

# UNECE Joint Expert Group



**Gerhard Winkelman-Oei**  
**Federal Environmental Agency**  
Dessau, Germany

Gerhard Winkelman-Oei  
German EPA

# UNECE - Joint Activities

## **Joint Expert Group**

### Co-Chair:

- Peter Kovacs (Hun)
- Gerd Winkelmann (Ger)

**Water-  
Convention**

**Industrial Accident-  
Convention**

# UNECE JEG

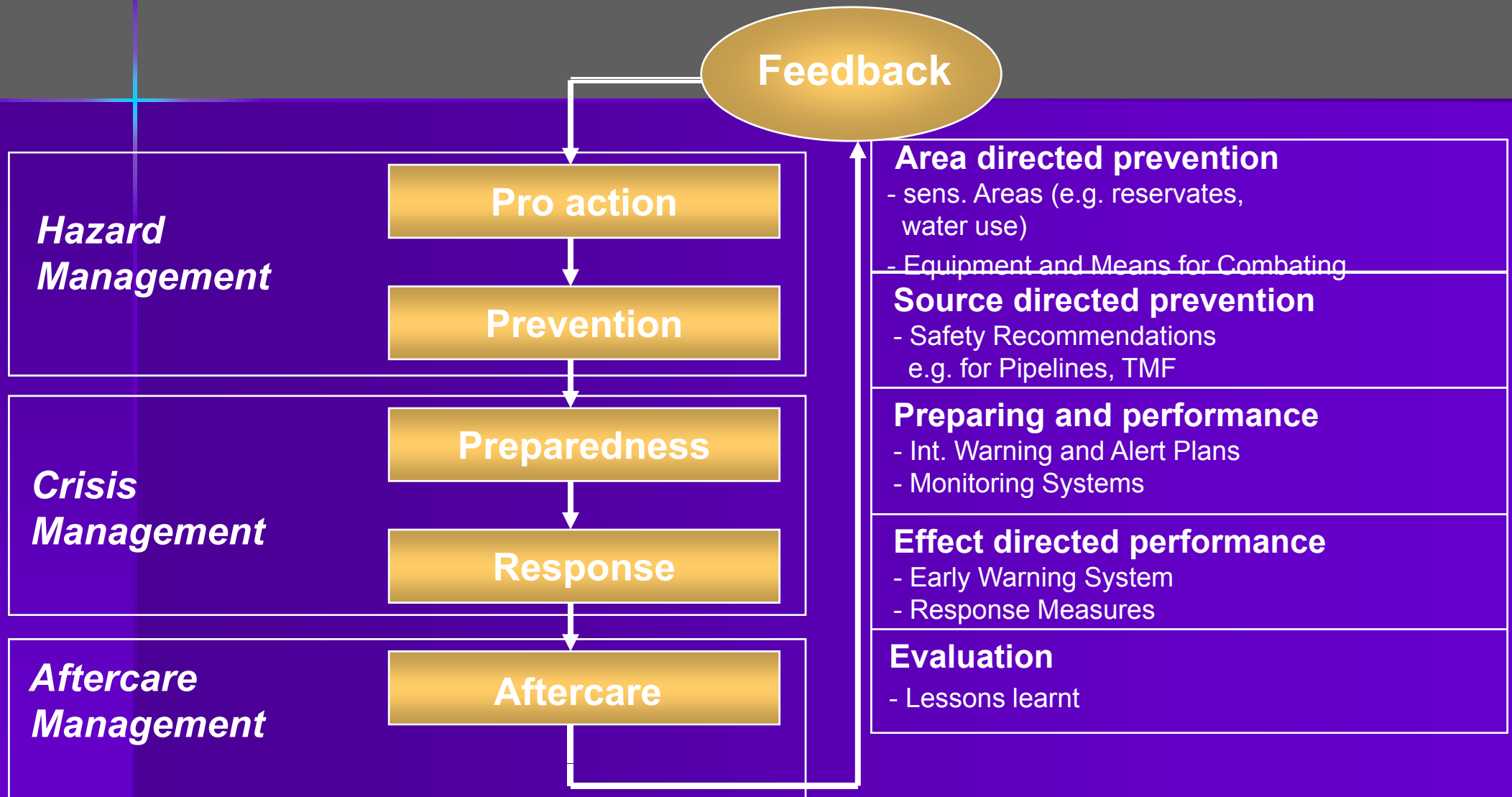
```
graph TD; A[UNECE JEG] --- B[Compliance]; A --- C[Safety Guidelines]; A --- D[Contingency Planning]
```

**Compliance**

**Safety  
Guidelines**

**Contingency  
Planning**

# Risk Management - Safety chain





# UNECE

## Joint River Bodies

→ Joint Expert  
Group





# Harbin, China 2005

## Chemieunfall in Harbin



German EPA

# UNECE Joint Expert Group

- **Work Accomplished**
- **Actual Work Plan**
- **Outlook**

# UNECE Joint Expert Group

## Work Accomplished

- Internet-based Information Platform
- Safety Guidelines/Best Practises for Pipelines



# UNECE Joint Expert Group

## Internet-based Information Platform

### Structure

- UNECE Safety Guidelines
- Safety Guidelines adopted by International River Commissions (i.e. Rhine, Danube)
- Safety Guidelines adopted by bilateral Joint Bodies
- National Safety Guidelines and/or technical Standards
- other related Guidelines or Activities

→ <http://www.unece.org/env/teia/water/inventory.htm>

# Safety Guidelines/ Best Practices for Pipelines

ECE/CP.TEIA/2006/11 – ECE/MP.WAT/2006/8

- **Principles**
- **Recommendations**
  - **UNECE-Parties**
  - **Competent Authorities**
  - **Operators**



# UNECE Joint Expert Group

## Work Plan

- I. Drawing up Safety Guidelines/Best Practices for Tailing Dams**
- II. Provision of Guidance for establishing Cross-border Contingency Plans**
- III. Promotion of the organization of Response Exercises, in particular in the transboundary context**



# UNECE Joint Expert Group

## Work Plan 2007 - 2008

### I. Safety Guidelines for Tailing Management Facilities (TMF)



## Work Plan:

# II. Provision of Guidance for establishing Cross-border Contingency Plans

### Countries:

- Ukraine
- Rep. of Moldova
- Germany

2006 - 2008

„Transboundary Cooperation  
on Risk Management at the  
Dniester River Basin“



## Work Plan:

### III. Promotion of the Organization of Transboundary Response Exercises



- **Bulgarian – Romanian-  
(Serbian)  
Response Exercise 2008**
- **German - Polish  
Response Exercise 2009**





# JEG Cooperation with UNECE – WG Monitoring and Assessment UNECE-Seminar, Chernovtsy, 15 October 2007

## “Threshold Criterias at transboundary River Basins”



# Threshold Levels at different River Basins

## River Basin

## Water Risk Index

■ Elbe	1
■ Danube	2 - 3 ( $> 1000 \text{ m}^3/\text{s}$ )
■ Kura	2
■ Njeman	1,7 – 2 ( $> 500 \text{ m}^3/\text{s}$ )
■ Dnestr	2

# IV. Supporting the Implementations of the Hamburg Recommendations

## Safety Recommendations to:

- **WASTEWATERS**
- **FIRE PROTECTION**
- **TRANS-SHIPMENT**
- **FLOOD AREAS**

→ Practical Implementation

→ Site Visit (Ukraine ?)



**Lviv, 2007**

**Thank You for  
Listening!**



**Toxic Release of  
Phosphorus**

Gerhard Winkelmann-Oei  
German EPA