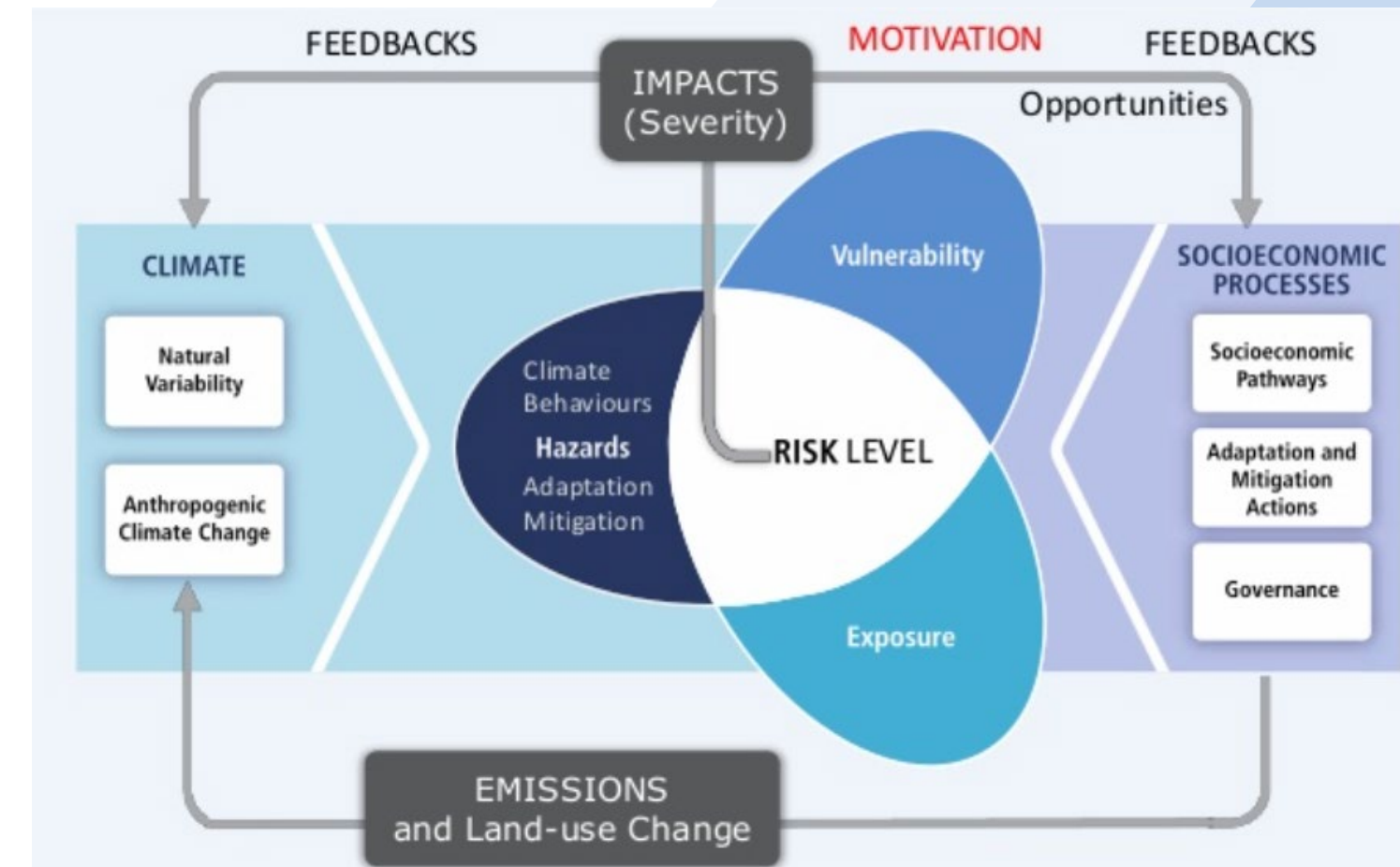
- Hazard identification/mapping
- Risk assessment, siting and land-use planning

Preparedness:

- Contingency planning (on- and off-site),
- Harmonized across borders

Response:

- Early warning,
- Accident notification
- Mutual assistance



Source: Hans-O. Portner at <https://www.slideshare.net/ipcc-media/scientists-ipcc-working-group-ii-assessing-research-on-impacts-adaptation-and-vulnerability-during-the-6th-assessment-cycle-ar6>

Health and disaster risk: what are the links?



