



22 et 23 mai 2019 / 22 and 23 May 2019 / Rennes

13^e SÉMINAIRE
RETOUR D'EXPÉRIENCE
sur ACCIDENTS INDUSTRIELS

13th SEMINAR
LESSONS LEARNT from
INDUSTRIAL ACCIDENTS



MINISTÈRE
 DE LA TRANSITION
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The European inspectorate systems

Inspectorate systems from Italy

Eng. Fausta DELLI QUADRI, Eng. Geneve FARABEGOLI

ISPRA - Italian National Institute for Environmental Protection and Research

Service for Risks and Environmental Sustainability of Technologies, Chemical Substances, Production Processes and Water Services and for Inspections



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Seveso III Directive – main improvements adopted through D.Lgs 105/15

1. «Technical» improvements to **simplify the procedure and reduce the administrative obligations** of the companies

 - Regulations compacted in the D.Lgs. 105/15 (17 Annexes)
 - reduction Seveso enforcement: no under-tier plants, no commercial / oil / industrial ports
 - **new unified format of Notification**: Annex 5 D.Lgs. 105/15, includes 12 Sections + annexes (SDS, planimetry and vectorial files...)
 - from 1^o June 2016: Notifications must be sent only by web **ISPRA application SEVESO III.0**, with automatic sorting to 5 P.A.
 - **help-desk service from ISPRA, guidelines, FAQ, documents, etc.**
 - **Seveso-IED inspections: cooperation and coordination**
2. **Inspections system reinforcement** by introducing new and more strict measures

 - decentralization of planning/execution of inspections: CTR for upper-tier inspections, Regions for lower-tier inspections
 - for upper-tier plants: National plan Interior Ministry (C.A.) – ISPRA, for lower-tier plants: Regional plans
4. Reinforcement of **public access** to information, decision-making and justice (Aarhus Convention)

 - Municipalities: make public **at least the informative sections A1, D, F, H, L of the Annex 5 D.Lgs. 105/15 (Notification)**, in electronic format and by **publication in own web site** - Important role to guarantee public consultation and participation in decision maker
 - CTR need to make available SR of the upper-tier plants



National Decree – main innovations (compared to Seveso Directive)

NOTIFICATIONS

- **new unified format** (Annex 5 D.Lgs. 105/15) containing many establishment information to provide a complete scheme of the plant (includes 12 Sections + annexes SDS, planimetry and vectorial files...) to be sent only by web **ISPRA application SEVESO III.0**, with the support of **help-desk service** from ISPRA, **guidelines, FAQ, documents**, etc
- **New preliminary analysis** by ISPRA (mini-inspection)

MAPPD: (major-accident prevention policy document): more complete and elaborated document containing: MAPP, SMS framework + link to SMS procedures, SMS implementation – improvement Plan (Identity Card of establishment)

LUP: Since 2001, LUP control (DM 9 may 2001), constant and continuous attention (Art. 22 D.Lgs. 105/15)

EEP: provided for **upper-tier and lower-tier** establishments, for the measures to be taken outside the establishments

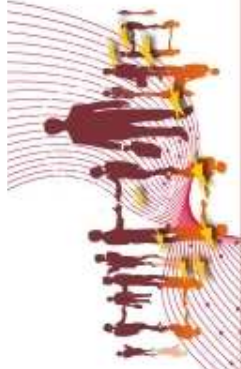
SMS Inspections

- Planning and execution criteria definition
- **Seveso-IED inspections: cooperation and coordination**

DOMINO EFFECTS: criteria of identification for all lower-tier and upper-tier establishments or groups of them with possible domino effects and for information exchange among operators

SR: writing and analysis criteria definition





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D.Lgs. 105/15 – Actors and their role

Drafting of texts, transposition of Directives,
National Competent Authority for regulatory
coordination and monitoring, information exchange
with EC – no more CA for the upper-tier plants
inspections



Ministry for Environment,
Land and Sea (IMELS)

National control actions, Competent Authority for
the upper-tier plants inspections and SR analysis



