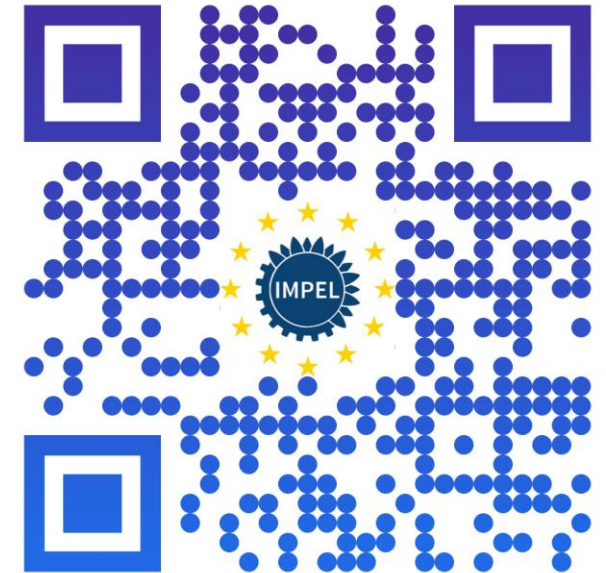


The 2025-2027 work program of the European Network for the Implementation and Enforcement of Environmental Law (IMPEL) and possible synergies with the EIONET network

Marco Falconi – IMPEL Chair

impel.eu



Projects 2025-2027 in Industry and Air

- Intensive Rearing of Poultry and Pigs (IRPP)
- Joint inspections & assessment of enforcement actions in IED installations
- IED & Circular economy (CE)
- Waste Incineration BAT Conclusions
- Best Available Techniques and Derogations from BAT
- Mining Industry and Historical Wastes
- Lessons Learnt from Industrial Accidents
- New Energy Sources in Steel Production
- Hydrogen production, storage and transportation





Hydrogen production, storage and transportation



Why this project is needed

- As hydrogen's role in decarbonization grows, its risks and regulatory standards must be better understood.
- This project aims to **enhance regulatory practices** and **safety measures throughout the hydrogen lifecycle**, encompassing production, transportation, and storage.

Activities, outcomes and deliverables

- Technical advice to colleagues for problems related to the regulation of hydrogen production
- Examples of regulation from IMPEL members
- Recognize a lack or a gap in EU regulations.
- Good practices report on the lessons learned during the joint inspections
- Report on new installation



**How green is
the green energy?**

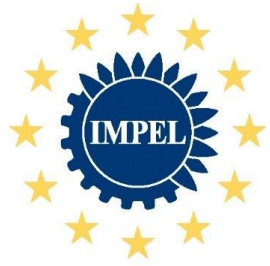
Projects 2025-2027 in Waste and TFS

- Waste recycling Risk Based Inspection Plan Phase II
- Applying EU waste legislation to circular business models
- WEEE Article 17 Freeriders Project
- Enforcement Actions on waste shipments (follow-up SWEAP)
- Waste & TFS Annual Conferenc2022(V)
- Knowledge Exchange Programme WMCE
- The use of Artificial Intelligence in waste
- Plastic End of Waste
- Textiles & Strategic End of Waste Fluxes
- Organic waste treatment- management and possibilities
- Plastic Waste Shipments





Textiles & Strategic End of Waste Fluxes



Why this project is needed

- The Circular Economy Action Plan (CEAP) and the EU Strategy for Sustainable and Circular Textiles ('Textiles Strategy'). The project wants to focus on further specific and emerging waste streams like **batteries, solar panels, C&D waste ecc**).

Aims and deliverables of this project are:

- to assist IMPEL members in assessing textiles waste status by mapping textile waste prevention and recycling approaches and technologies across the EU, including **separate collection systems and Extended Producer Responsibility (EPR) mechanisms** and developing comprehensive guidance;
- to focus on strategic waste streams (e.g. batteries, C&D, solar panels) other than plastic and textiles and **gather the End-of-Waste (EoW) criteria** set in the different Member States
- Promoting joint inspections with TFS and REACH inspectors



EoW yes, what's more sustainable? Let's share the correct criteria!

