

Vinnovate Call 2026 – Brief Overview Project Ideas Expressed (May 2026)

- The present document provides a **brief description** of the project ideas presented during the various webinars or listed on [Gateway](#).
- The aim of the present document is to **maximise outreach and matchmaking opportunities**, offering interested organisations a single document where project ideas are described.
- If you have an interest in teaming up with one of the organisations listed below, please **contact them directly** (send an email to vinnovate@s3vanguardinitiative.eu should you face issues getting in contact with the organisations).

Name Organisation (type)	Region	Project idea description	Complementary expertise (partnership requests)	Contact details
Micro-Cosmos (SME)	EAST NL	We would like to deploy the innovative bed canopy for approximately 6 months on a dementia ward of a German nursing home. A German university of applied sciences or research university would conduct research into its effectiveness (sleep, restlessness, medication use, use of restrictive measures) and into the experiences of residents, family members, and care staff. The project would thus serve both practice (better care and reduced workload), science (publications and research opportunities for students), and Micro-Cosmos itself, which would gather insights for possible product adaptations for the German market.	Specifically, we are looking for a German nursing home with a dementia ward that is open to running a pilot, and a German university of applied sciences or research university with expertise in nursing science (Pflegerwissenschaften) or gerontology that is interested in conducting the research.	Contact here
High Value Manufacturing (HVM) Group - Cardiff University	Wales	<p>1. Circular Hybrid Manufacturing (CHM) - The research focuses on the development of novel circular manufacturing routes for the production of sustainable powders for metal additive manufacturing.</p> <p>2. AI and Machine Learning for Advanced Manufacturing – This research area focuses on developing new AI and Machine Learning based techniques.</p>	Manufacturing technologies, AI, Machine Learning	Dr Debajyoti Bhaduri (BhaduriD@cardiff.ac.uk)

		<p>3. Development of Hybrid Manufacturing Process Chains for Mass Production of AM Parts - The research involves AM process optimisation for new metallic materials, followed by post-processing of the AM parts via laser-based surface engineering techniques.</p> <p>4. Advanced Machining of Composites for Aerospace/Automobile Applications</p>		
Deploy Tech Ltd (SME)	Wales	Develop a production line for a new product line called Onmi Tank Series	Manufacturing Design and Development	Contact here
SBMC (SME)	Noord Brabant	SBMC enables entrepreneurs and academics to speed up developments of new biomaterials and biodegradable implants for biomedical applications to improve patients' lives around the world.	SBMC is seeking collaboration with a partner(s) interested in, for example: electrospinning, 3D bioprinting, nerve cell regeneration, wound healing, another biomaterial-based clinical therapy histology, or cytotoxicity testing.	jan.rietsema@smartbiomaterials.nl
Cardiff Metropolitan University	Wales	Myco-materials. Expertise from CMU: Various growth substrates derived from waste biomass. Solid state fermentation expertise.	Businesses with biomass sources / off cut recycling of biomaterials.	Wallis, Christopher <CWallis@cardiffmet.ac.uk>
Cardiff Metropolitan University	Wales	Thermal & acoustic testing of biomaterials. Expertise from CMU: Bespoke materials analysis platform	Businesses / ROs in construction, furniture, interior design, polymers, composites.	Wallis, Christopher <CWallis@cardiffmet.ac.uk>
atlanTTic – University of Vigo	Galicia	IA-based scalable systems for early detection of mild cognitive impairment	Health oriented- SME, health providers, nursing homes.	Prof. Dr. Luis Anido-Rifon lanido@det.uvigo.es
Cardiff Metropolitan University	Wales	Chemical and material analysis of compounds and materials Expertise from CMU: Biomass waste valorisation platform – extraction, separation, isolation and analysis.	Businesses with challenges relating to food waste, reusing biomass processing waste, polymer recycling, material functionality.	Wallis, Christopher <CWallis@cardiffmet.ac.uk>

		Materials characterization – gels, polymers, surface functionality, e.g. antibacterial		
Cardiff Metropolitan University	Wales	Wastewater purification & recycling. Expertise from CMU: Access to Welsh Food & Drink Manufacturing industry, including wastewater effluent for trials. Water analysis – elemental + compounds	Business / ROs / Universities with technologies for wastewater recovery, purification, separation. Filtration, (Reverse) Osmosis, etc.	Wallis, Christopher <CWallis@cardiffmet.ac.uk>
Machinova (SME)	Noord Brabant	We are experts in engineering, machine building, prototyping and co-creation. We are in search for companies in the UK that wish to develop new and innovative machines and solutions. We love automation and can offer mechanical design, industrial software design, and integration of new technologies for industrial automation.	We are open to any partner that needs 3D engineering of machinery, prototyping, machine building, or metal/plastic parts manufacturing.	Aart Schalk, info@machinnova.com
ImmunoServ	Wales	We are looking to develop new T cell immunity tests for vaccine immunogenicity and population health assessments.	We are looking for partners with expertise in infectious diseases to validate our Immuno-T test platform in different disease areas.	James Hindley; info@immunoserv.com ; JamesHindley@ImmunoServ.com