Ministry of Interior (CNVVF)
– CTR

Regional and local control actions, Local Competent
Authorities for the lower-tier plants inspections



Regions and Local
Environmental Agencies
(ARPA/APPA)

Local Competent Authorities for providing External
Emergency Plans



Prefects

Local C.A. for Land use Planning control, and for
public information – consultation – participation



Municipalities



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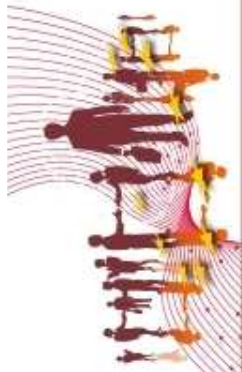


D.Lgs. 105/15 – Actors and their role

National Institute for Environmental Protection and Research (ISPRA)

- Technical support to the Ministry for Environment, Land and Sea (IMELS)
- Technical analysis procedure, together with other technical bodies (INAIL, CNVVF, ISS, ...) to exclude particular dangerous substance from the scope of Seveso Directive
- Manage and up-date the SEVESO III database (national database of notifications and information - Italian Seveso establishments); notifications analysis
- Collaboration with Ministry of Interior (C.A. inspections) to provide national inspections plan for upper-tier plants, and with Ministry of Interior and Regions to coordinate-harmonize all the inspections plans
- Member and Technical Secretary of 'national coordinating worktable': established by IMELS, together with other Authorities and technical bodies, to guarantee homogeneous implementation of D.Lgs. 105/15 all over the country; activities:
 - GuideLines elaboration: Ageing of Equipment GuideLine (published in April 2018), SR evaluation for NG underground storages Guideline (completed and under publication), EEP Guideline (completed and under publication)
 - Questions analysis for the Seveso III implementation
 - Regulations up-date





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SEVESO – upper tier Installations: 540 (2016)

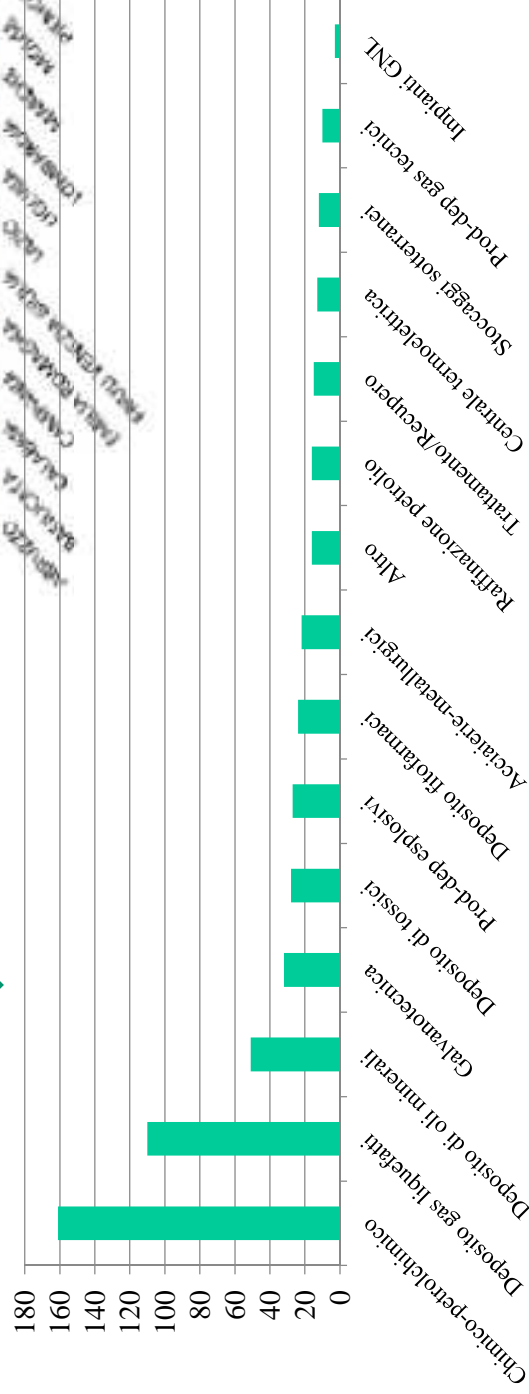
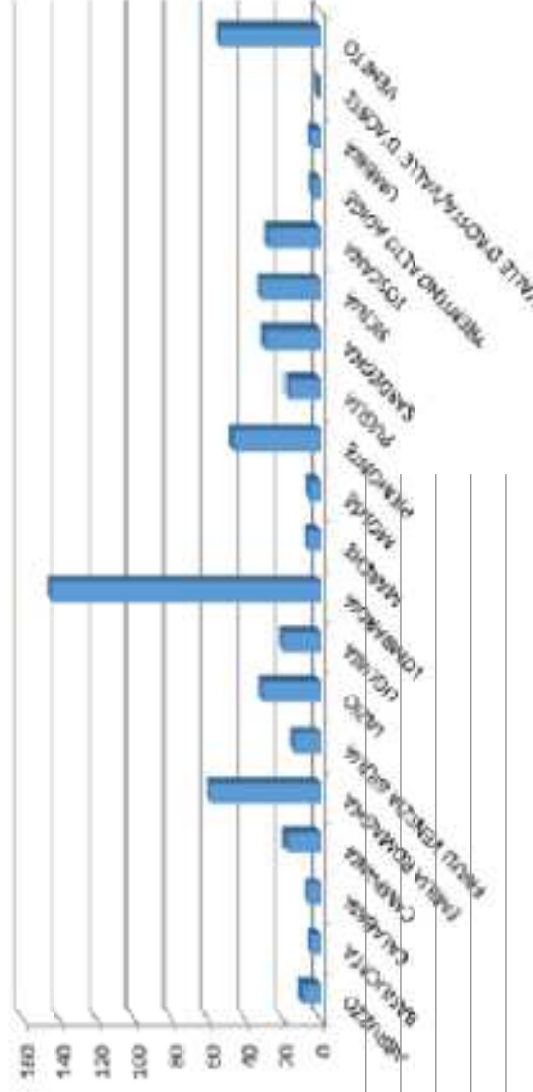
Regional upper-tier
installations distribution