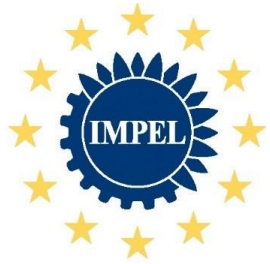
Projects 2025-2027 in Water and Land

- Tackling Illegal Groundwater Drilling and Abstractions (TIGDA) - phase 3
- Nitrate and Groundwater – best practices to limit pollution
- Land spreading and Treatment of Sludge
- Water and Land Remediation
- Water Risk Assessment Project (WRAP)
- Self-Monitoring in Water Permits (SMWP)
- Monitoring Macroplastic in EU Rivers (MoMaRi)
- Stop Irregular Landfills
- Soil health And EcosysTem SErvices (STATE)





Soil health And EcosysTem SErvices (STATE)



European Union Network for the Implementation and Enforcement of Environmental Law

Why this project is needed

There is currently a lack of comprehensive and harmonized data on soil health from soil monitoring. Thus, there is a proposal for a Directive on Soil Monitoring and Resilience (Soil Monitoring Law), which has the objective of putting in place a solid and coherent soil monitoring framework for all soils across the EU.

The aim

Providing guidance on **improving harmonization of soil monitoring systems**;

Sharing best practices to improve soil health and maintain soil-related ecosystem services for sustainable soil management across the EU.

The outcomes

Guidance documents on improving harmonization, best practices for soil sustainable management, comprehending the evaluation on ecosystem services



Monitoring different soils and different ecosystem services is challenging!

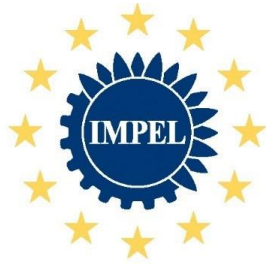
Projects 2025-2027 in Nature Protection

- Invasive Alien Species and NIRAM
- EU Action Plan Wildlife Trafficking
- Implementation of the Bird and Habitat Directives at European Aerodromes
- Joint of Networks for Wild Fungi (JoNeF)





Invasive Alien Species and NIRAM



European Union Network for
the Implementation and Enforcement
of Environmental Law

Why this project is needed

- IAS are a major threat to native plants and animals in Europe and are one of the five major causes of biodiversity loss
- Economic impact of IAS in the EU was estimated at around EUR 12 billion per year

The outcomes

IAS

- Checklist-tool for planning, carrying out and ensure the desired result of eradication/combating measures
- List of awareness raising methods that have proven results
- Systematic approaches for planning and carrying out inspections with focus on IAS



Invasive alien species, an underestimated problem for existing species

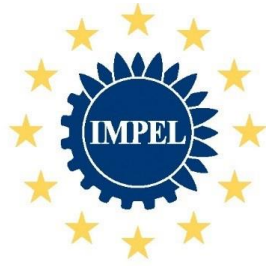
Projects 2025-2027 in Cross Cutting

- Knowledge and Information Programme (KIP)
- IMPEL Review Initiative (IRI)
- National Peer Review Initiatives (NPRI)
- Criteria for the Assessment of the Environmental Damage (CAED)
- Geospatial Intelligence for Environmental Damage Assessment (GIEDA)
- Implementation Challenges
- Environmental Emergencies project
- Compliance Assurance including ECD
- Zero pollution action plan (ZPAP) - Enforcing Zero Pollution together
- Artificial Intelligence and Environment Protection (ARTIC)





Artificial Intelligence and Environment Protection (ARTIC)



European Union Network for the Implementation and Enforcement of Environmental Law

