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
WHO WE ARE

A vibrant community ...

A.SPIRE – European Cross-sectoral association

10 Sectors

+20 EU Countries

+170 Members teaming up

DG R&I
DG Grow

Industrial Associations &Clusters
Industries, incl SME’s, New Sectors ...

RTO’s & Higher Education Institutions

Consultancies, NGO’s,
KIC’s, Innovation Agencies, ....

MS & Regional Representatives
Financial Partners

OPEN APPROACH: inclusive of different stakeholders and welcoming Newcomers
The power of Process Industry Innovation in our SRIA

36 innovation programmes to FILL the GAP
+ Skills, Jobs, Competitive gap analysis, Framework/Standards

First-of-a-kind plants
Hubs for Circularity

Unique cross-sectoral community

Ambitions to enable Prosperity for all

- Climate neutrality
- Net-zero emissions
- Near zero landfilling
- Near zero water discharge
- Competitive EU process industries

Innovation to reach First deployment & deliver Impact
Innovation to reach **First deployment & deliver Impact**

- **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

**Ambitions to enable Prosperity for all**
- Climate neutrality: Net-zero emissions
- Circularity: Near zero landfilling and near zero water discharge
- Competitive EU process industries
Innovation to reach First deployment & deliver Impact

Ambitions to enable Prosperity for all
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Hubs for Circularity
- Regional community
- Sustainable business models: Use of geographical advantage, New value chains, Co-investments, Economic solutions
- Disruptive innovation: Recycling technologies, Alternative resources, Material design, Digitalisation, Logistics

European Community of Practice
- Other (academia, non-European hubs, etc.)
- Hub for Circularity
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SPIRE-SAIS Blueprint: Open Coordination

European Cross-sectoral Blueprint for a Sustainable Process Industry

Cross-sectoral

Industry Sector Associations

Companies, VET Provider, VET Systems
Member States Rollout

A.SPIRE

Industrial Association

Companies

VET Provider

Member-States / VET Systems

All SPIRE sectors: ESTEP, IMA, EA, WE, ECEG/CEFIC, EIT RM, CerameUnie, CEMBUREAU, CONCAWE, CEPI
### European Blueprint Prototype Framework

#### (1) Technological and Economic Demands and Skills Requirements

| Technological and Economic Development Demands | Skills Needs |

#### (2) Skills Adjustment

| Skills Classifications | Job Profile Assessment | VET Support |

#### (3) Strategies / Measures

| Foresight Observatory | Training Offers | Learning Arrangements | Division of Responsibilities | Pilot Measures/Tests | Incentives: Awards, Online Fora | Image/Recruitment/Talent Management |

#### (4) Alliances and Leadership

| EU Level: SPIRE, Sector Associations | Joint Processes: Associations, Companies, Training Providers | National/Regional: national sector associations, training providers |

#### (5) Implementation and Rollout

| Hubs for Circularity (Regions) | EU Open Coordination | National sector associations) | National VET Systems (in cooperation with other industry blueprints) |
THANK YOU FOR YOUR ATTENTION

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