Activities upper-tier
installations distribution



Totale per regione



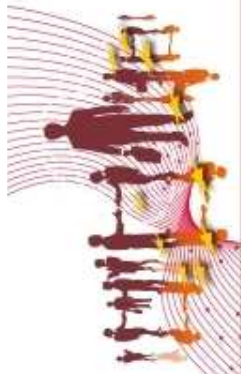
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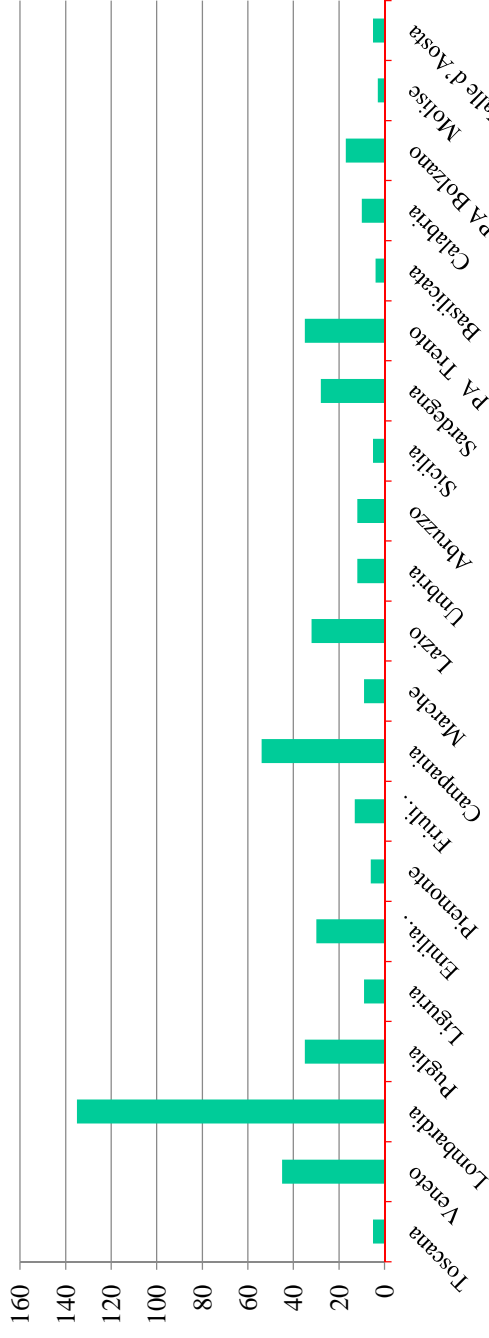
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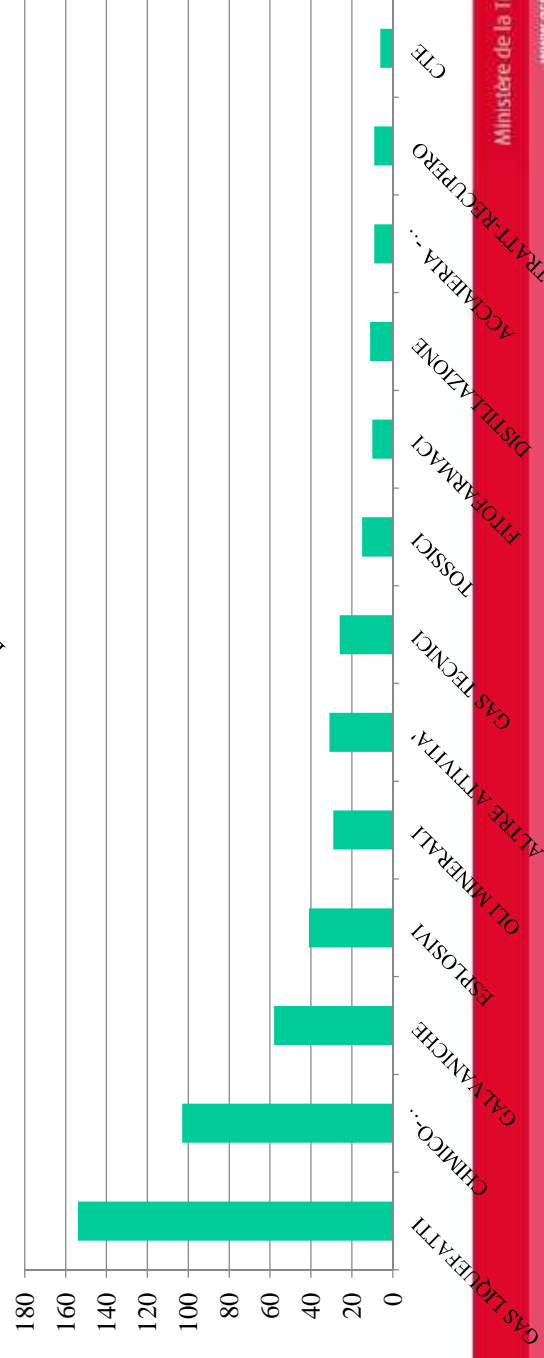
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SEVESO – lower tier Installations: 513 (2016)

