

## STRATEGIES FOR EMERGENCY PLANNING AND LAND USE PLANNING FOR SEVESO SITES

### Case studies and exchanges of bilateral experience Italy/Europe

*Siracusa (Italy), 1-2-3 October 2025*

#### Information

As part of a collaboration agreement on Seveso activities that ISPRA (Italian National Institute for Environmental Protection and Research) has with the Italian Ministry of Environment, an activity of organizing events for the exchange of bilateral experiences between member countries is planned. The first event will be related to "Integrated Safety Studies for Seveso establishments". It will address several topics, such as assessing the domino effect in areas with a high concentration of industrial establishments, along with the related issues of external emergency planning and urban and regional planning, starting with the consideration of the data and information contained in the notification form, and also to exchange experiences with all the interested administrations.

It will involve multiple Member States (Belgium, Finland, Italy, Sweden), making it a multilateral event, with the local (Regional Environmental Protection Agency - ARPA, Regional Fire Brigade, Port Authority, Prefecture, and interested municipalities) and national (Italian National Institute for Environmental Protection and Research - ISPRA, Ministry of Environment - MASE, National Fire Brigade - CNVVF, National Institute for Insurance against Accidents at Work – INAIL), administrations involved.

#### Program and topics of the sessions

##### **Day 1 – 01/10/2025 – Morning**

9.00 – 9.30 **Registration**

9.30 – 10.30 **Initial greetings and Introduction**

- Welcome address from the President of the Plemmirio Marine Protected Area (P. Maiorca)
- Ministry of Environment (G. Nocco), Prefecture of Siracusa, Sicilia Region (F. Macaluso), Regional Fire Brigade (D. Burgio), Port Authority of Siracusa and Augusta, Province of Syracuse, Municipalities of Augusta-Priolo-Melilli-Siracusa (AERCA), Italian National Institute for Environmental Protection and Research (V. Frittelloni, ISPRA), Regional Environmental Protection Agency of Sicily (V. Infantino, ARPA)

10.30 – 11.15 **Coffee break**

11.15 – 13.30 **Methodological approaches to area risk assessment and case studies (Moderator: E. Floridi, MASE)**

1. The regulatory context: the role of integrated area risk studies in the implementation of the Seveso III Directive. Analysis of the reference regulatory framework with focus on Annex E to Legislative Decree 105/2015 (Italian implementation of the Seveso directive).  
R. Marrazzo (ISPRA)
2. Integrated risk assessment methodologies in areas with a high concentration of industrial plants. Tools and approaches to analyze integrated risk between multiple nearby plants.  
V. Bartolozzi (Regional Environmental Protection Agency of Sicilia); F. Astorri (ISPRA)
3. Domino effects and risk management in industrial areas. Case studies and mitigation strategies to reduce the risk of domino effects between plants  
Operators of the Area (F. Nicolosi, ISAB), Consultants (M. Giovani, ICARO)
4. The Priolo-Melilli-Augusta hub (Industrial area of Siracusa): update work on the integrated area risks study. Presentation of the first evidence and critical issues that emerged in the local context.  
V. Bartolozzi (Regional Environmental Protection Agency of Sicilia); F. Caruso (Regional Fire Brigade of Sicilia)

5. European Experiences in Domino evaluation and area risk studies for Seveso Establishments. Examples of regulations and good practices adopted in other EU countries  
Mark Schaerlaekens, Department of Spatial and Environmental Development, Belgium

13.45 – 15.00 **Light Lunch**

**Day 1 – 01/10/2025 - Afternoon**

15.00 – 17.30 **External Area Emergency Planning and New Warning Tools (Moderator: F. Astorri, ISPRA)**

6. The new Civil Protection Guidelines for the management of industrial emergencies. In-depth analysis of the latest guidelines for emergency planning at the local and national levels.

F. Geri, DPC

7. IT-Alert and innovative tools for emergency communication. How new technologies can improve the effectiveness of the response in the event of a major accident.

