INDUSTRIAL COOPERATION
ON REGULATION & STANDARDISATION

HARMONI PROJECT

Harmonized assessment of regulatory bottlenecks
and standardisation needs for the process industry

OBJECTIVES

To set up an effective collaboration of all the relevant stakeholders of the process industry in the field of regulation, standardisation and other non-technological barriers.

To bring together **experts with a wide range of profiles** involved in the day by day life of the production sites.

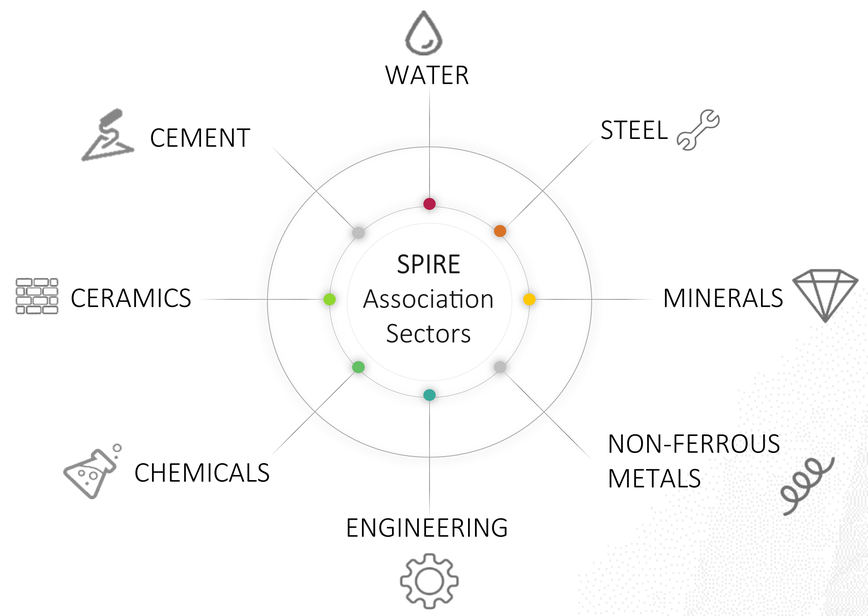
To boost the **deployment of technical solutions** towards a more sustainable and competitive European process industry through more adapted regulation measures and good practices.

REGULATORY BOTTLENECKS

STANDARDISATION NEEDS

NON-TECHNOLOGICAL BARRIERS

SECTORS & AUDIENCE TARGETED



EUROPEAN REGULATORY AUTHORITIES

EUROPEAN STANDARDISATION BODIES TECHNICAL COMMITTEES

SPIRE STAKEHOLDER COMMUNITY

OTHER INTENSIVE INDUSTRIES

CHALLENGES

COMMUNICATION

Lack of communication between industries & sectors

Industries using their own protocols and standards

Increase of involvement in all stages of regulatory and standardisation procedures

TRANSFERABILITY

Business models

Market uptake of innovative technologies

Lack of awareness

POLICIES

Standardisation needs

Problems with the transposition of EU directives

From the lack of EU regulation to the overregulated fields

MAIN PRIORITY AREAS

- New standardisation methodologies that facilitate continuous production
- Reuse of different grades of wastewater for industrial purposes
- Reuse of different types of waste as feed for industrial production and/or energy sources
- Recovery of valuable materials, metals and minerals from waste
- LCA methodologies to allow a harmonised comparison between industries and sectors
- Production of advanced renewable fuels from the use of CO2 as feedstock
- General harmonisation of the European Waste, Water and Energy policies
- Eliminating bottlenecks for the transferability of new technologies across European borders
- Eliminating bottlenecks that prevent the stimulation of investments in new technologies

MAIN OUTPUTS

1. List of regulatory & standardisation bottlenecks
2. List of areas with high transferability potential across SPIRE sectors
3. Characterisation of participation of process industry in EU legislative and regulatory process & standardisation cycle
4. Recommendations for removing existing regulatory bottlenecks to innovation
5. Suggestions for an optimal participation of the PI in EU standardisation process
6. Examples of solutions transferred across sectors
7. Recommendations for addressing standardisation needs for innovation
8. Transferability toolkit & list of barriers to transferability of innovative solutions
9. SPIRE Knowledge Platform & STAIR Platform for Process Industry

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