Regional lower-tier
installations
distribution



Activities lower-tier
installations
distribution



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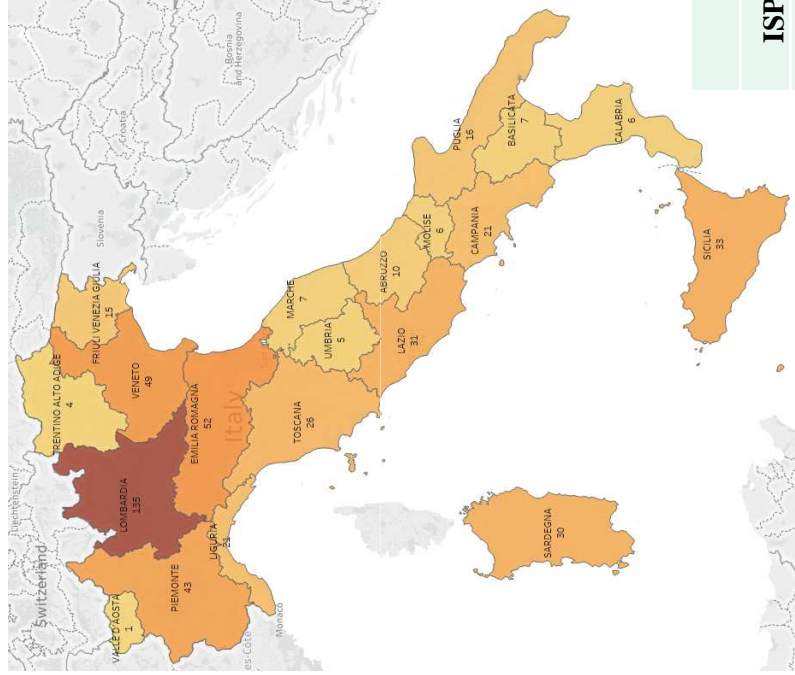
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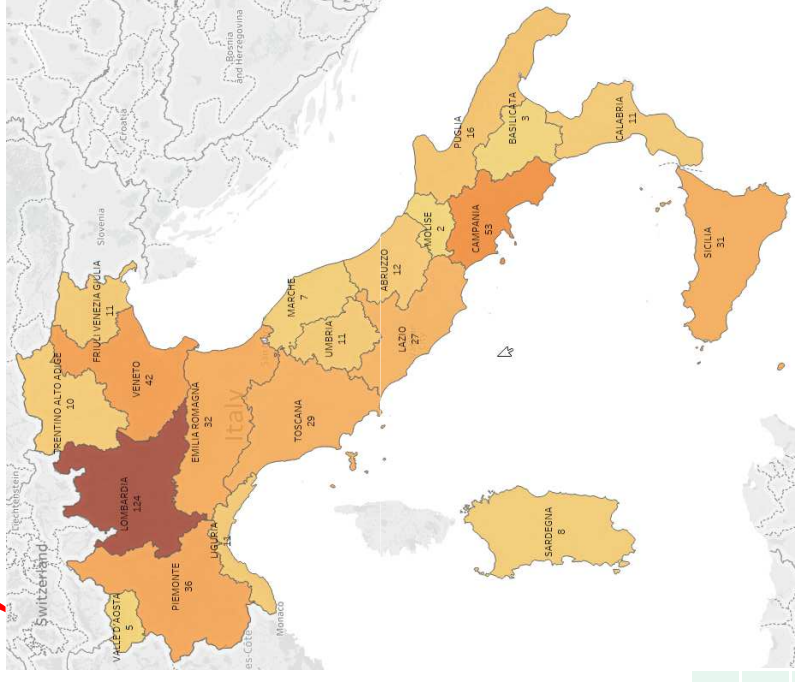
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Seveso installations (2016)

upper-
tier



lower-
tier



	INSPECTORS
ISPRA	7
ARPA	100
CNVVF	100
INAIL	60

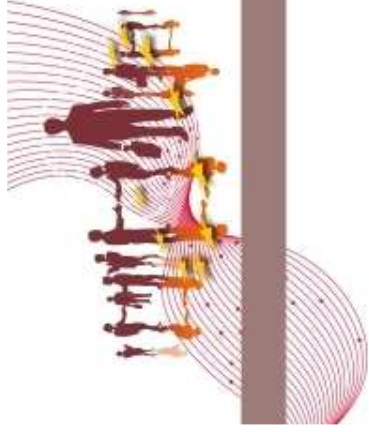


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SEVESO – IED

common points and importance of collaboration

- Around 7000 SEVESO – IED installations (1053 Seveso + 6140 IED): around 35% Seveso installations are also under national IED
 - Seveso upper-tier (540) >> IED national Installations (148)
 - Seveso lower-tier (513) << IED regional Installations (5992)

➔ control guarantee for many installations uncovered by Seveso or IED
- Focus and aim: the protection of Environment
 - IED: during normal working of the installation: emission control into different environmental component (air, water, underground, ...) by adopting the Best Available Techniques (BAT)
 - Seveso: risks prevention and protection in accidental situations: control of major-accident hazards involving dangerous substances, by adopting Safety Management System (SMS)



