

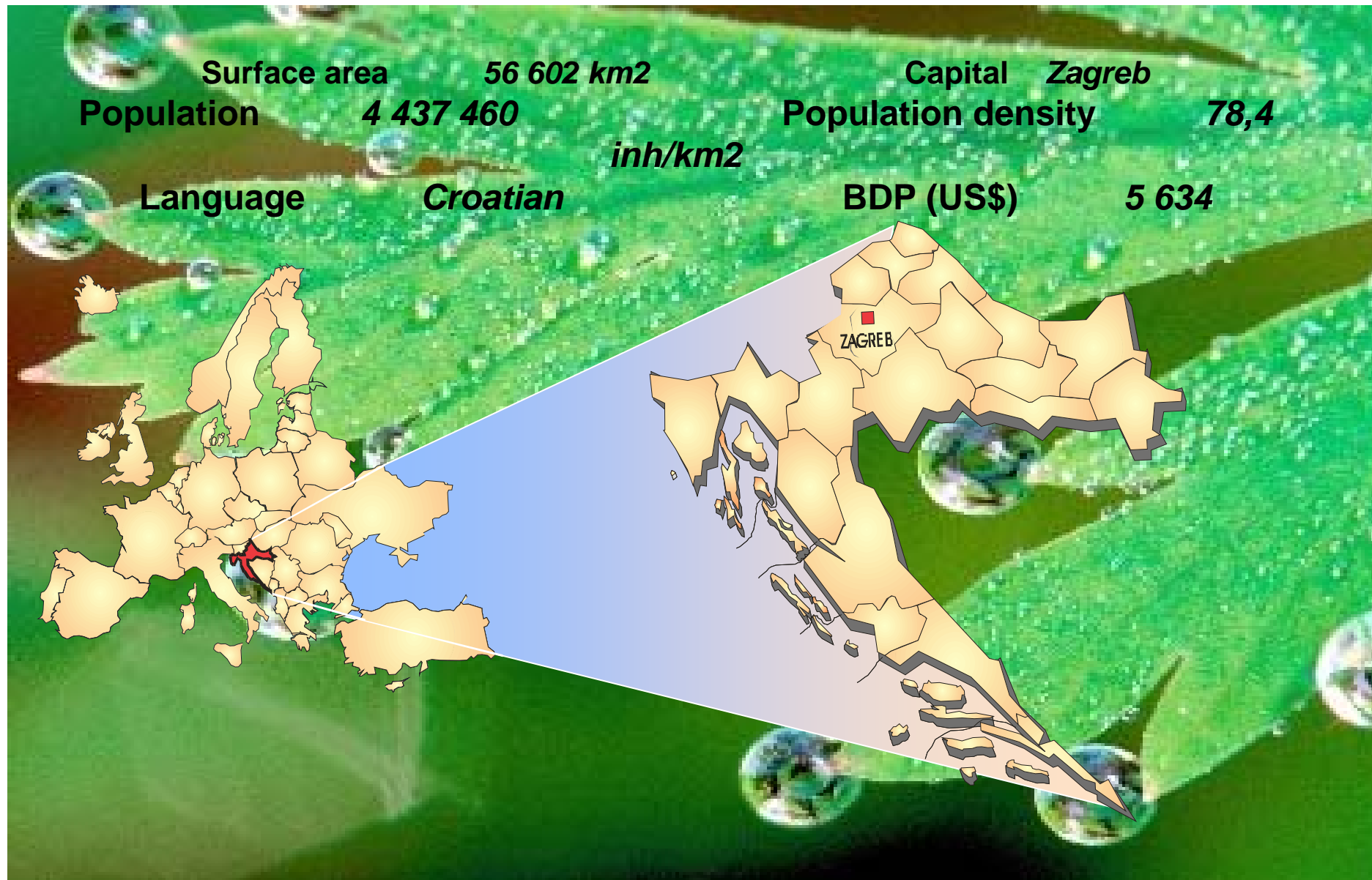
REPUBLIC OF CROATIA
MINISTRY OF ENVIRONMENTAL PROTECTION
PHYSICAL PLANNING AND CONSTRUCTION

Safety reports evaluation and inspections in Croatia

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Convention on the Transboundary Effects of Industrial
Accidents
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Legal harmonization

- The coordination of the environmental legal-harmonization in the European Union is performed by the committee for the negotiation of an EC agreement



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Environmental Protection Emergency Activities

**In Compliance with the Act of
Ratification of Convention on the
Transboundary Effects of
Industrial Accidents (Official
Gazette, IA No. 7/99) and
Directive 96/82/EC (SEVESO II)**



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National Authorities

- Ministry of Environmental Protection Physical Planning and Constructions
 - www.mzopu.hr
- National Protection and Rescue Directorate
 - www.duzs.hr
- Regional and local level



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INDUSTRIAL RISK MANAGEMENT LEGAL FRAMEWORK

**The main national legislation is:
Environmental Protection Act
(Official Gazette No. 110/07)**



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and

- 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 programmers (Official Gazette No. 145/08)
- Regulation on information and participation of the public and public concerned in environmental matters (Official Gazette No. 64/08)



