



AGÊNCIA
PORTUGUESA
DO AMBIENTE

Siting and land-use planning to enhance resilience for disasters

Portugal Approach

*Joint ECE/OECD seminar on fostering
implementation of the 2030 Agenda for Sustainable
Development and the Sendai Framework for Disaster Risk
Reduction 2015–2030, CoP 9, 28th november 2016*



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Siting and land-use planning

- Legal Framework
- Portuguese approach
- Conclusions



Siting and land-use planning

- **Legal Framework:**

- National legal framework regarding major accidents prevention and emergency response: Transposition of a EU Directive (Seveso Directive)
- Seveso Directive: Fulfillment of EU obligations under the international agreements in this area, namely the Convention of transboundary effects of industrial accidents (TEIA Convention)



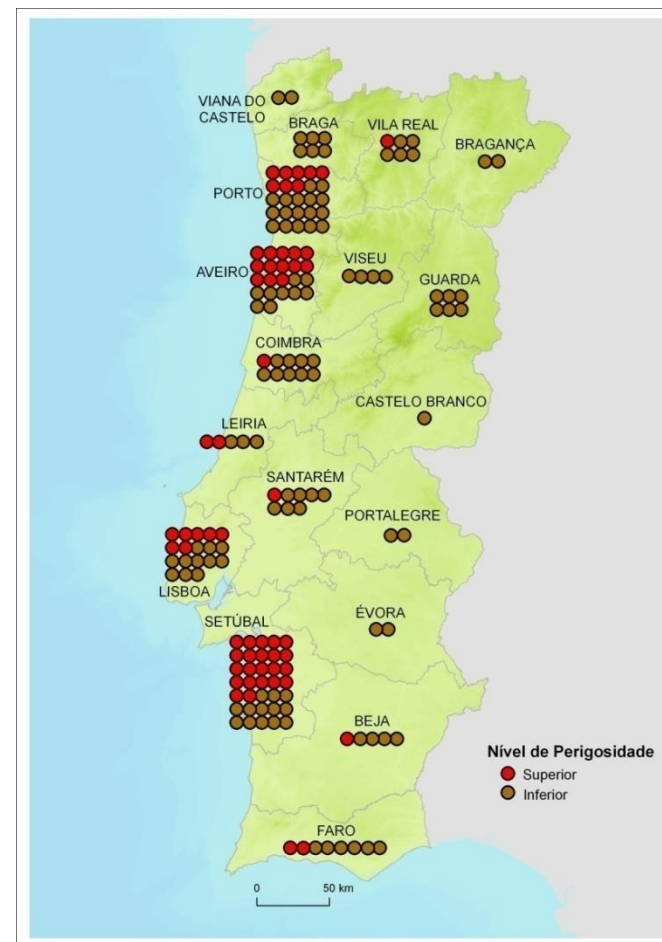
Siting and land-use planning

■ Scope:

Seveso establishments (Aug2016)

- 135 lower tier
- 62 upper tier

No hazardous activities identified
under TEIA Convention



Siting and land-use planning

- **Siting and land use planning:**
- *Ensure that the objectives of preventing major accidents and limiting the consequences of such accidents for human health and the environment are taken into account in land-use policies or other relevant policies.*
- *Consideration of the siting of new establishments/hazardous activities, modifications of existing ones and new developments in the vicinity of establishments*



Licensing procedures
Land use planning
Environmental and safety regulations



*Technical advice
on risk*

- **Siting and land use planning:**
 - **Siting of new establishments/modifications: compatibility assessment**
 - When a project is subject to an environmental impact assessment procedure : compatibility assessment integrated in EIA
 - Otherwise: compatibility assessment
 - Methodology: semi-quantitative approach (selection of scenarios on the basis of their frequency; consequence assessment)

Siting and land-use planning

- **Siting and land use planning:**
 - **Control of new developments in the vicinity of establishments/hazardous activities:**
 - **Hazardous zones mapping (ongoing process) > integration in land use plans, municipal licensing**
 - **Land use planning system: consultation of the safety authorities**
 - **Advice on plans**



- **Siting and land use planning:**
 - **Control of new developments in the vicinity of establishments/hazardous activities:**
 - **Land use planning system: consultation of the safety authorities**
 - **Consultation under Strategic Environmental Assessment procedure (areas where establishments/activities are located)**
 - **Guidance on the integration of major accidents prevention in the SEA of municipal land use plans: Recommendations related to the scope, definition of objectives, criteria and measures to minimize the risk**

Siting and land-use planning

- **Conclusions:**
- **Integrated approach:**
 - Sustainable and coherent decision
 - Synergies between procedures
 - Avoid duplication
- **Challenges:**
 - Hazard zone mapping
 - Complexity of land use planning system
 - Regulation pending approval (clarification on criteria, table of fixed distances)



Thanks for your attention!



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