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SEVESO – IED

common points and importance of collaboration

- Accidents, releases control by the same Authority (IMELS-ISPRA):
 - IED: source of information (operators are obliged to inform ISPRA) in case of accidents, loss of containment to the environment, potential precursors for major-accident. Technical analysis and attention to diffused and fugitive releases.
 - Seveso: major-accidents and accidents control; difficulty to collect information. Management factors analysis (root causes analysis).
 - Inspections:
 - IED: puntual check of the prescriptions written in the Permit
 - Seveso: SMS inspections according to specific and detailed procedure (ex. Annex H D.Lgs. 105/15)
- ➔ but common points to analyze: equipments/systems maintenance, accidents control, operative control, etc...





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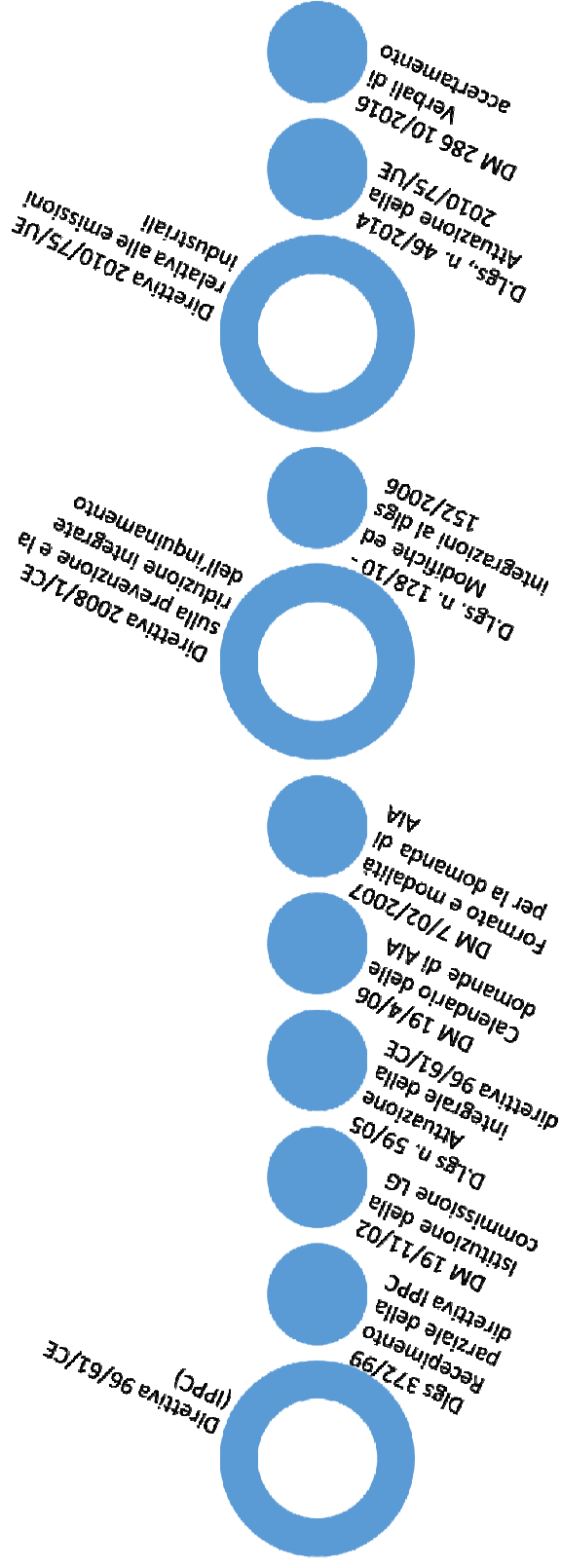
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Overview of Legislative and Regulatory Framework for IED Implementation

