

**Appels à propositions dans le cadre du programme européen pour la recherche et l'innovation
« HORIZON 2020 »**

PRIMAUTE INDUSTRIELLE

Nanotechnologies, Matériaux, Biotechnologies et Procédés de fabrication et de production avancés

| Titre | Type | Budget | Date d'ouverture | Date limite |
|--|------|----------|------------------|---|
| OPEN INNOVATION TEST BEDS | | | | |
| DT-NMBP-04-2020: Open Innovation Test Beds for bio-based nano-materials and solutions | IA | 111,5 M€ | 3/07/2019 | 12/12/19 (1ère étape) 14/05/20 (2ème étape) |
| DT-NMBP-05-2020: Open Innovation Test Beds for functional materials for building envelopes | IA | | 3/07/2019 | 12/12/19 (1ère étape) 14/05/20 (2ème étape) |
| DT-NMBP-06-2020: Open Innovation Test Beds for nano-pharmaceuticals production | IA | | 3/07/2019 | 12/12/19 (1ère étape) 14/05/20 (2ème étape) |
| Caractérisation des matériaux et modélisation informatique | | | | |
| DT-NMBP-11-2020: Open Innovation Test Beds for Materials Modelling | RIA | 12 M€ | 3/07/2019 | 12/12/19 (1ère étape) 14/05/20 (2ème étape) |
| NMBP-35-2020 : Towards harmonised characterisation protocols in NMBP | RIA | 12 M€ | 3/07/2019 | 12/12/19 (1ère étape) 14/05/20 (2ème étape) |
| Numérisation des services et de l'industrie européenne | | | | |
| DT-NMBP-12-2019 Sustainable Nano-Fabrication | CSA | 4 M€ | 16/10/2018 | 3/09/2019 |
| Gouvernance, évaluation du risque basée sur la science et aspects réglementaires | | | | |
| NMBP-16-2020: Safe by design, from science to regulation: behaviour of multi-component nanomaterials | RIA | 13 M € | 3/07/2019 | 12/12/19 (1ère étape) 14/05/20 (2ème étape) |
| NMBP-34-2019 : In support of documentary standards (CSA) | CSA | 3 M€ | 16/10/2018 | 3/09/2019 |
| NMBP-36-2020 : Monitoring and safety of transport infrastruc | CSA | 2 M€ | 3/07/2019 | 5/02/2020 |
| NMBP-37-2020 : Incentivising newcomers | CSA | 1,5M€ | 3/07/2019 | 5/02/2020 |
| NMBP-38-2020 : Citizens and industrial technologies | CSA | 1,5M€ | 3/07/2019 | 5/02/2020 |

| INDUSTRY COMMONS | | | | |
|---|-----|--------|-----------|---|
| DT-NMBP-39-2020 : Towards Standardised Documentation of | CSA | 4 M€ | 3/07/2019 | 05/02/2020 (une seule étape) |
| DT-NMBP-40-2020 : Creating an open market place for industr | RIA | 4 M€ | 3/07/2019 | 12/12/19 (1ère étape) 14/05/20 (2ème étape) |
| FACTORIES OF THE FUTURE (FOF) | | | | |
| DT-FOF-07-2020: Assembly of micro parts | RIA | 100 M€ | 3/07/2019 | 5/02/2020 |
| DT-FOF-09-2020: Energy-efficient manufacturing system management | IA | | 3/07/2019 | 5/02/2020 |
| DT-FOF-10-2020: Pilot lines for large-part high-precision manufacturing | IA | | 3/07/2019 | 5/02/2020 |
| DT-FOF-11-2020: Quality control in smart manufacturing | IA | | 3/07/2019 | 5/02/2020 |

| Biotechnologies | | | | |
|---|-----|---------|-----------|---|
| BIOTEC-06-2020: Reprogrammed microorganisms for biological sensors | IA | 56 M€ | 3/07/2019 | 12/12/19 (1ère étape) 14/05/20 (2ème étape) |
| BIOTEC-07-2020: Multi-omics for the optimisation of genotype-phenotype associations | RIA | | 3/07/2019 | 12/12/19 (1ère étape) 14/05/20 (2ème étape) |
| CE-BIOTEC-08-2020 : New biotechnologies to remediate harmful contaminants | RIA | 10 M€ | 3/07/2019 | 15/04/2020 (1 seule étape) |
| CE-BIOTEC-09-2020 : Upcycling Bio Plastics of food and drinks packaging | RIA | 20 M€ | 3/07/2019 | 12/12/19 (1ère étape) 14/05/20 (2ème étape) |
| Innovations technologiques médicales | | | | |
| NMBP-21-2020: Biological scaffolds for tissue regeneration and repair and repair | RIA | 17 M€ | 3/07/2019 | 12/12/19 (1ère étape) 14/05/20 (2ème étape) |
| DT-NMBP-23-2020: Next generation organ-on-chip | RIA | 18 M€ | 3/07/2019 | 12/12/19 (1ère étape) 14/05/20 (2ème étape) |
| SUSTAINABLE PROCESS INDUSTRY (SPIRE) | | | | |
| CE-SPIRE-08-2020: Novel high performance materials and components | RIA | 31,9 M€ | 3/07/2019 | 5/02/2020 |
| DT-SPIRE-11-2020 : Artificial Intelligence and Big Data Technologies for Process Industries | CSA | 600 k€ | 3/07/2019 | 5/02/2020 |
| Energie propre à travers les matériaux innovants | | | | |
| LC-NMBP-31-2020: Materials for off shore energy | IA | 20 M€ | 3/07/2019 | 12/12/19 (1ère étape) 14/05/20 (2ème étape) |
| ENERGY-EFFICIENT BUILDINGS (EEB) | | | | |
| LC-EEB-04-2020: Industrialisation of building envelope for the renovation market | IA | 52,5 M€ | 3/07/2019 | 5/02/2020 |
| LC-EEB-07-2020 : Smart Operation of Proactive Residential Buildings | IA | | 3/07/2019 | 5/02/2020 |
| LC-EEB-08-2020 : Digital Building Twins | RIA | | 3/07/2019 | 5/02/2020 |