S. Sgroi, Prefecture of Siracusa

16.00 – 16.30 **Coffee break**

8. Role of institutions in highly concentrated industrial areas. Cooperation in the prevention and management of accidents

D. Burgio (Regional Fire Brigade of Sicilia); D. Maisano (Local Fire Brigade Siracusa)

9. The emergency response and the coordination between IEP and EEP: evaluation and control during the Seveso Inspections

R. Marrazzo, ISPRA

**Day 2 – 02/10/2025 - Morning**

9.30 – 13.30 **Land-Use Planning and the Future of Regulation (Moderator: F. Delli Quadri, ISPRA)**

10. The tools for the municipalities for the LUP. Data and information taken from the notification form and activities for the population.

F. Astorri (ISPRA)

11. Significant issues emerged for the municipalities of the industrial hub of AERCA Siracusa. Possible solutions for the prevention of industrial risks

G. Giandolfo (Municipality of Priolo G.)

10.30 – 11.30 **Coffee break**

12. Proposals for regulatory revision for more effective management of the territory. The Ministerial Decree of 9 May 2001 (Italian decree on LUP) and elements for updating in light of new safety requirements.

R. Marrazzo (ISPRA)

13. European Experiences in Land-Use Planning for Seveso Establishments. Examples of regulations and good practices adopted in Finland.

Heinimaa Tanja (Tukes, Finland)

14. European Experiences in Land-Use Planning for Seveso Establishments. Examples of regulations and good practices adopted in Sweden.

Mikael C Larsson (County Administrative Board of Norrbotten, Sweden)

13.15 – 15.00 **Light Lunch**

**Day 2 – 02/10/2025 - Afternoon**

15.00 – 17.30 **Round Table: Future Perspectives and Challenges for Integrated Safety (R. Marrazzo, ISPRA; V. Bartolozzi, ARPA)**

- Greetings from the President of ISPRA (S. Laporta)
  - Contribution from the Director of the Plemmirio Marine Protected Area (S. Cartarrasa)
15. Towards a greater integration between safety assessment outcomes and territorial planning: possible synergies between the different levels of governance.
  16. New models for area risk assessment. Smart solutions for monitoring and risk management.

**16.00 – 16.30 Coffee break**

17. Strategies to strengthen collaboration between industry, local authorities and citizens. How to improve stakeholder dialogue for more effective safety management.
18. Integrated territorial planning and development prospects of national and European legislation.

MASE (E. Floridi), INAIL (F. Giacobbe/C. Percolla), Civil Protection (F. Geri), Prefecture of Siracusa, Regional Fire Brigade (D. Burgio; F. Caruso), Municipalities of Augusta-Priolo-Melilli-Siracusa (AERCA), Operators of the Area (F. Nicolosi, ISAB; A. Grasso, SONATRACH), Finland and Sweden (LUP), Belgium (domino and Risk Area)

**Day 3 – 03/10/2025 - Technical Visit**

Visit to an industrial establishment in the Priolo-Melilli-Augusta hub, with a focus on the safety and risk management measures implemented

Industry Association; Operators of the Area

9.15: rendez-vous at Sant'Antonio Pier car park (Ortigia Parking – Via del Porto Grande - SR)

9:30: departure for Confindustria Siracusa Headquarters

10:00: arrival at the Confindustria Siracusa Headquarters (Viale Scala Greca, 282 – SR)

10:10: **Welcome coffee**

10:30: short presentations by ISAB and Sonatrach

11:15: departure for ISAB Impianti Sud

11:30: arrival at ISAB Impianti Sud

11:45: departure for ISAB Impianti Sud and tour of the refinery (stop in the Plant Control Room and brief explanation of the refining process)

12:15: departure for Confindustria Siracusa Headquarters

12:30: arrival at Confindustria Siracusa Headquarters – **Light lunch**

13:30: departure for Sant'Antonio Pier car park (Ortigia Parking – Via del Porto Grande - SR)