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Related legislation

- Rescue and Protection Act (OG, No. 174/04, 79/07)
- Ordinance on the Methodology for Drafting Risk Assessment and protection and Rescue plans (OG, No. 38/08)
- Ordinance of Mobilization and Engagement of protection and Rescue Operational Forces (OG, No. 40/08)



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Related legislation

- **Water Protection Plan**
- **Fire Protection Act (including fire risk assessment)**
- **Occupational Health and Safety Act (including occupational risk assessment)**
- **Transport of Hazardous Substances Act**



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Environmental Protection Act (OC 110/07

- Obligations of the Operator in Relation to Prevention of Major Accidents
- Exemptions
- Approval of Safety Report (in general)
- Changes in Operation of Installation
- Notification on the Implementation of Safety Measures



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Environmental Protection Act

- Notification in Case of Major Accidents
- Data Exchange for the Purpose of Preventing and Mitigating Domino Effects
- Registry of Installations in which Dangerous Substances are Present



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Regulation on the prevention of major accidents involving dangerous substances (Official Gazette No. 114/2008)

- 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
- Manner of performing inspectional supervision



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Regulation on information and participation of the public and public concerned in environmental matters

(Official Gazette No. 64/2008)

- Public information in the procedure of issuing approval on the Safety Report
- Manner of publishing information
- Mandatory duration of the period for information dissemination



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**Croatian national legislation is fully
complied with Seveso II Directive.**



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Croatian Environmental Agency

- Croatian Environment Agency is responsible for establishment, development, maintenance and coordination of a REGISTER of installations with dangerous substances for Croatia
- www.azo.hr



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Seveso Companies

- Main Seveso activities:
 - petrochemical industry, fertilizer plants, LPG storage, petroleum products storage and distribution, pharmaceutical industries and other storage of dangerous substances



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Safety analysis and safety report

- The operator of the lower tier hazardous establishment shall prepare a safety analysis.
- The operator of the upper tier hazardous establishment shall prepare a safety report.
- The operator shall review the safety report and safety analysis – following the acceptance by the authority - at least every five years, and where necessary modify.



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Safety Report

In the safety report and safety analysis the operator shall demonstrate that his major-accident involving dangerous substances prevention policy and the response to the consequences of such accidents, and the equipment and management system of the establishment ensuring the high level of protection of human health and the environment



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- The safety reports shall also contain an internal emergency plan for response measures to be taken inside establishments and it usually contains the necessary information that has to be supplied to the local authorities to enable them to draw up External Emergency Plans.



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Approval of the Safety Report

- A legal person authorised for performing professional environmental protection activities may perform activities related to developing safety reports
- Audit of projects may be performed by a legal person (AUDITOR) which has obtained authorisation for the performance




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Approval of the Safety Report

- In the procedure for issuing approval of the Safety Report the Minister may, depending on the specific techniques applied in the operation of the installation to which the Report refers, authorize an auditor
- The approval will be issued for a period of five years from the day of issuance.



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In line with Guidance on the preparation of a Safety Report to meet the requirements of Seveso II Croatian Center for Cleaner Production prepared *Methodology for implementation of activities regarding Seveso II Directive*

www.mzopu.hr



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- 
- Planned inspection controls –
 - Inspection work plan – implementation of regulations and compliance with measures from prescribed documents, environmental impact studies, remediation programmes etc.
 - Co-ordinated inspection control pursuant to the Agreement on co-operation between inspection services in the field of environment



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SEVESO INSPECTION IN CROATIA

Agreement on co-operation between inspection services in the field of environment, 5. Jun 2008

Coordinated inspection controls of installations involving hazardous substances which may cause major accidents

Annual plan, submitted report on coordinated inspection available on web
www.mzopu.hr



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RELATED COMPETENT INSPECTIONS

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



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(EP) INSPECTORS' 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, 20 in central office)



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Enforcement of Safety reports

Coordination and cooperation
Inspections tools-on site inspection
Reporting in the anual report
Annual plan, submitted report on co-
ordinated inspection available on
web

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REGISTER OF INSTALLATIONS WITH DANGEROUS SUBSTANCES

- The Croatian Government made Croatian Environment Agency responsible for creation of a REGISTER of installations with DS for Croatia
- **82 operators on 186 locations of installations** (preliminary list from emergency plans)
- **18 operators on 45 locations (final report for 2009 year)**



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- **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



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Challenges and shortcomings

- **Strengthening administrative capacity**
- **Lack of experience regarding evaluation of safety report (SR)**
- **Improvement of cooperation and coordination among different authorities**



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The way forward

- **ONGOING PROJECT: IPA 2007 “Chemical Safety**
 - Twinning Project and Technical Assistance— Strengthening Legal Framework of Institutional Infrastructure for Protection from Dangerous Chemicals”
- **G2G PROJECT :**
 - Bilateral cooperation – DCMR Environmental Protection Agency (Netherland)
- **Education, workshops, consultation among all stakeholders**



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**Thanks for your
attention!**



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