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Espace

| Titre | Type | Budget | Date d'ouverture | Date limite |
|--|-------------|---------------|-------------------------|--------------------|
| Observation de la terre | | | | |
| DT-SPACE-01-EO-2018-2020 : Copernicus market uptake | IA | 9 M€ | 5/11/2019 | 5/03/2020 |
| LC-SPACE-18-EO-2020 : Copernicus evolution: Research activities in support of the evolution of the Copernicus services | RIA | 10 M€ | 5/11/2019 | 5/03/2020 |
| LC-SPACE-19-EO-2020 : Copernicus evolution: new concept for an innovative and holistic solution for Sentinels calibration & validation | CSA | 3 M€ | 5/11/2019 | 5/03/2020 |
| LC-SPACE-24-EO-2020 : Copernicus evolution: Mission exploitation concept for WATER | CSA | 3 M€ | 5/11/2019 | 5/03/2020 |
| Intelligence artificielle et espace | | | | |
| DT-SPACE-25-EO-2020 : Big data technologies and Artificial Intelligence for Copernicus | RIA | 10 M€ | 5/11/2019 | 5/03/2020 |
| Commerce spatial, entrepreneuriat, vulgarisation et éducation | | | | |
| DT-SPACE-26-BIZ-2020 : Space hubs (support to start-ups) | CSA | 2 M€ | 5/11/2019 | 5/03/2020 |
| Technologies spatiales, science et exploration | | | | |
| SPACE-10-TEC-2018-2020 : Technologies for European non-dependence and competitiveness | RIA | 14 M€ | 5/11/2019 | 5/03/2020 |
| SPACE-27-TEC-2020 : SRC - Space robotics technologies | RIA | 9 M€ | 5/11/2019 | 5/03/2020 |
| SPACE-28-TEC-2020 : SRC - In-space electrical propulsion and station keeping - Incremental technologies | IA | 24 M€ | 5/11/2019 | 5/03/2020 |
| SPACE-29-TEC-2020 : Satellite communication technologies | RIA | 9 M€ | 5/11/2019 | 5/03/2020 |
| SPACE-30-SCI-2020 : Scientific data exploitation | RIA | 9 M€ | 5/11/2019 | 5/03/2020 |
| Sécurité et environnement spatial sûr | | | | |

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TIC

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|---|------|---------|------------------|-------------|
| Intelligence artificielle et technologies pour numériser l'industrie et l'économie européennes | | | | |
| ICT-46-2020 : Robotics in Application Areas and Coordination & Support | RIA | 41,5 M€ | 19/11/2019 | 22/04/2020 |
| ICT-46-2020 : Robotics in Application Areas and Coordination & Support | IA | 41,5 M€ | 19/11/2019 | 22/04/2020 |
| ICT-46-2020 : Robotics in Application Areas and Coordination & Support | CSA | 3 M€ | 19/11/2019 | 22/04/2020 |
| ICT-47-2020 : Research and Innovation boosting promising robotics applications | RIA | 20 M€ | 19/11/2019 | 22/04/2020 |
| ICT-48-2020 : Towards a vibrant European network of AI excellence centres | RIA | 48 M€ | 9/07/2019 | 13/11/2019 |
| ICT-48-2020 : Towards a vibrant European network of AI excellence centres | CSA | 2 M€ | 9/07/2019 | 13/11/2019 |
| ICT-49-2020 : Artificial Intelligence on demand platform | IA | 20 M€ | 19/11/2019 | 22/04/2020 |
| ICT-38-2020 : Artificial intelligence for manufacturing | RIA | 47 M€ | 9/07/2019 | 16/01/2020 |
| ICT-38-2020 : Artificial intelligence for manufacturing | CSA | 1 M€ | 9/07/2019 | 16/01/2020 |
| ICT-36-2020 : Disruptive photonics technologies | RIA | 47,5 M€ | 19/11/2019 | 22/04/2020 |
| ICT-37-2020 : Advancing photonics technologies and application driven photonics components and the innovation ecosystem | IA | 15 M€ | 19/11/2019 | 22/04/2020 |
| ICT-37-2020 : Advancing photonics technologies and application driven photonics components and the innovation ecosystem | RIA | 29 M€ | 19/11/2019 | 22/04/2020 |
| ICT-37-2020 : Advancing photonics technologies and application driven photonics components and the innovation ecosystem | CSA | 4 M€ | 19/11/2019 | 22/04/2020 |
| ICT-50-2020 : Software Technologies | CSA | 1 M€ | 9/07/2019 | 16/01/2020 |
| ICT-50-2020 : Software Technologies | RIA | 29 M€ | 9/07/2019 | 16/01/2020 |
| Infrastructures de données européennes : HPC, Big Data et technologies cloud | | | | |
| ICT-51-2020 : Big Data technologies and extreme-scale analytics | CSA | 1,5M€ | 9/07/2019 | 16/01/2020 |
| ICT-51-2020 : Big Data technologies and extreme-scale analytics | RIA | 30 M€ | 9/07/2019 | 16/01/2020 |
| ICT-40-2020 : Cloud Computing: towards a smart cloud computing continuum | CSA | 600 k€ | 19/11/2019 | 22/04/2020 |
| ICT-40-2020 : Cloud Computing: towards a smart cloud computing continuum | RIA | 19,4 M€ | 19/11/2019 | 22/04/2020 |

