

Processes4Planet 2050

Transforming the European Process Industry
for a sustainable & prosperous society

28 May 2021

European Skills Alliance (ESSA). A Sectoral Blueprint

Online Mid-Term Conference

Skills and Jobs in the Future-Proven Steel Industry

Àngels Orduña
Executive Director
A.SPIRE

A vibrant community ...

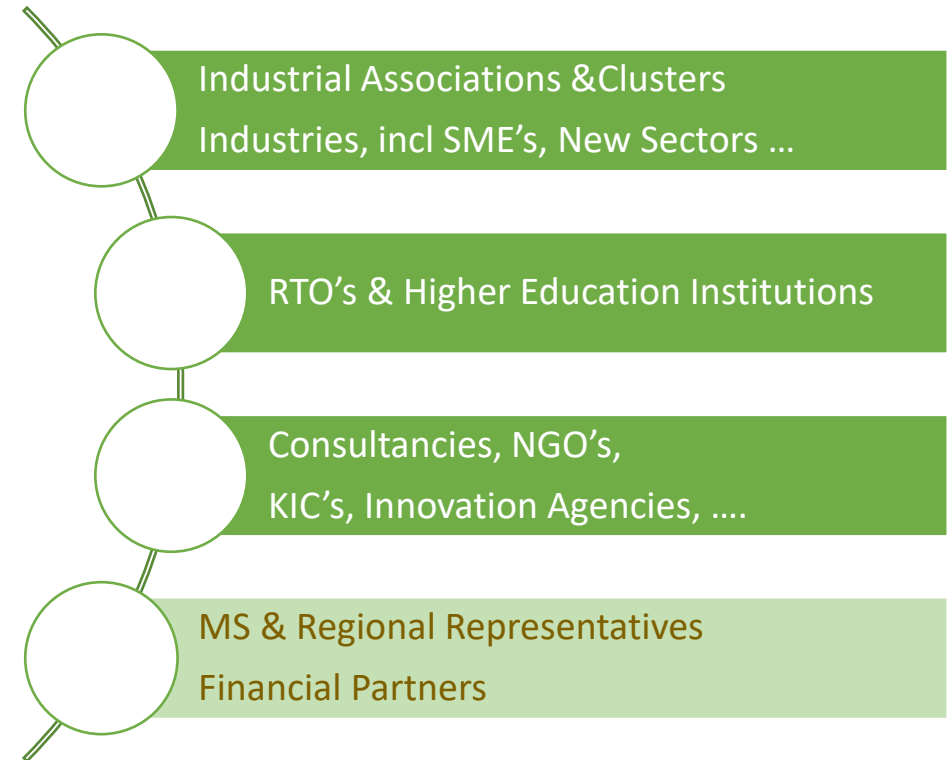
A.SPIRE – European Cross-sectoral association



DG R&I
DG Grow



COMMISSION EUROPÉENNE



OPEN APPROACH: inclusive of different stakeholders and welcoming Newcomers

The power of Process Industry Innovation in our SRIA



Innovation area	Progress up until milestone year ¹			
	2024	2030	2040	2050
Renewable energy integration				
Heat reuse				
Electrification of thermal processes				
Electrically-driven processes				
Hydrogen integration				
CO ₂ capture for utilisation				
CO ₂ utilisation in minerals				
CO ₂ & CO utilisation in chemicals and fuels				
Energy and resource efficiency				
Circularity of materials				
Industrial-Urban symbiosis				
Circular regions				
Digitalisation				
Non-technological aspects				

36 innovation programmes to FILL the GAP

+ Skills, Jobs, Competitive gap analysis, Framework/Standards

Unique cross-sectoral community



First-of-a-kind plants

Hubs for Circularity



Ambitions to enable Prosperity for all



**Climate neutrality
Net-zero emissions**



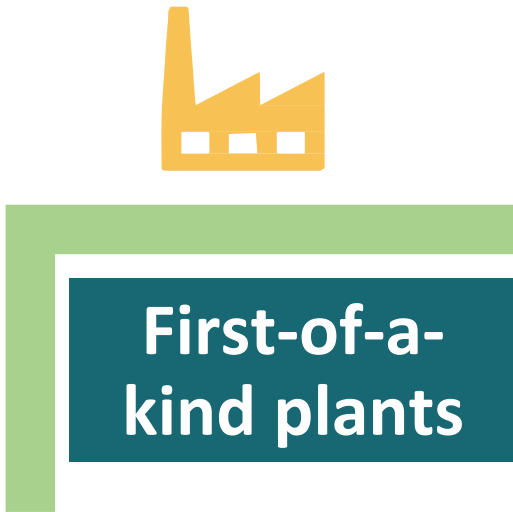
**Circularity:
Near zero landfilling
and near zero water discharge**

