

Production Technology-related call topics 2021/22

This information is preliminary; final calls and details will be published here:

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/home>

1. Calls of the “Made in Europe”-Programme:

Made in Europe calls will be part of the Cluster 4 (Digital, industry and space), specifically in destination 1 “Climate-neutral, circular and digitised production”, which will have a budget of 734 million Euros for the next two years. The Made in Europe call topics will be spread over two areas: first “**Green, flexible and advanced manufacturing**” and second “**Advanced digital technologies for manufacturing**” with a total of 12 calls; 6 calls in 2021 and 6 calls in 2022. It is important to underline that the calls will be all labelled as “twin-transition” calls (referring the green and the digital transition).

The official opening of the calls will be on the 15th of April 2021.

Deadlines are on the 15th of July 2021 and on the 12th of January 2022.

In the year 2021:

Area: Green, flexible and advanced manufacturing

- 2021-twin-transition-01-01: **AI-enhanced robotics system for smart manufacturing** (IA); expected budget of 30 million EUR (3 projects expected to be funded, with a size of 8-12 million per project)
- 2021-twin-transition-01-02: **Zero-defect manufacturing towards zero-waste** (IA); expected budget 27,50 million EUR (3 projects expected to be funded, with a size of 8-12 million per project)
- 2021-twin-transition-01-03: **Laser-based technologies for green manufacturing** (RIA); expected budget of 26 million EUR (4 projects expected to be funded, with a size of 5-7 million per project)
- 2021-twin-transition-01-05: **Manufacturing technologies for bio-based materials** (RIA); expected budget of 20 million EUR (4 projects expected to be funded, with a size of 4-6 million per project)

Area: “Advanced digital technologies for manufacturing”

- 2021-twin-transition-01-07: **Artificial Intelligence for sustainable, agile manufacturing** (IA); expected budget of 17 million EUR (3 projects expected to be funded, with a size of 3-8 million per project)
- 2021-twin-transition-01-08: **Data-driven Distributed Industrial Environments** (IA); expected budget of 22.5 million EUR (3 projects expected to be funded, with a size of 4-8 million per project)

In the year 2022:

Area: “Green, flexible and advanced manufacturing”

- 2022-twin-transition-01-01: **Rapid reconfigurable production process chains** (IA); expected budget of 27.5 million EUR (3 projects expected to be funded, with a size of 8-12 million per project)
- 2022-twin-transition-01-02: **Products with complex functional surfaces** (RIA); expected budget of 20 million EUR (4 projects expected to be funded, with a size of 4-6 million per project)
- 2022-twin-transition-01-04: **Excellence in distributed control and modular manufacturing** (RIA); expected budget of 20 million EUR (4 projects expected to be funded, with a size of 4-6 million per project)
- 2022-twin-transition-01-05: **Intelligent workpiece handling in a full production line** (RIA); expected budget of 20 million EUR (4 projects expected to be funded, with a size of 4-6 million per project)

Area: "Advanced digital technologies for manufacturing"

- 2022-twin-transition-01-06: **ICT Innovation for Manufacturing Sustainability in SMEs (I4MS2)** (IA); expected budget of 35 million EUR (3 projects expected to be funded, with a size of 4-8 million per project)
- 2022-twin-transition-01-07: **Digital tools to support the engineering of a Circular Economy** (RIA); expected budget of 22 million EUR (3 projects expected to be funded, with a size of 3-6 million per project)

2. Other Calls for Industrial Technologies (Bio-Manufacturing, Circular Economy, Construction, Materials, Mining, Artificial Intelligence)

- 2021-twin-transition-01-11: **Automated tools for the valorisation of construction waste** (RIA)
- 2021-twin-transition-01-12: **New breakthrough technologies for technological sovereignty in construction** (IA)
- 2021- twin-transition-01-20: **Reducing environmental footprint, improving circularity in extractive and processing value chains** (IA)
- 2022- twin-transition-01-09: **Demonstrate the use of Digital Logbook for buildings** (IA)
- 2021-resilience-01-01: **Ensuring circularity of composite materials** (RIA)
- 2021-resilience-01-07: **Building innovative value chains from raw materials to sustainable products** (IA)
- 2021-resilience-01-10: **Paving the way to an increased share of recycled plastics in added value products** (RIA)
- 2021-resilience-01-26: **Sustainable Industry Commons** (RIA)
- 2021-resilience-01-27: **Innovation Radar, Tech Due Diligence and Venture Building for strategic digital technologies** (CSA)
- 2021-resilience-01-28: **Re-opening industrial sites preparatory action** – Promoting a sustainable strategy for Europe's industrial future (CSA)
- 2021-resilience-01-29: **'Innovate to transform' support for SME's sustainability transition** (IA)
- 2021-resilience-01-31: **European Technological and Social Innovation Factory** (CSA)

- 2021-resilience-01-32: **Social and affordable housing district demonstrator (IA)**
- 2021-resilience-02-01-PCP: **Boosting economic recovery and strategic autonomy in Strategic Digital Technologies through pre-commercial procurement (PCP action)**
- 2022-resilience-01-01: **Circular and low emission value chains through digitalisation (RIA)**
- 2022-resilience-01-04: **Developing digital platforms for the small-scale extractive industry (RIA)**
- 2022-resilience-01-05: **Technological solutions for tracking raw material flows in complex supply chains (RIA)**
- 2022-resilience-01-06: **Sustainable and innovative mine of the future (IA)**
- 2022-resilience-01-07: **Innovative solutions for efficient use and enhanced recovery of mineral and metal by-products from processing of raw materials (IA)**
- 2022-resilience-01-25: **Optimized Industrial Systems and Lines through digitalisation (IA)**
- 2022-resilience-01-21: **Leveraging standardisation in Strategic Sustainability and Digital Technologies (CSA)**
- 2021-digital-emerging-01-27: **Development of technologies/devices for bio-intelligent manufacturing (RIA)**
- 2021-digital-emerging-01-22: **Framework Partnership Agreements for open testing and experimentation and for pilot production capabilities for quantum technologies (FPA)**
- 2021-human-01-01: **Verifiable robustness, energy efficiency and transparency for Trustworthy AI: Scientific excellence boosting industrial competitiveness (RIA)**
- HORIZON-CL4-2021-HUMAN-01-02: **European coordination, awareness, standardisation & adoption of trustworthy European AI, Data and Robotics (CSA)**
- HORIZON-CL4-2021-HUMAN-01-17: **Awareness raising on Intellectual property (IP) management for European R&I (CSA)**
- HORIZON-CL4-2021-HUMAN-01-18: **Fostering standardisation to boost European industry's competitiveness (CSA)**
- HORIZON-CL4-2021-HUMAN-01-20: **Piloting a new industry-academy knowledge exchange focusing on companies' needs (CSA)**
- HORIZON-CL4-2021-HUMAN-01-26: **Workforce skills for industry 5.0 (RIA)**
- 2022-Extended Industrial R&D&I and Technologies Investment Monitoring and Assessment Facility -Monitoring and assessment of industrial R&D&I investment for SDG targets
- 2021-Procurement for new indicators for the Green Deal and EU industry sustainability and competitiveness