- Poisonous fish stocks



Photo by Anonymous (Greenpeace)

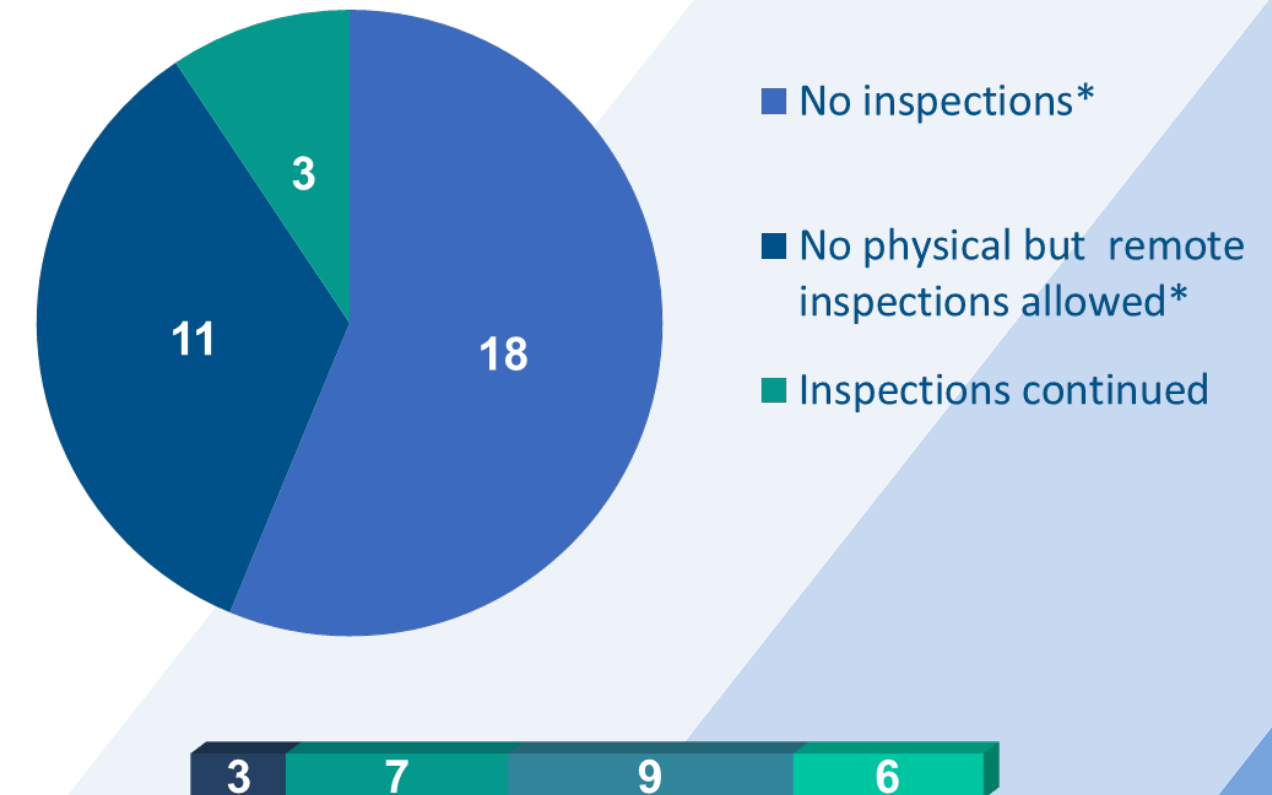
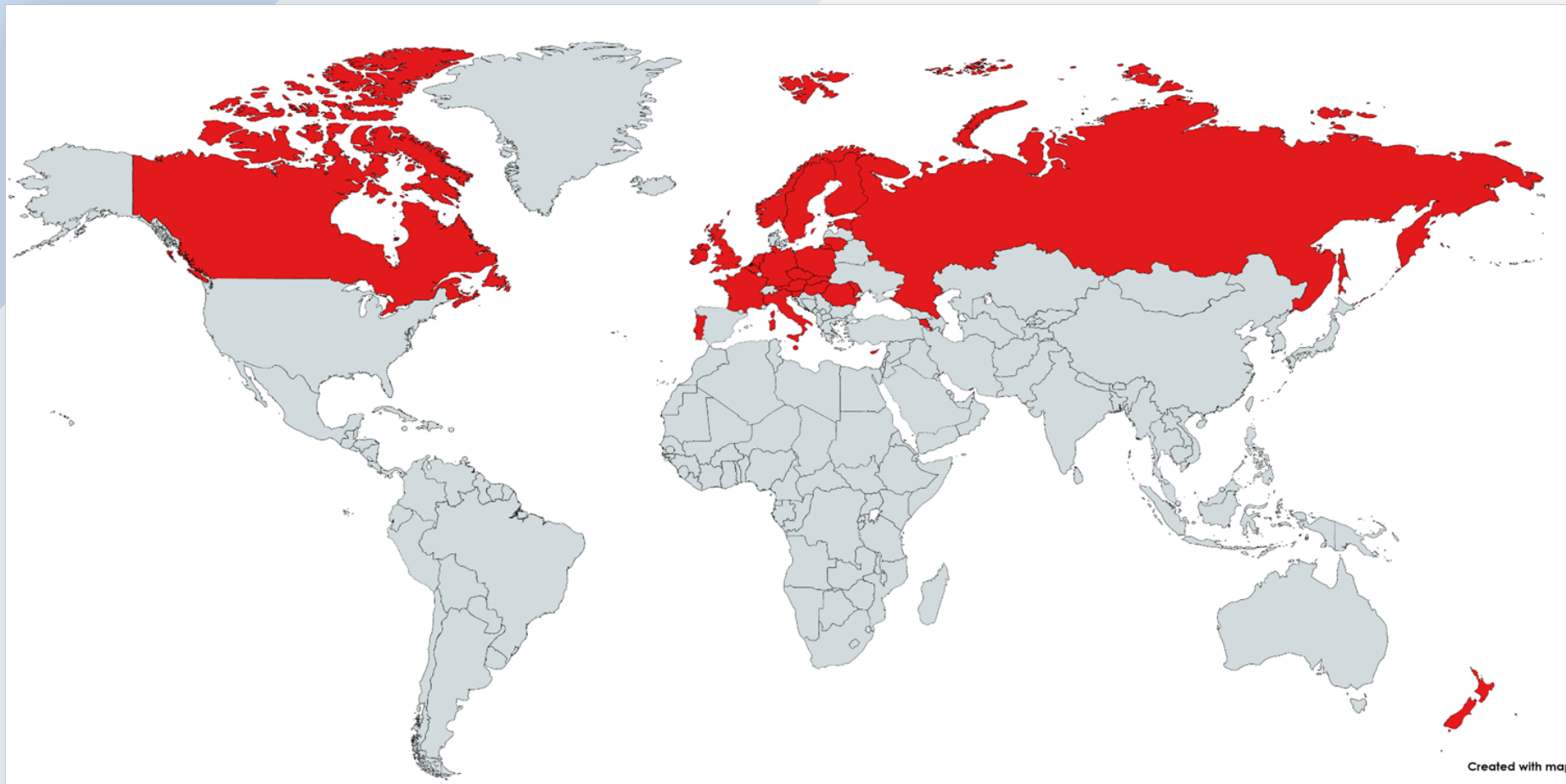
- Toxic spills



Photo by Raid, used in <https://www.theguardian.com/global-development/2021/jan/28/mining-giant-glencore-faces-human-rights-complaint-over-toxic-spill-in-chad>

Health and disaster risk: what are the links?

