SEVESO II
Implementation by Croatian authorities

DIRECTORATE FOR INSPECTION
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<tr>
<td><strong>Surface area</strong></td>
<td>56,602 km²</td>
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<tr>
<td><strong>Population</strong></td>
<td>4,437,460</td>
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<tr>
<td><strong>Language</strong></td>
<td>Croatian</td>
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<tr>
<td><strong>Capital</strong></td>
<td>Zagreb</td>
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<tr>
<td><strong>Population density</strong></td>
<td>78.4 inh/km²</td>
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<td><strong>BDP (US$)</strong></td>
<td>5,634</td>
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Republic of Croatia

- 20 counties
- City of Zagreb
- 123 towns
- 423 municipalities
- 6,759 settlements
INDUSTRIAL RISK MANAGEMENT – LEGAL FRAMEWORK

- Convention on the Transboundary Effects of Industrial Accidents (ratified 1999)
- Environmental Protection Act (Official Gazette No. 110/07)
  - Regulation on the prevention of major accidents involving dangerous substances (Official Gazette No. 114/2008)
  - Ordinance on the register of installations in which dangerous substances have been identified and on the register of reported major accidents (Official Gazette No. No.113/08)
- Regulation on the manner of establishing environmental damage (Official Gazette No. 139/08)
- Rule book on the measures for remedying the environmental damage and the restoration programmes (Official Gazette No. 145/08)
APELL

- Awareness and preparedness for emergencies at local level: a process for responding to technological accidents, UNEP
- The strategy of the APELL approach is:
  - to identify and create awareness of risks in an industrialised community,
  - to initiate measures for risk reduction and mitigation,
  - and to develop co-ordinated preparedness between the industry, the local authorities and the local population.
- In 1992, theUNCED endorsed APELL in Agenda 21.
Environmental Protection
Emergency Plan
(Official Gazette No. 82/99, 86/99, 12/01)

- In compliance with
  The Convention on the
  Transboundary Effects of Industrial
  Accidents and Directive 96/82/EC
  (Seveso II, Annex 2)

- In line with APELL programme
Environmental Protection Emergency Plan

The subject of the Plans for legal and natural persons:

- Plans have to be made in conformity with EPA 40 CFR 68, including “worst case” analyses and a calculation for threat zones.
- Plans must be submitted to the respective county expert commissions.
- Shall apply to possible environmental accidents or environmental emergencies likely to cause environmental risks and human health hazards.
EPE Plan of the operator (Internal Plan) shall define:

- types of risks and hazards,
- procedures and measures for mitigation and elimination of immediate (environmental) consequences,
- actors in charge of implementation of individual measures,
- implementation of responsibilities and authorisations,
- and methods of coordination with contingency measures implemented according to other regulations.
INSPECTION OF IMPLEMENTATION OF ECP

- **982** ECPs of legal and natural persons in Republic of Croatia
- **820** inspection controls (2001-2004)
- **478** inspection rulings (2001-2004)
- **388** inspection rulings realized (2001-2004)
Environmental protection act
(Official Gazette No. 110/07)

- Defines the obligations of the Operator and Competent Authorities in relation to prevention of MA and mitigation of their consequences:
  - Approval of the Safety report
  - Define the obligations of the Operator in the case of changes in Operation of the Installation
  - Notification on the implementation of safety measures (available to the public!)
  - Notification in the case of major accident
  - Data exchange for the purpose of preventing and mitigating domino effects
  - Registry of installations in which hazardous substances are present
  - Physical plans as an environmental protection instruments
  - Procedures in the case of the transboundary effects of MA

- Maner of performing inspectional supervision
RELATED OBLIGATIONS

- Water Protection Plan
- Fire Protection Act (including fire risk assessment)
- Occupational Health and Safety Act (including occupational risk assessment)
- Transport of Hazardous Substances Act
Regulation on the prevention of major accidents involving dangerous substances (II)

- Safety report
- Approval of the SR
- Obligations of the operator in the case of changes
- Informning the public in the event of MA
- Suprevisión over the implementation of the activities and measures in accordance with the operator’s notifications and issued approval of the safety report
- Register of companies and their installations which may cause domino effect accidents
Regulation on the prevention of major accidents involving dangerous substances (I) (Official Gazzette 114/08)

- Dangerous substances and their classification
- Obligation of the operators
  - Basic obligations
  - Requirements concerning the prevention of major accidents
  - Obligations aimed at limiting the effects of major accidents
  - Other obligations
  - Mandatory notification of presence of dangerous substances in the installation
- Installations in which small quantities of DS are present
- Installations in which large quantities of DS are present
The Croatian Government made the Croatian Environment Agency responsible for creation of a REGISTER of installations with DS for Croatia

82 operators on 186 locations of risky installations

(preliminary list from emergency plans)
Agreement on co-operation between inspection services in the field of environment, 5. Jun 2008

- Co-ordinated inspection controls of installations involving hazardous substances which may cause major accidents
- Annual plan, submitted report on co-ordinated inspection available on web
RELATED COMPETENT INSPECTIONS

- FIRE PROTECTION INSPECTION
- WORK SAFETY INSPECTION
- WATER PROTECTION INSPECTION
- NATIONAL PROTECTION AND RESCUE DIRECTORATE
- VESSEL PREASURE INSPECTION
- SANITARY INSPECTION (TOXIC SUBSTANCES)
(EP) INSPECTOR COMPETENCY REQUIREMENTS

- Professional degree:
  - minimum UNIVERSITY DEGREE - B.Sc., (mechanical engineering, chemical technology, biotechnology, veterinary, natural science, agronomy, pharmacy, medicine, forestry, geology, mining, work safety)
  - Inspectorial master’s exam

- Experience: 5 years for inspectors
  10 years for senior inspectors

- Current situation:
  47 senior inspectors +35 inspectors
  (60 inspectors in Branch Units, 22 in central office)
ISPECTION STRATEGY -

- GOOD THINGS
  - Interdisciplinary approach
  - Inspectors with different technical knowledge
  - Agreement on co-operation between inspections services in the field of environment

- TO IMPROVE
  - Prioritisation criteria
  - Inspection issue definitions
  - Competences of inspectors – inspection tools
  - SMS inspection approach
  - Reporting system
CAPACITY BUILDING OF SEVESO INSPECTION

TWG 2 (Technical working group 2):

- **2005:** Hag, NL, Annual meeting
  MJV 1: Tisayvarosz; HUN
  MJV 2: Brisel, B; Petroleum storage deopts

- **2006:** Billund, DK – Annual Meeting
  MJV 2: Liverpool, GB,: Refineries
  MJV 2: Hag, NL,: Enforcement

- **2007:** Dubrovnik, HR, Annual meeting
  MJV 1: Plock, PL
  MJV 1: Bukurešt, ROM

- **2008:** Rüdesheim, D, Annual meeting
  MJV 2: Lisabon, P:Human factors
ECENA ACTIVITIES 2008

2008: Bristol, GB

Training: Training for Environmental Inspectors, Permit Writers and EPA Officials. Focused on LCP and SEVESO II Directives, implementation as well as development and maintenance of E-PRTR.

On site visite to SEVESO installation “VOPAC”, Penarth, GB
2007: PARIZ, F

Seminar «Lessons Learnt»

Purpose: experiance and information exchange about “lessons learnt” about industrial accidents and other accidents with severe environmental consequences
Enhanced environmental inspection for enforcement of the new environmental legislation

- Training of trainers
- National training

Study tour to Ireland during “Training of Trainers” PHARE 2005
Thank you for your attention!

Croatian orchid (Hrvatska orhideja)
Dactylorhiza majalis (Kaćunak)