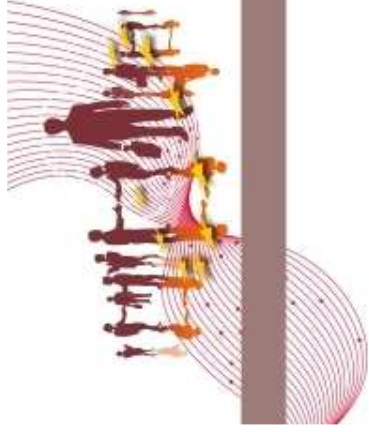


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Actors and their role

- Drafting of texts, transposition of directives, programs, Competent Authority  Minister for Environment, Land and Sea (IMELS)
- National control actions, technical and scientific support to the IMELS  National Institute for Environmental Protection and Research (ISPRA)
- Regional and local control actions  Regional and Local Environmental Agencies (ARPA/APPA)
- Decision-making authorities  IMELS



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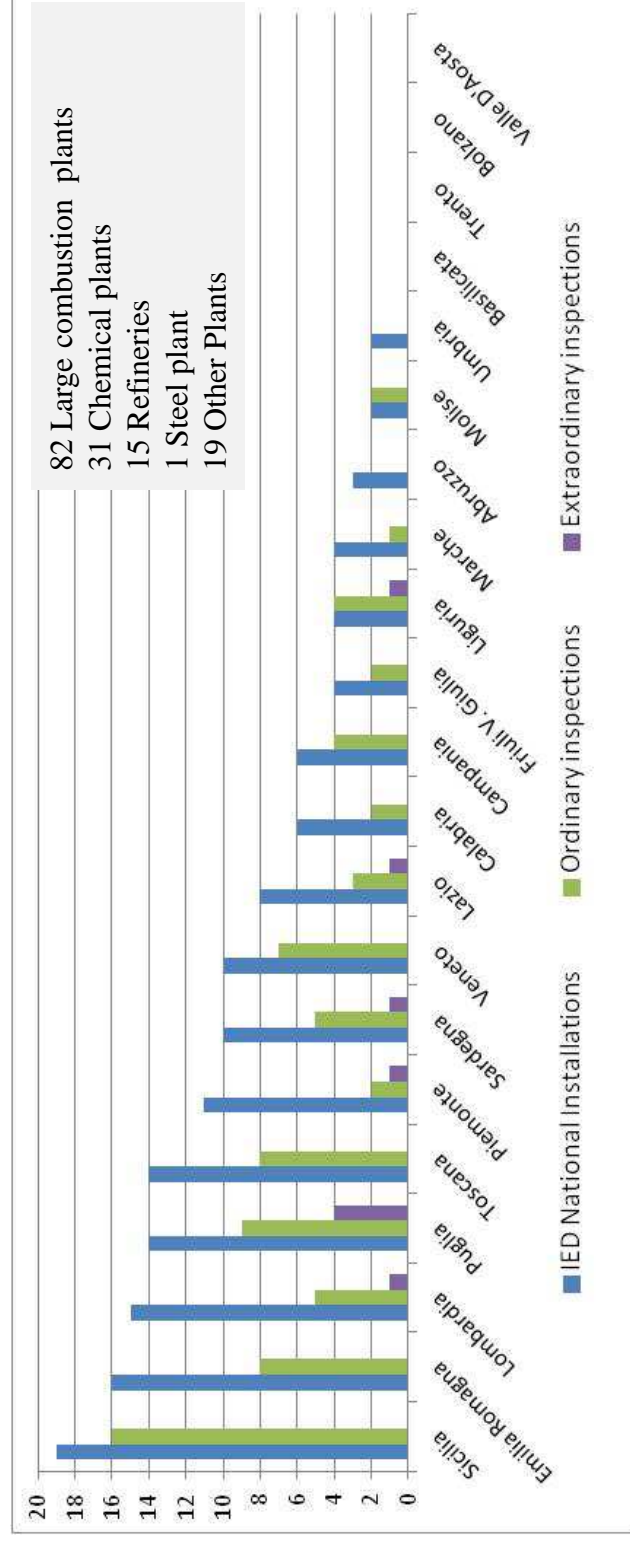
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IED National Installations (year 2016)

