

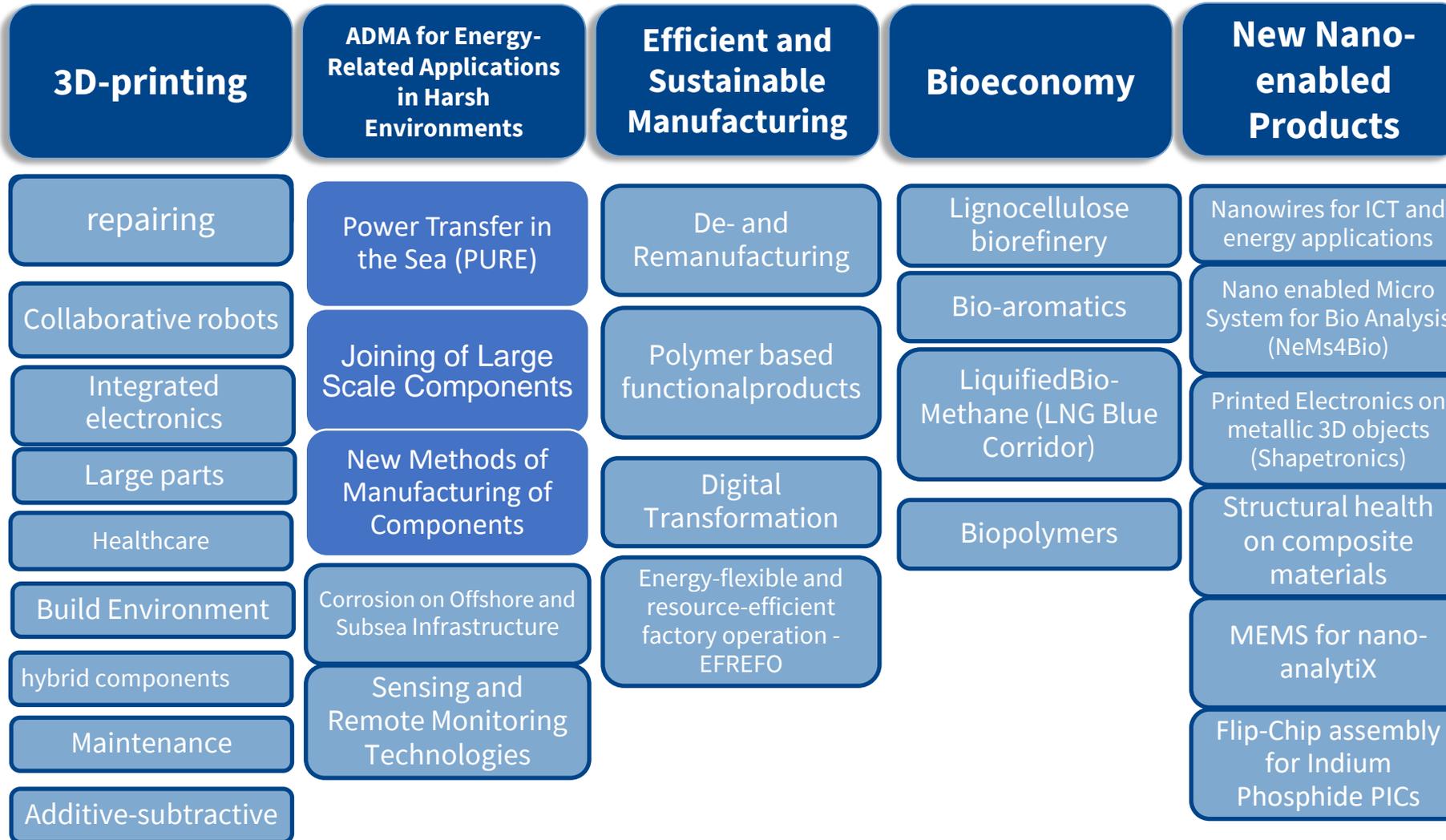
Clusters for Interregional and crossborder cooperation

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VI Pilot Projects and Democases



Artificial Intelligence

Smart Health

Hydrogen

VI Methodology

UPSCALE

COMMERCIALISE

- Launch of new ventures and start-ups
- New value chains
- **TRL 9**

DEMONSTRATE

- Networked demonstration
- Pilot lines and first of a kind factories
- **TRL 6 - 7 - 8**

CONNECT

- Matching events for complementary partners
- Developing demonstration cases

LEARN

- Developing a scoping paper
- Mapping questionnaire
- Identify lead regions and actors

Business & Investment Plans

VI Pilot Projects

- **Interregional cooperation projects between companies and knowledge institutes in a specific technology field or application domain**
 - (> TRL 5 – post prototyping)
 - industrial commitment
 - European dimension
- **European Networks of Demonstrators**
- **no “one off” projects / building of new industrial value chains through a pipeline of investment projects**

VI Pilot Democases

- **VI democases common objectives**
 - establish and facilitate access to (shared) facilities
 - lower technology uncertainty, risks and costs
 - stimulate market uptake
- **Each democase =**
 - group(s) of companies accessing infrastructure (TRL 6-8)
 - Industrial replication and upscale (TRL 8-9)
- **3 types of democases**
 - challenge driven or technology driven
 - connecting existing infrastructure
 - building brand new infrastructure
 - connect and upgrade existing infrastructure (hybrid format)