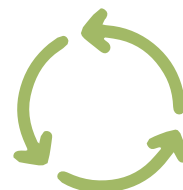
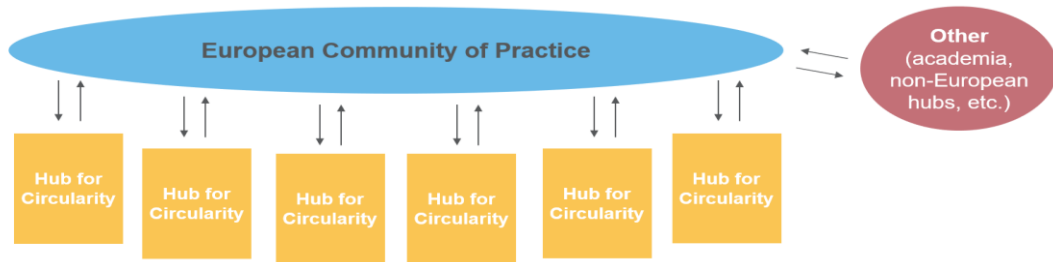


**Competitive EU
process industries**

- **First-of-a-kind Large scale plants in operation**
- Combine one or several P4Planet Innovations towards the 2030/2050 ambitions to reach Climate neutrality and circularity
- Acting as Hubs of bulk amounts of resources from industry and the municipalities.
- Several marbles will likely connect to reach together the targets of the partnership's KPIs
- **50+ Marbles** identified of which ca. We aim to **launch 15 in the period 2021 – 2030**, responding to the Green Deal plan, and enabled by the P4Planet innovation portfolio

- PRIVATE INVESTMENTS**
- Industry leader commitment
 - when technical and economic feasibility is proved through Horizon Europe programs.
 - Public support needed to de-risk and accelerate








Hubs for Circularity



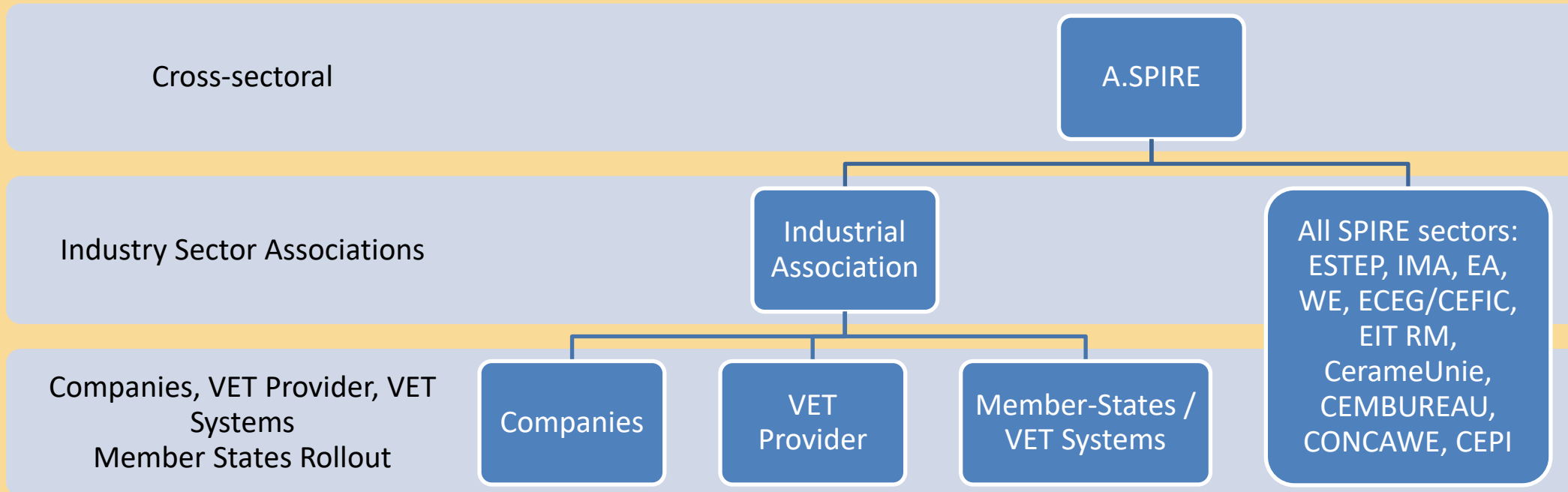
Ambitions to enable Prosperity for all

-  **Climate neutrality**
Net-zero emissions
-  **Circularity:**
Near zero landfilling and near zero water discharge
-  **Competitive EU**
process industries