- 148 IED National Installations



Around 60% of statal IED installations inspected



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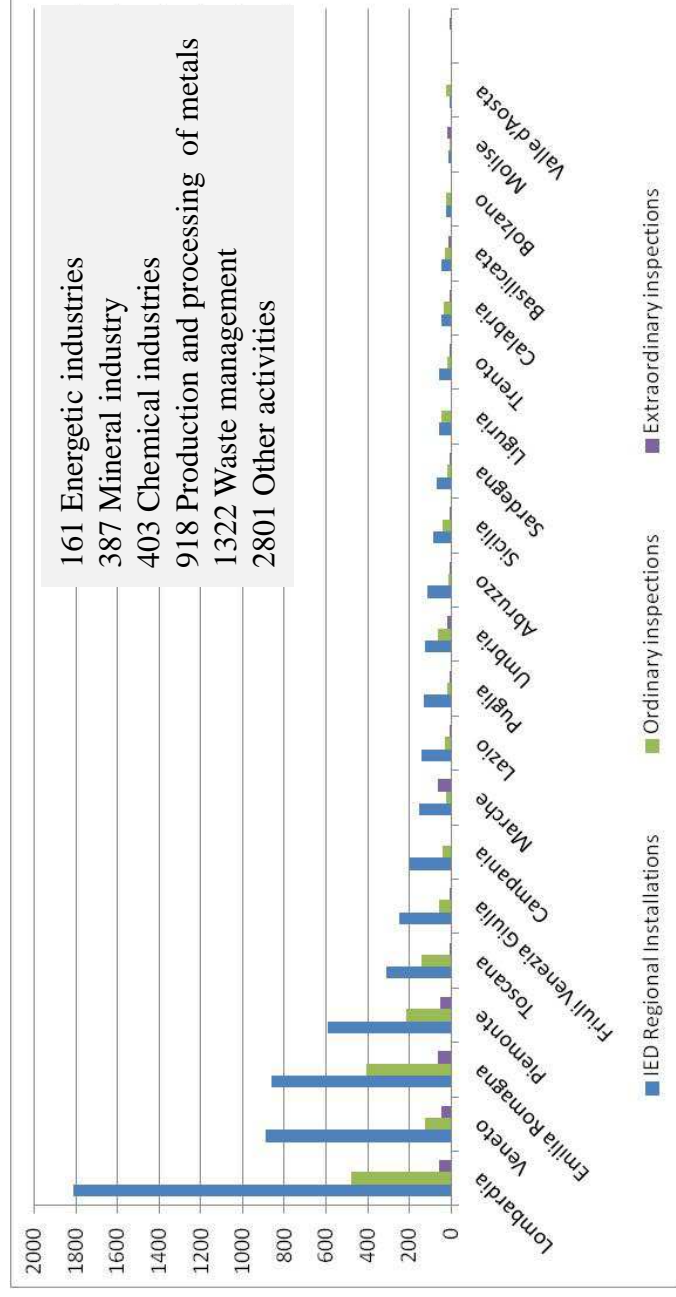
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IED Regional Installations (year 2016)

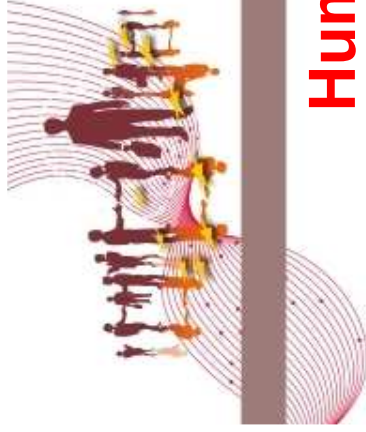
- 5992 IED Regional and local Installations



Around 30% of regional IED installations inspected



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Human Resources for inspection activities (year 2016)

ROLES	HUMAN RESOURCES	
	NATIONAL IED	REGIONAL IED
INSPECTORS	16	718
SAMPLING OPERATORS	ND	250
LABORATORY OPERATORS	ND	113
ADMINISTRATIVE SUPPORT OPERATORS	8	39
TOTAL	24	1120



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