Destination 1: Climate neutral, Circular and Digitised Production

- High-precision OR complex product manufacturing potentially including the use of photonics (Made in Europe and Photonics Partnerships) (IA)
- Factory-level and value chain approaches for remanufacturing (Made in Europe Partnership) (IA)
- Achieving resiliency in value networks through modelling and Manufacturing as a Service (Made in Europe Partnership) (RIA)
- Foresight and technology transfer for Manufacturing as a Service (Made in Europe Partnership) (CSA)
- Energy efficiency breakthroughs in the process industries (Processes4Planet partnership) (RIA)
- Electrification of high temperature heating systems (Processes4Planet Partnership) (IA)
- Modelling industry transition to climate neutrality, sustainability and circularity (Processes4Planet partnership) (RIA)
- Hubs for circularity for near zero emissions regions applying industrial symbiosis and cooperative approach to heavy industrialized clusters and surrounding ecosystems (Processes4Planet partnership) (IA)
- Sustainable and efficient industrial water consumption: through energy and solute recovery (Processes4Planet partnership) (RIA)
- Circular economy in process industries: Upcycling large volumes of secondary resources (Processes4Planet partnership) (RIA)
- Low carbon-dioxide emission technologies for melting iron-bearing feed materials OR smart carbon usage and improved energy & resource efficiency via process integration (Clean Steel Partnership) (IA)
- Circular economy solutions for the valorisation of low-quality scrap streams, materials recirculation with high recycling rate, and residue valorisation for long term goal towards zero waste (Clean Steel Partnership) (RIA)
- (Two stage) Intelligent data acquisition and analysis of materials and products in existing built works (RIA)

Destination 2: Increased Autonomy in Key Strategic Value Chains for Resilient Industry

Bioinspired and biomimetic materials for sustainable textiles (IA)

- Smart sensors for the Electronic Appliances market (RIA)
- Advanced (nano and bio-based) materials for sustainable agriculture (RIA)
- Advanced materials for magnets in applications for the New Energies Market (RIA)
- Innovative technologies for sustainable and decarbonised extraction (RIA)
- Technologies for processing and refining of critical raw materials (IA)
- Recycling technologies for critical raw materials from EoL products (IA)
- Earth Observation platform, products and services for raw materials (IA)
- Expert network on Critical raw materials (CSA)
- Recyclability and resource efficiency of Rare Earth based magnets (IA)
- Innovative methods for safety and sustainability assessments of chemicals and materials (RIA)
- Integrated approach for impact assessment of safe and sustainable chemicals and materials (RIA)
- Computational models for the development of safe and sustainable by design chemicals and materials (RIA)
- Coordination and knowledge sharing across materials development communities (CSA)
- Boosting generation and diffusion of advanced technologies in SMEs based on a supply chain model (CSA)
- Affordable Housing District Demonstrator (IA)

Destination 3: World-leading Data and Computing Technologies

- Integration of data life cycle, architectures and standards for complex data cycles and/or human factors, language (AI, data and robotics partnership) (RIA)
- Collaboration with NSF on fundamental research on new concepts for distributed computing and swarm intelligence (CSA)
- Cognitive Computing Continuum: Intelligence and automation for more efficient data processing (AI, data and robotics partnership) (RIA)
- Coordination and Support of Cognitive Computing Continuum research and policy (CSA)

Destination 4: Digital & Emerging Technologies for Competitiveness and Fit for the Green Deal

Call - Digital and emerging technologies for competitiveness and fit for the Green Deal

- Novel paradigms and approaches, towards AI-driven autonomous robots (AI, data and robotics partnership) (RIA)
- Adaptive multi-scale modelling and characterisation suites from lab to production (RIA)
- Pervasive photonics multi-technology integration for digital infrastructure, sensors and internet of things (Photonics partnership)(RIA)
- Versatile light sources and systems as tools for manufacturing and medical application (Photonics Partnership) (RIA)
- Advanced imaging and sensing technologies (IA)(Photonics Partnership)
- Industrial leadership in AI, Data and Robotics advanced human robot interaction (AI Data and Robotics Partnership) (IA)
- Low TRL research in micro-electronics and integration technologies for industrial solutions (RIA)
- Sustainable safe-by-design 2D materials technology (RIA)
- 2D materials of tomorrow (RIA)
- Quantum Photonic Integrated Circuit technologies (RIA)
- Investing in alternative quantum computation and simulation platform technologies (RIA)
- Framework Partnership Agreement for developing large-scale quantum Computing platform technologies (FPA)
- generation quantum sensing and metrology technologies (RIA)
- Photonic Strategies and Skills Development (CSA) (Photonics Partnership)

Destination 5: Open Strategic Autonomy in Developing, Deploying and Using Global Space-Based Infrastructures, Services, Applications and Data

End-to-end Earth observation systems and associated services

- Future Space Ecosystem and Enabling Technologies
- Future Space Ecosystem: Management and Coordination Activity
- New space transportation solutions and services
- Modern, flexible and efficient European test, production and launch facilities
- Evolution of services: Copernicus
- Copernicus for Atmosphere and Climate Change, including CO2
- Copernicus for Emergency Management
- Copernicus in-situ component
- Quantum Communication Technologies for space systems
- Quantum Space Gravimetry Phase-A Study
- Scientific exploitation of space data
- Space technologies for European non-dependence and competitiveness

Destination 6: A human-centred and ethical development of digital and industrial technologies

- Toolbox for efficient IP licensing for market uptake and societal value creation (CSA)
- Piloting communities of expert facilitators to improve industry-academia-public sector cocreation (CSA)
- Fostering knowledge valorisation through societal and cultural interactions (CSA)
- Pilots for an innovative human-centric industry (RIA)
- Drivers and success factors for progress towards Industry 5.0 (RIA)
- Localised and Urban Manufacturing, supporting creativity and the New European Bauhaus (RIA using FSTP)
- Green and digital skills and training needs for a just transition (CSA)
- Boosting industrial symbiosis by standardisation (CSA)
- Provide for a strong and sustainable pool of experts for European Standardisation: attract the students of university/HEI

- Pre-normative research and standardisation in industrial ecosystems (CSA)
- International Hub for Digital Partnerships in the Indo-Pacific (CSA)
- R&I cooperation with Sub-Saharan Africa (CSA)
- R&I cooperation with Latin America (Mexico, Brazil, Argentina, and other countries in the BELLA network or members of RedClara) (CSA)
- Efficient trustworthy AI making the best of data (AI, Data and Robotics Partnership) (RIA)
- Large Scale pilots on trustworthy AI data and robotics addressing key societal challenges (AI Data and Robotics Partnership) (IA)
- Natural Language Understanding and Interaction in Advanced Language Technologies (AI Data and Robotics Partnership) (RIA)
- Through AI from Disinformation to Trust (IA)
- Next Generation Internet Fund (RIA)
- Pilots for the Next Generation Internet (IA)
- Next Generation Internet International Collaboration USA (RIA)
- Next Generation Internet Commons Policy (CSA)
- Next Generation eXtended Reality (RIA)
- eXtended Reality for Industry 5.0 (IA)
- Supporting the emergence of an open human-centric Metaverse (CSA)
- Support facility for digital standardisation and international cooperation in digital partnerships (CSA)
- Promoting EU standards globally (CSA)
- Digital Humanism Putting people at the centre of the digital transformation (CSA)
- Art-driven digital innovation: Towards human compatible and ecologically conscious technology (CSA)