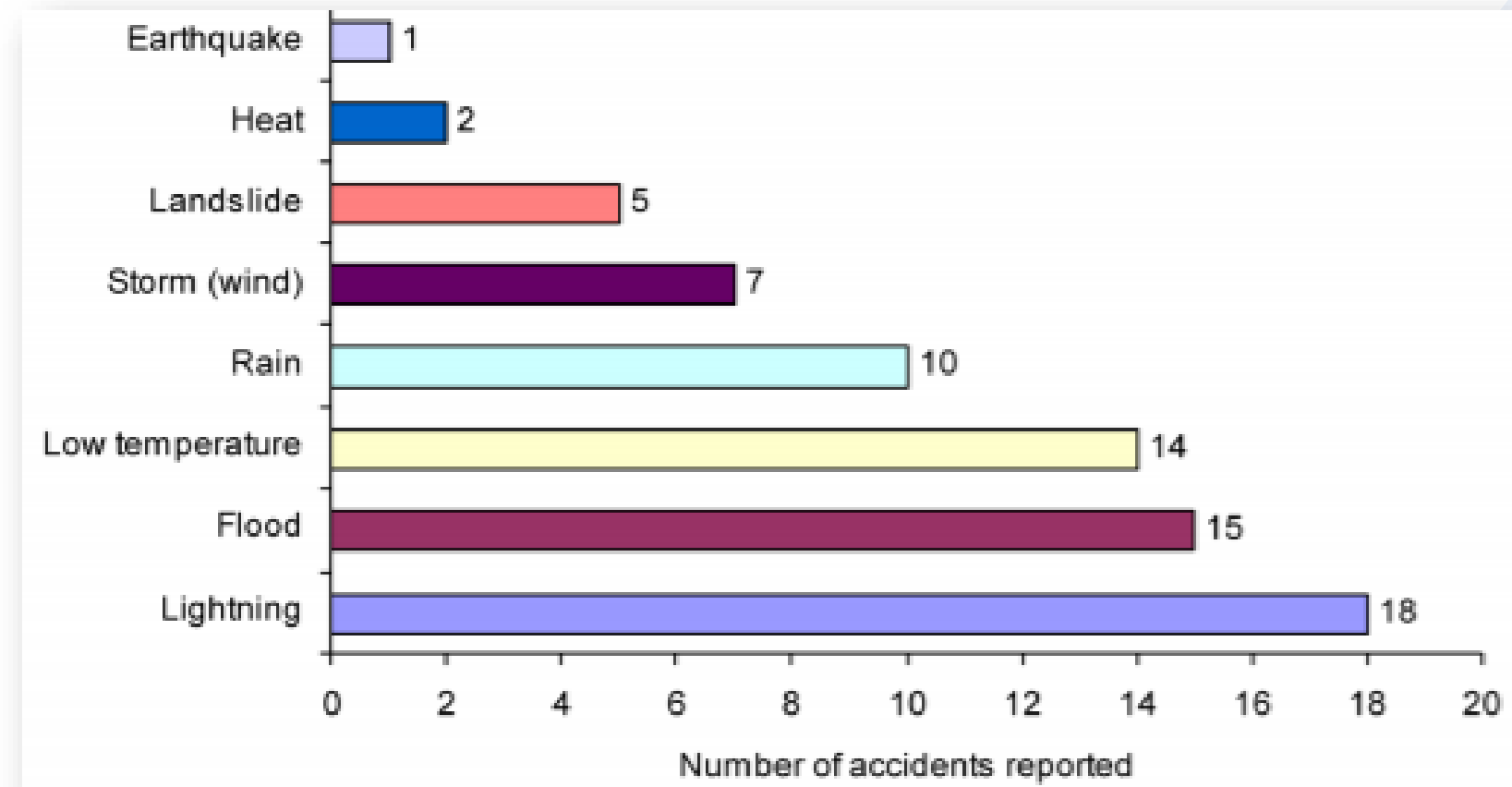
- Example: The COVID-19 pandemic and industrial safety inspections



