

**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€	03/07/2019	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		03/07/2019	12/12/19 (1ère étape) 14/05/20 (2ème étape)
DT-NMBP-06-2020: Open Innovation Test Beds for nano-pharmaceuticals production	IA		03/07/2019	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€	03/07/2019	12/12/19 (1ère étape) 14/05/20 (2ème étape)
NMBP-35-2020 : Towards harmonised characterisation protocols in NMBP	RIA	12 M€	03/07/2019	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	03/09/2019
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 €	03/07/2019	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	03/09/2019
NMBP-36-2020 : Monitoring and safety of transport infrastruc	CSA	2 M€	03/07/2019	05/02/2020
NMBP-37-2020 : Incentivising newcomers	CSA	1,5M€	03/07/2019	05/02/2020
NMBP-38-2020 : Citizens and industrial technologies	CSA	1,5M€	03/07/2019	05/02/2020

INDUSTRY COMMONS				
DT-NMBP-39-2020 : Towards Standardised Documentation of	CSA	4 M€	03/07/2019	05/02/2020 (une seule étape)
DT-NMBP-40-2020 : Creating an open market place for industr	RIA	4 M€	03/07/2019	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€	03/07/2019	05/02/2020
DT-FOF-09-2020: Energy-efficient manufacturing system management	IA		03/07/2019	05/02/2020
DT-FOF-10-2020: Pilot lines for large-part high-precision manufacturing	IA		03/07/2019	05/02/2020
DT-FOF-11-2020: Quality control in smart manufacturing	IA		03/07/2019	05/02/2020

Biotechnologies				
BIOTEC-02-2019: Boosting the efficiency of photosynthesis	RIA	31 M€	16/10/2018	22/01/2019 (1ère étape) puis 03/09/2019 (2ème étape)
BIOTEC-06-2020: Reprogrammed microorganisms for biological sensors	IA	56 M€	03/07/2019	12/12/19 (1ère étape) 14/05/20 (2ème étape)
BIOTEC-07-2020: Multi-omics for the optimisation of genotype-phenotype associations	RIA		03/07/2019	12/12/19 (1ère étape) 14/05/20 (2ème étape)
CE-BIOTEC-08-2020 : New biotechnologies to remediate harmful contaminants	RIA	10 M€	03/07/2019	15/04/2020 (1 seule étape)
CE-BIOTEC-09-2020 : Upcycling Bio Plastics of food and drinks packaging	RIA	20 M€	03/07/2019	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€	03/07/2019	12/12/19 (1ère étape) 14/05/20 (2ème étape)
DT-NMBP-23-2020: Next generation organ-on-chip	RIA	18 M€	03/07/2019	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€	03/07/2019	05/02/2020
DT-SPIRE-11-2020 : Artificial Intelligence and Big Data Technologies for Process Industries	CSA	600 k€	03/07/2019	05/02/2020
Energie propre à travers les matériaux innovants				
LC-NMBP-31-2020: Materials for off shore energy	IA	20 M€	03/07/2019	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€	03/07/2019	05/02/2020
LC-EEB-07-2020 : Smart Operation of Proactive Residential Buildings	IA		03/07/2019	05/02/2020
LC-EEB-08-2020 : Digital Building Twins	RIA		03/07/2019	05/02/2020

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Espace

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Observation de la terre				
DT-SPACE-01-EO-2018-2020 : Copernicus market uptake	IA	9 M€	05/11/2019	05/03/2020
LC-SPACE-18-EO-2020 : Copernicus evolution: Research activities in support of the evolution of the Copernicus services	RIA	10 M€	05/11/2019	05/03/2020
LC-SPACE-19-EO-2020 : Copernicus evolution: new concept for an innovative and holistic solution for Sentinels calibration & validation	CSA	3 M€	05/11/2019	05/03/2020
LC-SPACE-24-EO-2020 : Copernicus evolution: Mission exploitation concept for WATER	CSA	3 M€	05/11/2019	05/03/2020
Intelligence artificielle et espace				
DT-SPACE-25-EO-2020 : Big data technologies and Artificial Intelligence for Copernicus	RIA	10 M€	05/11/2019	05/03/2020
Commerce spatial, entrepreneuriat, vulgarisation et éducation				
DT-SPACE-26-BIZ-2020 : Space hubs (support to start-ups)	CSA	2 M€	05/11/2019	05/03/2020
Technologies spatiales, science et exploration				
SPACE-10-TEC-2018-2020 : Technologies for European non-dependence and competitiveness	RIA	14 M€	05/11/2019	05/03/2020
SPACE-27-TEC-2020 : SRC - Space robotics technologies	RIA	9 M€	05/11/2019	05/03/2020
SPACE-28-TEC-2020 : SRC - In-space electrical propulsion and station keeping - Incremental technologies	IA	24 M€	05/11/2019	05/03/2020
SPACE-29-TEC-2020 : Satellite communication technologies	RIA	9 M€	05/11/2019	05/03/2020
SPACE-30-SCI-2020 : Scientific data exploitation	RIA	9 M€	05/11/2019	05/03/2020
Sécurité et environnement spatial sûr				

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TIC

Titre	Type	Budget	Date d'ouverture	Date limite
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€	09/07/2019	13/11/2019
ICT-48-2020 : Towards a vibrant European network of AI excellence centres	CSA	2 M€	09/07/2019	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€	09/07/2019	16/01/2020
ICT-38-2020 : Artificial intelligence for manufacturing	CSA	1 M€	09/07/2019	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€	09/07/2019	16/01/2020
ICT-50-2020 : Software Technologies	RIA	29 M€	09/07/2019	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€	09/07/2019	16/01/2020
ICT-51-2020 : Big Data technologies and extreme-scale analytics	RIA	30 M€	09/07/2019	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€	09/07/2019	16/01/2020
ICT-42-2020 : 5G PPP – 5G core technologies innovation	CSA	1 M€	09/07/2019	16/01/2020
ICT-53-2020 : 5G PPP – 5G for Connected and Automated Mobility (CAM)	IA	30 M€	09/07/2019	13/11/2019
Next Generation Internet (NGI)				
ICT-54-2020 : Blockchain for the Next Generation Internet	RIA	20 M€	09/07/2019	16/01/2020
ICT-55-2020 : Interactive Technologies	IA	17 M€	09/07/2019	13/11/2019
ICT-56-2020 : Next Generation Internet of Things	RIA	46,5 M€	09/07/2019	16/01/2020
ICT-56-2020 : Next Generation Internet of Things	CSA	2 M€	09/07/2019	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€	09/07/2019	16/01/2020
ICT-44-2020 : Next Generation Media	CSA	2 M€	09/07/2019	16/01/2020
Activités transversales				
ICT-45-2020 : Reinforcing European presence in international ICT standardisation: Standardisation Observatory and Support Facility	CSA	4 M€	09/07/2019	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€	09/07/2019	13/11/2019
DT-ICT-03-2020 : I4MS (phase 4) - uptake of digital game changers	IA	70 M€	09/07/2019	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€	09/07/2019	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