2022 Progress Indicators

(source: VI Pilot Annual Reports 2022)

	3DP	ESM	BIO	ADMA	AI	Smart health	Hydrogen
Total Number of Regions	31	24	19	7	24	13	n/a
Total number of active Demo Case	10	4	4	5	1	5	n/a
Total number of use cases	41	26	12	n/a	n/a	n/a	n/a
Number of RTOs/Universities	86+	31	6	4	12	5	n/a
Nr. of Cluster/intermediaries	31+	13	2	7	7	6	n/a
Nr. of industrial Associations	4+	1	10	4	2	1	n/a
Nr. of companies (technology suppliers or end users)	58+	86	45	16	4	0	n/a
Total Nr. of proposals prepared in the year	14	3	12	1	2	8	n/a
Total Nr.of projects approved in the year	4	2	2	0	1	5	n/a

Vanguard Initiative

13 Projects participation (2021-2023)



Efficient and Sustainable Manufacturing

Deremco
Battmass
Incircular

Smart health

Healthchain
One recent submission – evaluation results expected

3DP

3DOP

Bio

One 13 partnership currently under construction

Some other success stories....

BIO Pilot	3DP Pilot	ESM and AI Pilot
<i>SMBio-LNG business – VI democase Sustainable Mobility using renewable Liquefied Biomethane</i>	<i>From the 3DP Pan EU Platform Project to the Launch of the ‘sustainable 3DP Pan EU Gateway</i>	<i>The AI REDGIO 5.0 Project</i>
<ul style="list-style-type: none"> • Demonstration supply chain operational since 2020; • Innovative business model created with support from the Technical Assistance Facility (TAF) of the Thematic Smart Specialisation Platform for Industrial Modernisation (S3P-Industry) of the EC; • Replication of the business model to other European regions with similar S3 objectives, in the context of the VI BIO Pilot. 	<ul style="list-style-type: none"> • European Parliament pilot action managed by the EC, implemented in the VI 3DP Pilot; • 3DP PAN EU launched its 1st call for SMEs in 2020; • A total of 10 individual SME-led projects were awarded financial support, involving 10 SMEs from 5 Member States, and 21 Facility Centres based in 10 Member States; • ‘Sustainable’ 3DP Pan EU gateway was launched in 2022! 	<ul style="list-style-type: none"> • The AI REDGIO 5.0 project focuses on renovating and extending the alliance between Vanguard European regions and Digital Innovation Hubs • Two different Open Calls to finance 20 additional experiments

... Coming next: VINNOVATE first Call in 2024!



VANGUARD INITIATIVE
New growth through smart specialisation

Funding interregional SMEs-led demonstration projects, through 'Virtual Common Pot'

- Connecting (and aligning) regional/national grants programmes/instruments/budget lines
- Towards (timely) activable combinations 'fundable' activities (e.g. 1 end-user region A, 2 technology providers region B, 1 research centre region C)

Regionally-led Decision and Funding-making processes

- Not a joint-fund; Not a centrally managed call
- Funds provided directly by the respective regional funding organisations
- 'Virtual Common pot' (no transfer, no overarching entity managing funds)
- 'Low risks' (retain control of funding decisions and funding in accordance with own standard rules and procedures)

Additionality

- Channelling 'newly' dedicated-reserved budget lines...
- ...But not only (impacts maximizations)

No extra fee for calls preparation/management !

- Regional in-kind contributions (evaluations, information provision)
- Pilot resources and activities activated
- VI resources and activities activated

Eligibility criteria for regional/national instruments – A Brief overview



Type

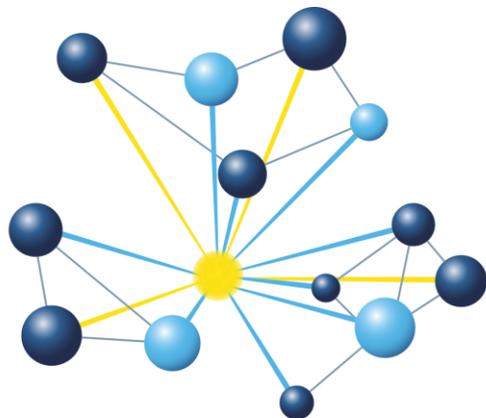
- Grants, TRL6 and beyond (*N.B.: e.g., TRL5-7 is ok*)
- Supporting activities by SMEs and/or 'Facility Centres' (including universities, research centres, etc.) and/or larger companies
- Minimum funding rate: 50% for SMEs, min. 50% for RTOs, and undefined for large companies
- Maximum funding rate: left at the discrepancy/possibility of each region

Scale

- At least potentially 250k€ activable per yearly Call, per instrument*

Scope

- At least some fields that are under the scope of VI Pilots, and therefore, shared S3 priorities among VI regions. This implies VInnovate will connect/pool 'bottom up' instruments or instrument that have a thematic coverage well aligned with a substantial part of VI pilots scope



VANGUARD INITIATIVE

New growth through smart specialisation

10 years of Vanguard Initiative!

Join us on 5 December in Brussels to celebrate
info@s3vanguardinitiative.eu