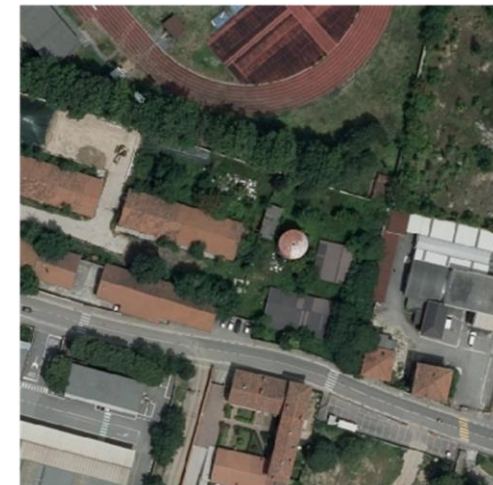
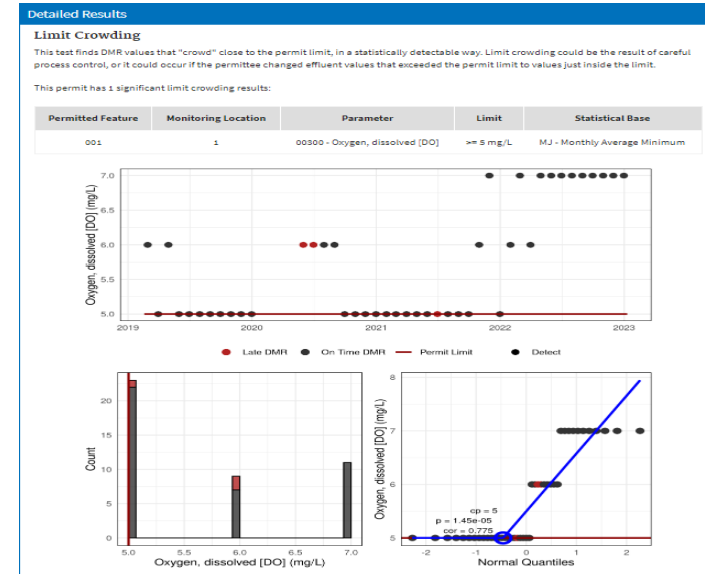
We can't do the same as we have ever done

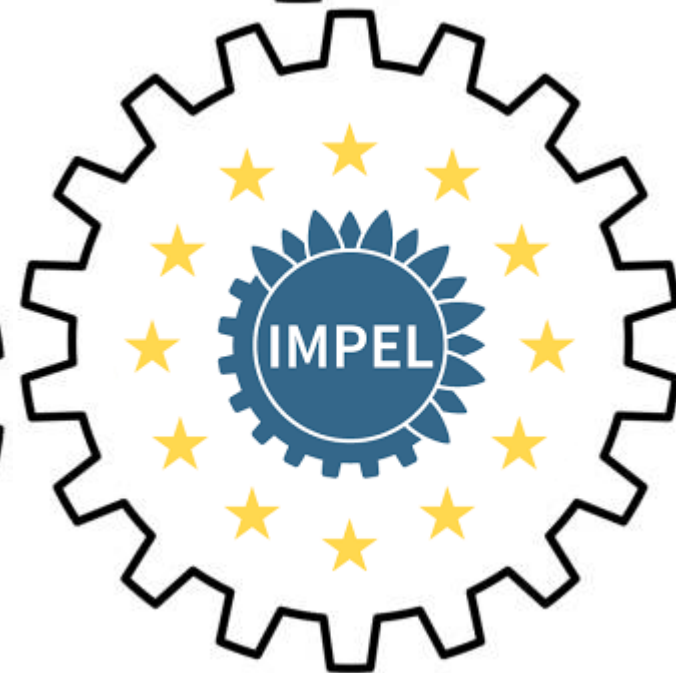
Why this project is needed

- The project aims to represent a **common, shared base for the use of AI by environmental specialists belonging to IMPEL, ENPE, EUFJE, EnviCrimenet**, to achieve the necessary **homogeneity of approach** in the entire compliance chain

Activities, outcomes and deliverables

- **Survey** of ongoing projects and of areas of interest for the **development of AI instruments**, with the perspective to share already available AI tools or to develop common ones
- Investigation of the **technical requisites** for the development and use of AI tools (e.g. for the preparation of training sets) to be considered by public organizations to **update their information systems and data collection activity**
- **Literacy courses** for **IMPEL** members, and possibly also for **ENPE, EUFJE, EnviCrimenet**





Collaboration between EEA – EIONET and IMPEL

- Not a copy...so we may put forward synergies
 - EEA-EIONET (data, reporting) -> SUPPORT POLICY, INFORM PUBLIC
 - IMPEL (inspectors, permitters, e.g.) -> IMPLEMENTATION OF EU LEGISLATION
- Presence at IMPEL General Assembly
 - Save the date 28-29 November, online, hosted by Hungary – Invite to EEA Executive Director
- IMPEL Open Days (January to February 2025), open to non-IMPEL members, happy if you may share within EIONET groups
 - 5 open days, Water and Land, Xcutting, Industry and Air, Nature Protection, Waste and TFS
 - Half day, with PM presenting projects and expected deliverables
- IMPEL project managers could be invited to specific EIONET (or ETC) meeting, covering the same topic, to present some results and vice-versa



Thank you!

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