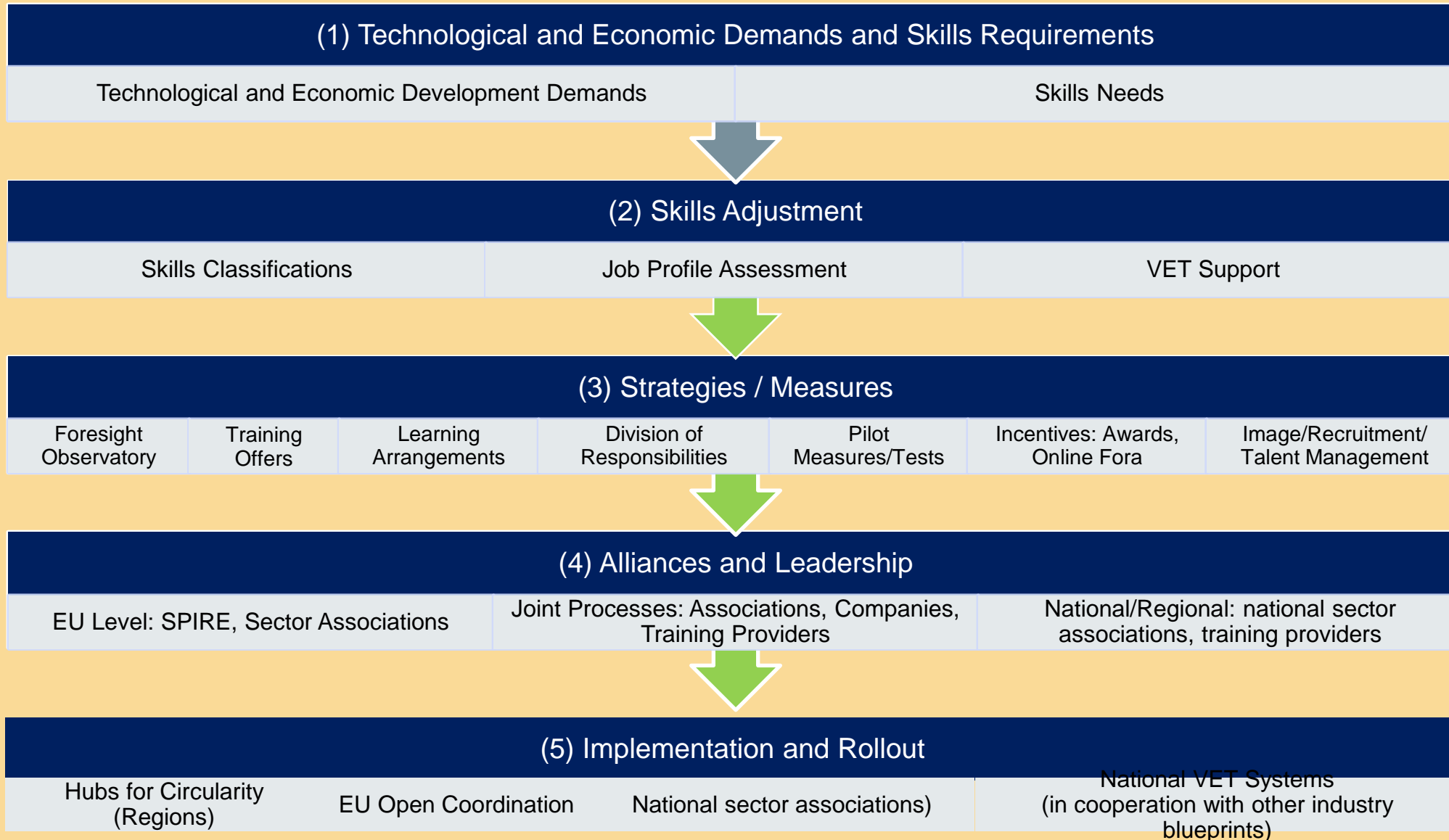
SPIRE-SAIS Blueprint: Open Coordination



SPIRE-SAIS: Open Coordination European Cross-sectoral Blueprint for a Sustainable Process Industry



European Blueprint Prototype Framework





PROCESSES4PLANET

THANK YOU FOR YOUR ATTENTION

Contact Us:



Rue Belliard 40 Bte 21B-1040 Brussels



Marta Domper, Programme Manager



info@spire2030.eu



mdo@spire2030.eu



+ 32 (0)2 436 96 14



+ 32 (0) 470 81 82 28