



SPIRE 2050 VISION FUTURE HEU PARTNERSHIP

A.SPIRE

Towards the next Generation of European Process Industry

The SPIRE (Sustainably Process Industry through Resource and Energy Efficiency) Public/Private Partnership

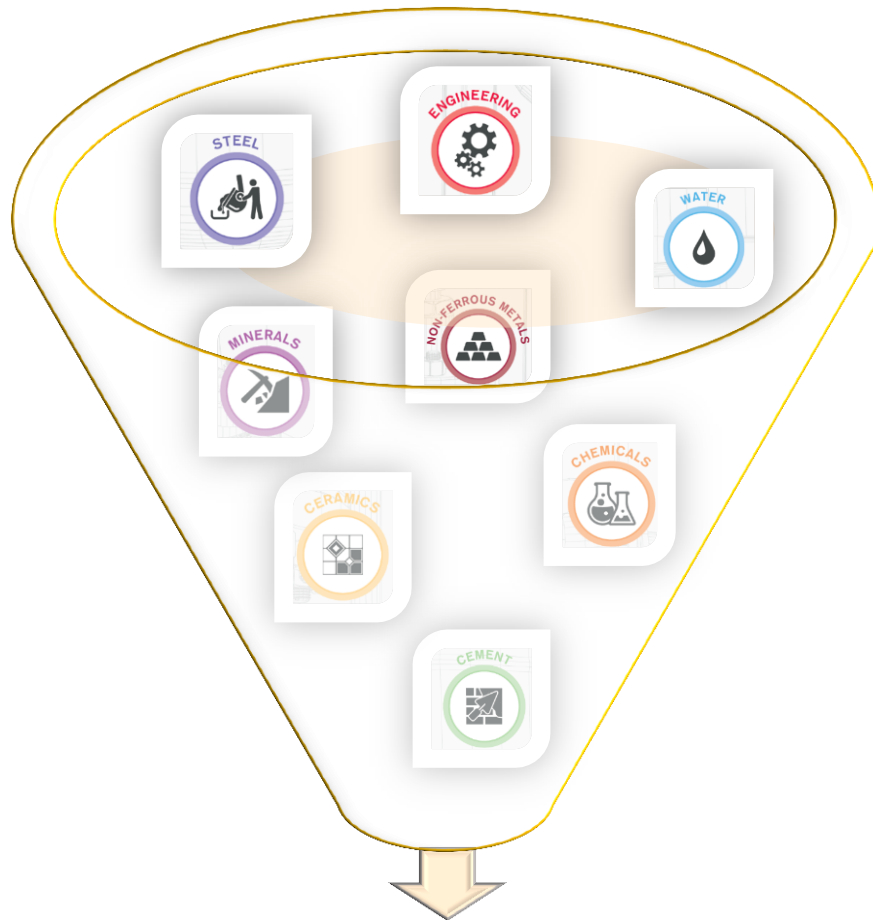
2014 – primera PPP que incluye 8 sectores de la industria

2015 – lanzamiento de primer proyecto SPIRE, actualmente el porfolio contiene +100 proyectos.
Presupuesto de la CE (período de 7 años) – **€ 900 million**

Participación bajo **Horizon 2020**



Cross-sectorial approach



SPIRE PROJECTS

La colaboración intersectorial es la piedra angular de los proyectos SPIRE:

- **Mínimo: 2 sectores/proyecto**
- **Media: 2.67 sectores/ proyecto**
- **La innovación se lleva a escala de manera eficiente en todos los sectores.**

SPIRE IMPACT

SPIRE PROGRESS MONITORING REPORT 2019 - RESULTS

PRIVATE LEVERAGE

- **8 Average leverage factor** (*Target: 5 to 10*)
- INVESTMENTS by COMPANIES: 4.1 bn €

ENVIRONMENTAL KPIs

- 29% reduction of emissions (*Target: 40%*)
- 38% less dependency on fossil energy (*Target: 30%*)
- 31% less dependency of non-renewable, primary resources (*Target: 20%*)
- 43% reduction of waste (*no initial target established*)

JOBS

- 100 new jobs being created, directly related to projects
- 438 new Jobs created, directly related to SPIRE companies

SIGNIFICANT INNOVATIONS

- 264 developed or being developed (of which 86 major innovations) (*Target: 40*)
- 65% of projects planning to patent / commercialise / deploy

SPIRE SMEs

- 7 new employees / SME (*higher than EU average = 2*)
- 40% growth in turnover (*double than EU average*)
- 16% increase in sales

SPIRE : Sector químico

➤ Resumen de proyectos SPIRE 2018:

Sector químico: 7 proyectos de 12 en 2018 (Simplify, Perform, Liberate, Bamboo, Polynspire, MMAtwo, Multicycle), con un presupuesto de **77 M €**

Topic Code	Proposal Acronym	Topic Description	Start Date	End Date	Project Total Budget
CE-SPIRE-02-2018	1. SIMPLIFY	Processing of material feedstock using non-conventional energy sources (IA)	01/11/2018	31/10/2022	10,417,488.75
	2. PERFORM		01/01/2019	31/12/2022	8,874,987.5
	3. LIBERATE		01/10/2018	30/09/2022	10,047,734.85
	4. DESTINY		01/10/2018	31/03/2022	8,442,000
CE-SPIRE-03-2018	5. PreMa	Energy and resource flexibility in highly energy intensive industries (IA 50%)	01/10/2018	30/09/2022	11,822,130
	6. CIRMET		01/10/2018	31/03/2022	10,185,820.75
	7. BAMBOO		01/09/2018	28/02/2022	18,688,328.75
CE-SPIRE-10-2018	8. POLYNSPIRE	Efficient recycling processes for plastic-containing materials	01/09/2018	31/08/2022	9,947,515
	9. MMAtwo		01/10/2018	30/09/2022	8,927,432.5
	10. MultiCycle		01/11/2018	31/10/2021	9,724,668.75
	11. iCAREPLAST		15/10/2018	14/10/2022	7,919,307.5
	12. ISOPREP		01/10/2018	30/09/2021	6,782,006.25

SPIRE 2050 VISION

Respondiendo

- Desafíos globales
- Las demandas de la sociedad.



