

## Objectives of the seminar

The main objective of the seminar is to provide support to UNECE countries in the implementation of the UNECE Industrial Accidents Convention by exchanging information and sharing experiences and practices about the use of effect and risk assessment in the context of the Convention.

More specifically, the seminar aims to:

- Inform the risk reduction community on the role of effect and risk assessment and the methodologies for industrial accident prevention, preparedness and response;
- Raise awareness of effect and risk assessment methodologies used by member States, in particular the Parties to the Convention and the beneficiary countries of its Assistance Programme;
- Present the overall approach and concept of the effect & risk assessment analysis by explaining the main elements and the relationship between them (type of methodology – origin of assumptions – endpoint values – risk criteria, etc);
- Present the procedures for implementing effect and risk assessment methodologies and the lessons learned from those experiences;
- Provide a forum for the exchange of ideas and good practices with a view to their adoption;
- Provide input into the future work of the UNECE Industrial Accidents Convention.



Palais des Nations  
1211 Geneva  
Switzerland

4 DECEMBER 2018

# UNECE Seminar on Risk Assessment Methodologies



The seminar will be held in the framework of the tenth meeting of the Conference of the Parties to the UNECE Convention on the Transboundary Effects of Industrial Accidents

4th December, 10am - 6pm

Room VII Palais des Nations,  
1211 Geneva 10, Switzerland

**Register online**

<https://www.unece.org/index.php?id=46249>

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## AGENDA

10.00 – 10.15 Opening of the tenth meeting of the Conference of the Parties to the UNECE Industrial Accidents Convention by Jasmina Karba, Ministry of Environmental and Spatial Planning, Slovenia, Chair of the Conference of the Parties and member of the small group on risk assessment

### Session I

10.15 – 11.00 Setting the scene: Linking effect and risk assessment methodologies with the UNECE Industrial Accidents Convention, the Sendai Framework for Disaster Risk Reduction 2015–2030 and the Sustainable Development Goals  
*Moderator: Jasmina Karba, Ministry of Environmental and Spatial Planning, Slovenia and Chair of the Conference of the Parties and member of the small group on risk assessment*

10.15 – 10.20 Introduction by session moderator.

Introduction to effect and risk assessment methodologies: defining the scope of the seminar and the selection of the cases  
*Martin Merkofer, Federal Office for the Environment, Switzerland and member of the Convention's Bureau and of the small group on risk assessment*

10.20 – 10.50 Scope of the Industrial Accidents Convention, evaluation of the implementation reports and recommendations by the Working Group on Implementation  
*Leo Iberl, Bavarian State Ministry of the Environment and Consumer Protection, Germany and Chair of the Working Group on Implementation*

Relevance of risk assessment in the light of the Sendai Framework, SDGs and the Convention's draft long-term strategy  
*United Nations Economic Commission for Europe secretariat*

Link to the UNISDR Words into Action guidelines on national disaster risk assessment  
*United Nations Office for Disaster Risk Reduction*

10.50 – 11.00 The moderator takes questions from the floor

11.00 – 11.20 Coffee Break

### Session II

11.20 – 13.00 Overview of different effect and risk assessment methodologies among UNECE member States  
*Moderator: Michael Struckl, Federal Ministry for Digital and Economic Affairs, Austria and member of the Convention's Bureau and of the small group on risk assessment*

11.20 – 11.25 Introduction by session moderator.

11.25 – 11.40 Analyzing the risks of chemical accidents, including natural-hazard-triggering technological disasters (NATECH)  
*Elisabeth Krausmann, European Commission Joint Research Centre, Major Accident Hazards Bureau*

11.40 – 11.55 20 years of safety reports in Italy: risk assessment methodologies employed  
*Dino Poggiali and Roberto Emmanuele, National Fire Brigade, Italy*

11.55 – 12.10 Methodological framework for risk assessment in the Russian Federation  
*Mikhail Lisanov, Center for Risk Analysis, Russian Federation*

12.10 – 12.25 The New Manual for Risk Calculations in Flanders as the result of the Project Unification  
*Karola Imbrechts, Department of Environment and Spatial Development, Flanders, Belgium*

12.25 – 12.40 Methodology of the Safety Report development with a special focus on risk assessment methodology that is applied in Serbia  
*Bojan Srdic, Ministry of Environmental Protection, Serbia*

12.40 – 13.00 The moderator takes questions from the floor.