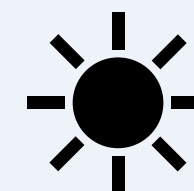
Accidents triggered by natural disasters



Photo by [Denys Argyriou](#) on [Unsplash](#)



JRC Lessons learned bulletin no 6: <https://ec.europa.eu/jrc/sites/jrcsh/files/natech-lessons-learned-bulletin-no6.pdf>



Natech



OECD, Germany, the UN Environment/OCHA Joint Unit, the EU Joint Research Centre, and other member States and partners

The Industrial Accidents Convention:

Dealing with the common challenge of natural and man-made risks

Awareness

Integrating the right terminology in the Global Assessment Report (2019)

Words into Action guidelines

<https://www.undrr.org/publication/words-action-guideline-man-made/technological-hazards>

Industrial Accidents Convention web page on Natech

<https://unece.org/industrial-accidents-convention-and-natural-disasters-natech>

Capacity building projects

Implementing the Convention in Central Asia

Projects on mine tailings safety all over the region

See <https://unece.org/implementation-phase> for examples of projects

Cross-sectoral coordination

Good practice in River Basin Commissions through warning and alarm systems

Portugal integrates natural and industrial risks at its National Platform for Disaster Risk Reduction

Kazakhstan has set up inter-institutional working groups on tailings safety and prevention of accidental water pollution

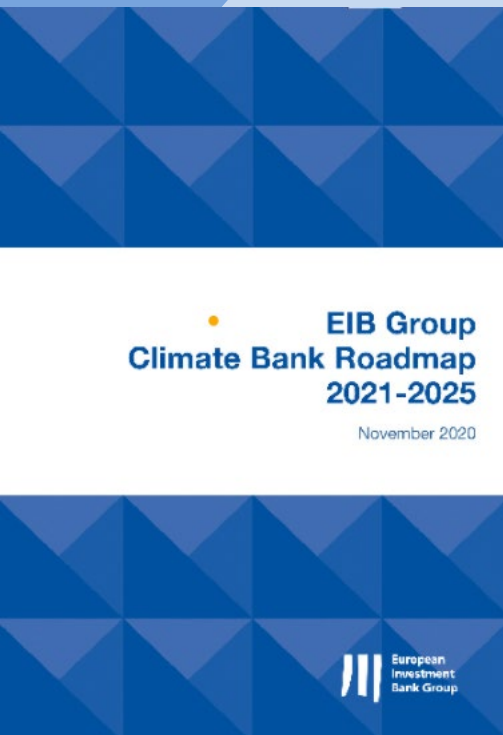
Regulatory framework and policies

The Decision on strengthening mine tailings safety in the UNECE region and beyond adopted in December 2020

Links DRR, climate change and extreme weather events to safe management of mine tailings

Asks countries to respond adequately to these phenomena

From policy to projects: EIB perspective on DRR, health and climate change



• to meet the long-term temperature and climate-resilience goals of the Paris Agreement.

2020s is the critical decade

The EIB Group Climate Bank Roadmap 2021-2025

- sets out ambition as the EU Climate Bank
- supports climate action and environmental sustainability to exceed 50% of its overall lending activity by 2025 and beyond
- thus helps to leverage €1 trillion of investment by the EIB Group over the critical decade ahead.

- In a broader sense:
 - investments in adaptation in support of disaster preparedness, early warning systems
 - post-disaster recovery
 - projects

Contributes to health and disaster risk recovery

By the end of the century, climate-related disasters could affect about two-thirds of the EU population

- With losses alone from flooding in excess of €1 trillion per year in a high-emission scenario.
- Even in a more moderate scenario, damage to Europe's critical infrastructure could increase tenfold, to €34 billion per year.

Thank you

For more information on the Industrial Accidents Convention:

<https://unece.org/environment-policy/industrial-accidents>

More on Natech risk management in the UNECE region and beyond:

<https://unece.org/industrial-accidents-convention-and-natural-disasters-natech>

And for more on the EIB Group Climate Bank Roadmap 2021-2025:

<https://www.eib.org/en/publications/the-eib-group-climate-bank-roadmap>