Our ambition towards a next generation of process industry is high

**“An integrated and digital
European process industry
fostering a “well-below 2°C”
and a fully circular future
for our planet and society”**

SPIRE 2050
Our Value Proposition

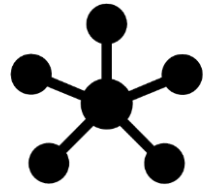
Closing the climate technological gap

Development of the required solutions to
fully contribute to the EU Climate Policy
targets



Process industries as Hubs for circularity

Development of required solutions to move
towards zero-waste-to-landfill and create
Hubs for circularity across Europe



Global competitiveness

Development of technologies which create
new investment opportunities for globally
competitive EU Process Industries

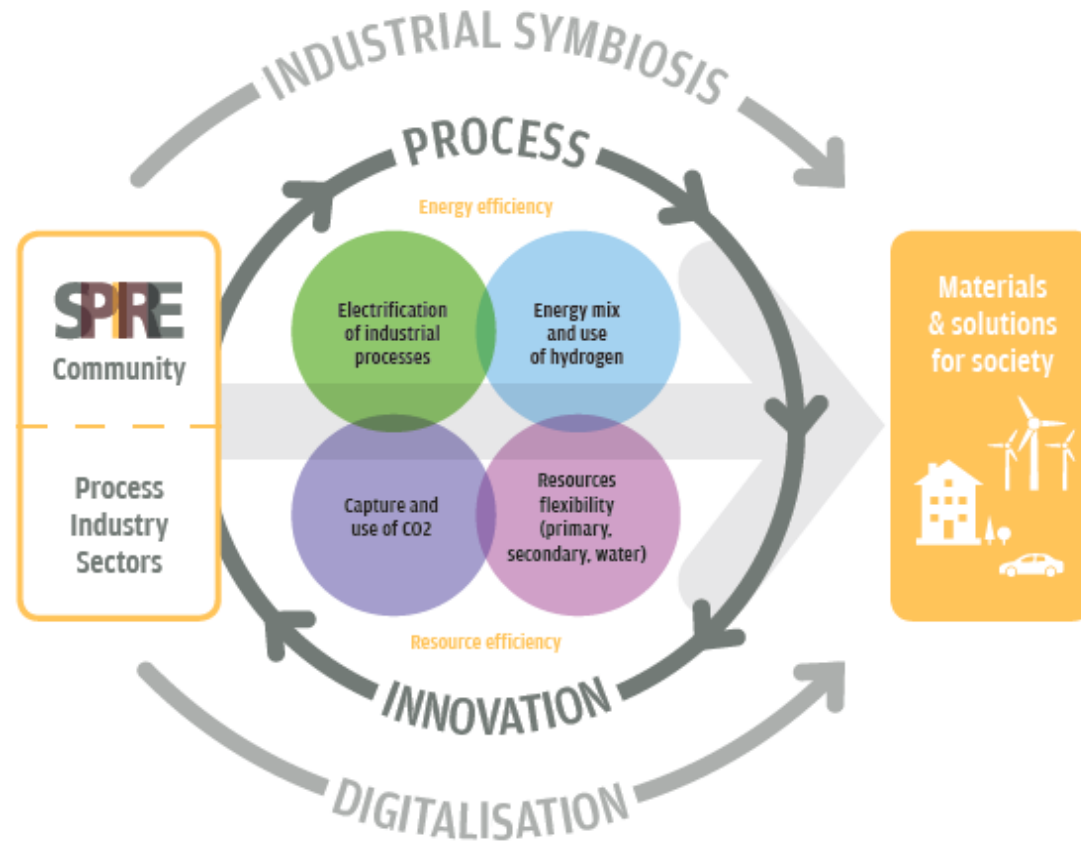


4 technological drivers

Electrification
Energy mix and H₂
Capture and Use of CO/CO₂
Resources flexibility

2 transversal topics

Digitalisation
Industrial symbiosis



SPRE VISION 2050

An integrated and digital European process industry
fostering a well below 2 degrees planet
and a fully circular economy

SPIRE in Horizon Europe

- SPIRE ha conseguido establecer una cooperación entre diferentes sectores mediante la definición de prioridades y colaborando en proyectos intersectoriales.
- SPIRE ofrece un impacto sólido en la creación de puestos de trabajo, KPI ambientales e inversión privada.
- SPIRE promueve ecosistemas de innovación y fomenta el crecimiento de las PYMES.
- La hoja de ruta de la innovación de SPIRE está bien alineada con los objetivos de cambio climático de la UE.
- SPIRE debe continuar como PPP en Horizon Europa para fortalecer la competitividad global de la industria de procesos de la UE.



Connected across borders and to citizens

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