13.00 – 15.00 Lunch

### Session III

15.00 – 15.45 Evaluation criteria for risks related to major accident hazards for the protection of humans and the environment and risk acceptance values  
*Moderator: Gerhard Winkelmann-Oei, Federal Environmental Agency, Germany and member of the Convention's Bureau*

15.00 – 15.05 Introduction by session moderator.

15.05 – 15.15 Evaluation criteria for Seveso establishment in the Netherlands  
*Anneke Raap, Ministry of Infrastructure and Water, Netherlands*

15.15 – 15.25 Quantitative evaluation criteria for humans and the environment in Switzerland  
*Raphaël Gonzalez, Federal Office for the Environment, Switzerland and member of the Working Group on Implementation and the small group on risk assessment*

15.25 – 15.35 Evaluation criteria used by the Health and Safety Executive in the United Kingdom  
*Rachel McCann, Health and Safety Executive, United Kingdom and member of the Working Group on Implementation*

15.35 – 15.45 The moderator takes questions from the floor.

### Session IV

15.45 – 16.30 Specific application of effect and risk assessment criteria by UNECE member states in a transboundary context  
*Moderator: Pawel Dadasiewicz, Chief of the Inspectorate for Environmental Protection, Poland, and Vice-Chair of the Conference of the Parties*

15.45 – 15.50 Introduction by session moderator.

15.50 – 16.00 Summary of the UNECE Guidance on Land-Use Planning, the Siting of Hazardous Activities and related Safety Aspects  
*Michael Struckl, Federal Ministry for Digital and Economic Affairs, Austria and member of the Convention's Bureau and of the small group on risk assessment*

16.00 – 16.10 Risk assessment at oil terminal in Danube Logistics SRL (DL), as operator of the Giurgiulesti International Free Port  
*Svetlana Stirbu, ICS Danube Logistics SRL, Giurgiulesti International Free Port, Republic of Moldova*

16.10 – 16.20 Experiences of and lessons learned from an accident prevention and water quality damage control exercise – Danube River, Hungary  
*Balázs Kovács, General Directorate for Disaster Management, Hungary*

16.20 – 16.30 The moderator takes questions from the floor.

16.30 – 16.50 Coffee break

### Session V

16.50 – 17.50 Panel discussion – Needs and opportunities related to the implementation of effect and risk assessment methodologies in the UNECE Industrial Accident Convention agenda  
*Moderator: Chris Dijkens, consultant, formerly with the Ministry of Infrastructure and the Environment of the Netherlands*

16.50 – 16.55 The moderator presents the topic of the discussion as well as the panelists.

The moderator invites the panelists to describe the implementation of effect and risk assessment methodologies as well as the advantages and disadvantages of these methodologies with respect to their institutions.  
Panelists:

*Representative of the United Nations Office for Disaster Risk Reduction;*  
*Eivitas Tupikas, Ministry of the Interior Fire and Rescue Department, Lithuania;*  
*Svetlana Stirbu, ICS Danube Logistics SRL, Giurgiulesti International Free Port, Republic of Moldova;*  
*Anneke Raap, Ministry of Infrastructure and Water, Netherlands;*  
*Torill Tandberg, Norwegian Directorate for Civil Protection, Norway, Chair of the OECD Working Group on Chemical Accidents and member of the Convention's Bureau;*  
*Irma Gurguliani, Ministry of Environmental Protection and Agriculture, Georgia;*  
*Zsuzsanna Gyenes, Institution of Chemical Engineers (ICChemE).*

17.50 – 18.00 Wrap-up of the Seminar by Michael Struckl, Federal Ministry for Digital and Economic Affairs, Austria and member of the Bureau and of the small group on risk assessment.