| 5G | | | | |
|--|-----|---------|------------|------------|
| ICT-52-2020 : 5G PPP – Smart Connectivity beyond 5G | RIA | 55 M€ | 19/11/2019 | 22/04/2020 |
| ICT-41-2020 : 5G PPP – 5G innovations for verticals with third party services | IA | 49 M€ | 19/11/2019 | 22/04/2020 |
| ICT-42-2020 : 5G PPP – 5G core technologies innovation | IA | 48 M€ | 9/07/2019 | 16/01/2020 |
| ICT-42-2020 : 5G PPP – 5G core technologies innovation | CSA | 1 M€ | 9/07/2019 | 16/01/2020 |
| ICT-53-2020 : 5G PPP – 5G for Connected and Automated Mobility (CAM) | IA | 30 M€ | 9/07/2019 | 13/11/2019 |
| Next Generation Internet (NGI) | | | | |
| ICT-54-2020 : Blockchain for the Next Generation Internet | RIA | 20 M€ | 9/07/2019 | 16/01/2020 |
| ICT-55-2020 : Interactive Technologies | IA | 17 M€ | 9/07/2019 | 13/11/2019 |
| ICT-56-2020 : Next Generation Internet of Things | RIA | 46,5 M€ | 9/07/2019 | 16/01/2020 |
| ICT-56-2020 : Next Generation Internet of Things | CSA | 2 M€ | 9/07/2019 | 16/01/2020 |
| ICT-57-2020 : An empowering, inclusive Next Generation Internet | RIA | 7 M€ | 19/11/2019 | 22/04/2020 |
| ICT-44-2020 : Next Generation Media | IA | 15,5 M€ | 9/07/2019 | 16/01/2020 |
| ICT-44-2020 : Next Generation Media | CSA | 2 M€ | 9/07/2019 | 16/01/2020 |
| Activités transversales | | | | |
| ICT-45-2020 : Reinforcing European presence in international ICT standardisation: Standardisation Observatory and Support Facility | CSA | 4 M€ | 9/07/2019 | 13/11/2019 |
| Activités de coopération internationales | | | | |
| ICT-58-2020 : International partnership building between European and African innovation hubs | IA | 10 M€ | 19/11/2019 | 22/04/2020 |
| ICT-58-2020 : International partnership building between European and African innovation hubs | CSA | 1 M€ | 19/11/2019 | 22/04/2020 |
| Soutien aux Hubs | | | | |
| DT-ICT-03-2020 : I4MS (phase 4) - uptake of digital game changers | CSA | 1 M€ | 9/07/2019 | 13/11/2019 |
| DT-ICT-03-2020 : I4MS (phase 4) - uptake of digital game changers | IA | 70 M€ | 9/07/2019 | 13/11/2019 |
| DT-ICT-04-2020 : Photonics Innovation Hubs | IA | 19 M€ | 19/11/2019 | 22/04/2020 |
| DT-ICT-05-2020 : Big Data Innovation Hubs | IA | 30,5 M€ | 9/07/2019 | 13/11/2019 |
| Plateformes et pilotes | | | | |
| DT-ICT-09-2020 : Boost rural economies through cross-sector digital service platforms | IA | 30 M€ | 19/11/2019 | 22/04/2020 |
| DT-ICT-12-2020 : AI for the smart hospital of the future | IA | 40 M€ | 19/11/2019 | 22/04/2020 |
| Cybersécurité | | | | |
| SU-ICT-02-2020 : Building blocks for resilience in evolving ICT systems | RIA | 47 M€ | 25/07/2019 | 19/11/2019 |