

INDUSTRIAL COOPERATION ON REGULATION & STANDARDISATION



HARMONI PROJECT

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

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This project has received funding from the European
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programme under Grant Agreement No 768755



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

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

Lack of awareness

Market uptake of innovative technologies

POLICIES

Standardisation needs

Problems with the EU directives **transposition**

From the lack of EU regulation to the overregulated fields

MAIN OUTPUTS

1 List of regulatory & standardisation bottlenecks

List of areas with high transferability potential across SPIRE sectors

2

3 Characterisation of participation of process industry in EU legislative and regulatory process & standardisation cycle

Recommendations for removing existing regulatory bottlenecks to innovation

4

5 Suggestions for an optimal participation of the PI in EU standardisation process

Examples of solutions transferred across sectors

6

7 Recommendations for addressing standardisation needs for innovation

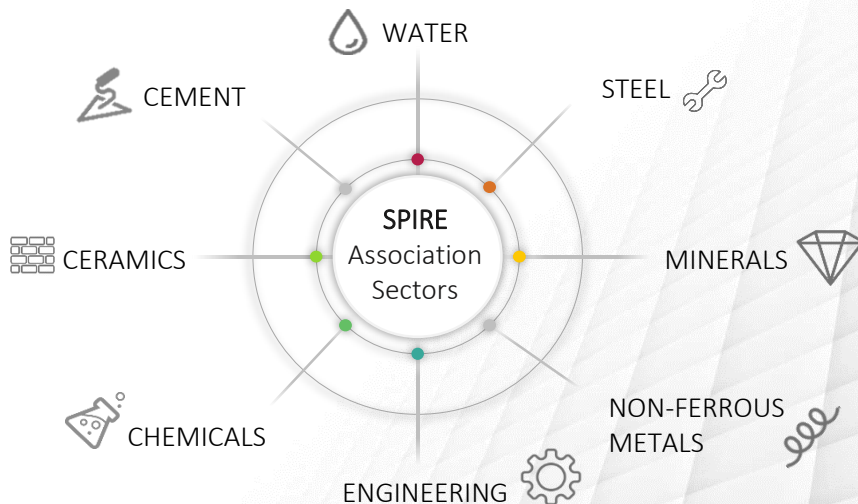
Transferability toolkit & list of barriers to transferability of innovative solutions

8

9 SPIRE Knowledge Platform & STAIR Platform for Process Industry

SECTORS & AUDIENCE TARGETED

HARMONI will develop and apply a methodology for ensuring an effective collaboration of the eight sectors involved in SPIRE PPP to elaborate solutions to the common challenges they face when trying to improve their resource efficiency. 3 focus areas will be assessed: **regulation, standardisation & other non-technical barriers**



EUROPEAN
REGULATORY
AUTHORITIES

EUROPEAN
STANDARDISATION BODIES
& TECHNICAL COMMITTEES

COMMUNITY OF
SPIRE
STAKEHOLDERS

OTHER
INTENSIVE
INDUSTRIES

METHODOLOGY

Step 1

Collection of relevant data (Survey + Contact)

Step 2

Analysis of current impact

Step 3

Use of specific and real examples

Step 5

Recommendations

Step 6

Toolkit to enable companies to transfer solutions

Step 7

Dissemination

Step 4

Technical workshops

Step 8

Use of SPIRE Knowledge Platform and STAIR Platform run by CEN/CENELEC

MAIN PRIORITY AREAS

LCA methodologies to allow a harmonised comparison between industries and sectors

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

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

HARMONI consortium includes 3 SPIRE sectorial associations (chemicals, cement and equipment), A.SPIRE, 2 research institutes coming from two SPIRE sectors (steel, ceramic), 1 National Standardisation body (DIN) and an experienced Research Centre to coordinate the project (CIRCE). In addition, an Advisory Board will involve the other 5 SPIRE sectorial associations (steel, ceramic, non-ferrous metals, water, minerals) and CEN/CENELEC

PARTNERS



ADVISORY BOARD

