



The final presentation...

Implementation of industrial risk and accident prevention policies in the Republic of Croatia

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Chemicals in the industrial sector and modern society



Industrial accidents





Directive on the control of major-accident hazards involving dangerous substances (Seveso Directive)

The competent authorities for Seveso Directives implementation in Croatia:

- **Ministry of Environment and Energy**
- **National Protection and Rescue Directorate**

Seveso was transposed in 2008, and Seveso III in 2013 through Croatian Environmental Protection Act (OG, No. 80/13, 78/15):

- **Regulation on the prevention of major accidents involving dangerous substances (OG, No. 44/14, 31/17, 45/17)**
- **Ordinance on the register of establishments in which dangerous substances are present and the register of reported major accidents (OG, No. 139/14)**
- **Bylaws in the field of protection and rescue**



Directive on the control of major-accident hazards involving dangerous substances (Seveso Directive)

By introducing the Directive on the control of major-accident hazards involving dangerous substances, Seveso Directive, Croatian legislation has ensured:

- **increased security in the management of industrial processes,**
- **reduction of the risk of major accidents and sudden events related to industrial processes and dangerous substances and groups of dangerous substances,**
- **public awareness and the public concerned about industrial processes and dangerous substances related to industry in their environment,**
- **transparency of information on possible risks and consequences of major accidents and possible domino effects.**



Institutional cooperation

Ministry of Environment and Energy

- competent body for the adoption and interpretation of legislation
- verifies the notification forms for the presence of dangerous substances,
- checks and approves the Safety Report and Major Accident Prevention Policy
- informs the establishments with potential or increased risk of domino effect

Environmental Inspection

- performs independent supervision of establishments
- performs coordinated inspection in co-operation with other competent inspections,
- checks data in notification forms for the presence of dangerous substances in the establishments,
- checks the measures for prevention of major accidents, safety management system and Safety Report

Institutional cooperation

National Protection and Rescue Directorate

- participates in coordinated inspections of Seveso plants,
- conducts separate inspections for under-tier establishments,
- verifies the notification forms for the presence of dangerous substances for under-tiers,
- draws up documents in the field of protection and rescue.





Institutional cooperation

Cooperative Institutions in the Seveso Directives Implementation

Ministry of Construction and Physical Planning (MCP)

- participate in the physical planning and planning in accordance with the regulation governing the physical planning

Local and Regional Self-Government Units

- Develop External Plans
- Civil protection plans



Institutional cooperation

Close cooperation, communication and coordination will be required with the following project stakeholders:

- Ministry of Construction and Physical Planning (MCP)
- Ministry of Health
- Croatian Institute for Toxicology and Antidoping (CITA)
- Croatian Chamber of Economy (CCE)
- Ministry of Economy, Entrepreneurship and Crafts (MEEC)
- Ministry of Defence
- Ministry of Culture
- Ministry of Finance - Customs Administration
- Ministry of the Interior
- Ministry of Agriculture
- Hrvatske vode
- Local and regional self-government units
- All relevant inspections

Croatian Seveso database

Database Register of establishments in which dangerous substances are present (**RPOT**) and the Register of reported major accidents (**OPVN**) contains data on **dangerous substances** present in industrial plants and warehouses (plant areas), **their quantities, properties and hazards**, as well as **risk assessment** data

Verification of data are performed in database by verifiers:

- Ministry of Environment and Energy (for upper-tier and lower-tier establishments)
- National Protection and Rescue Directorate (for under-tiers)

Data are **publicly available** in accordance with the Regulation on Information and Public Participation and Public Interest in Environmental Issues (OG 64/08) through the database (<http://rpot.azo.hr/rpot/index.html>) and annual National reports.



Information contained in RPOT/OPVN is used for:

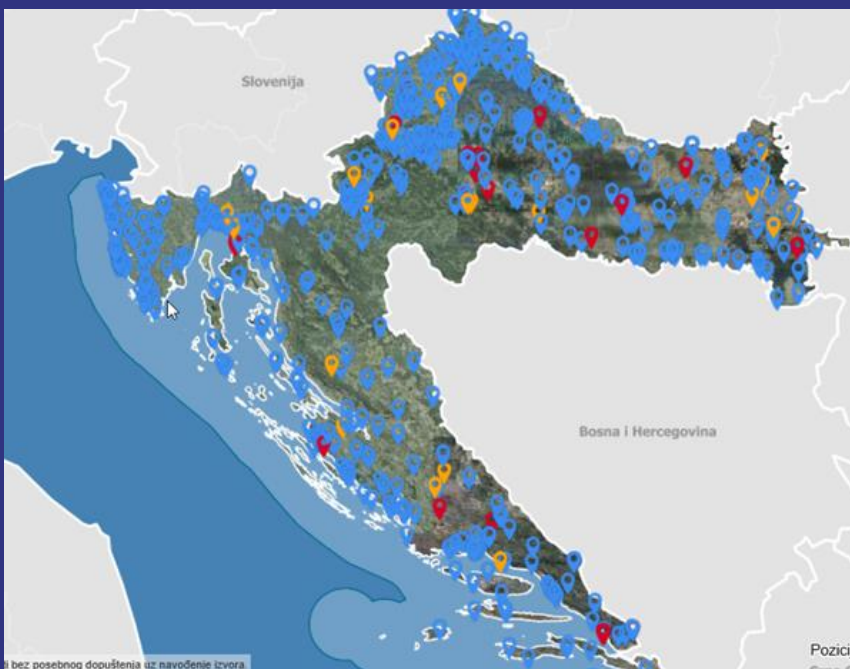
- Population, heritage and environmental risk assessment (for legal entities and local authority);
- Protection and rescue plans in case of accidents involving dangerous substances and other documents in the area of protection and rescue;
- Production of Spatial Plans,
- Civil protection plans (local and regional authority).

RPOT/OPVN are also used for:

- Reports on progress of implementation of the Seveso Directive in Croatia (EC);
- Reporting to eSPIRS (Seveso Plants Information Retrieval System) (EC/JRC);
- Reporting to eMARS (Major Accident Reporting System) (EC/JRC);
- Reports to the International Commission for the Protection of the Danube River on Seveso plants in Danube River Basin (ICPDR);
- Reports to the Convention on the Transboundary Effects of Industrial Accidents (UNECE/TEIA).



Status in the Republic of Croatia



- 675 under-tier establishments (gas stations, hotels, etc.)
- 41 Seveso establishments (20 lower-tier and 21 upper-tier)
- 33 establishments with potential domino effect

Total of 3,781,242.74 t substances with potential harmful effect for health, environment, physical effects (flammable, explosive) and other dangerous characteristics.

Environmentally harmful substances are mostly present (54.38%), as well as flammable and explosive substances (45.08%). Health risk and other dangerous substances are present in low percentages (0.5% and 0.02%).



Thank you!



**Better
Information
For
Industrial
Safety
In
Croatia**

