

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

<a href="#">DT-NMBP-39-2020 : Towards Standardised Documentation of</a>	CSA	4 M€	3/07/2019	03/02/2020 (une seule étape)
<a href="#">DT-NMBP-40-2020 : Creating an open market place for industr</a>	RIA	4 M€	3/07/2019	12/12/19 (1ère étape) 14/05/20 (2ème étape)
<b>FACTORIES OF THE FUTURE (FOF)</b>				
<a href="#">DT-FOF-07-2020: Assembly of micro parts</a>	RIA	100 M€	3/07/2019	5/02/2020
<a href="#">DT-FOF-09-2020: Energy-efficient manufacturing system management</a>	IA		3/07/2019	5/02/2020
<a href="#">DT-FOF-10-2020: Pilot lines for large-part high-precision manufacturing</a>	IA		3/07/2019	5/02/2020
<a href="#">DT-FOF-11-2020: Quality control in smart manufacturing</a>	IA		3/07/2019	5/02/2020



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

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**Espace**

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

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**PRIMAUTE INDUSTRIELLE**

**TIC**

<b>Titre</b>	<b>Type</b>	<b>Budget</b>	<b>Date d'ouverture</b>	<b>Date limite</b>
<b>Intelligence artificielle et technologies pour numériser l'industrie et l'économie européennes</b>				
<a href="#">ICT-46-2020 : Robotics in Application Areas and Coordination &amp; Support</a>	RIA	41,5 M€	19/11/2019	22/04/2020
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<a href="#">ICT-46-2020 : Robotics in Application Areas and Coordination &amp; Support</a>	CSA	3 M€	19/11/2019	22/04/2020
<a href="#">ICT-47-2020 : Research and Innovation boosting promising robotics applications</a>	RIA	20 M€	19/11/2019	22/04/2020
<a href="#">ICT-49-2020 : Artificial Intelligence on demand platform</a>	IA	20 M€	19/11/2019	22/04/2020
<a href="#">ICT-38-2020 : Artificial intelligence for manufacturing</a>	RIA	47 M€	9/07/2019	16/01/2020
<a href="#">ICT-38-2020 : Artificial intelligence for manufacturing</a>	CSA	1 M€	9/07/2019	16/01/2020
<a href="#">ICT-36-2020 : Disruptive photonics technologies</a>	RIA	47,5 M€	19/11/2019	22/04/2020
<a href="#">ICT-37-2020 : Advancing photonics technologies and application driven photonics components and the innovation ecosystem</a>	IA	15 M€	19/11/2019	22/04/2020
<a href="#">ICT-37-2020 : Advancing photonics technologies and application driven photonics components and the innovation ecosystem</a>	RIA	29 M€	19/11/2019	22/04/2020
<a href="#">ICT-37-2020 : Advancing photonics technologies and application driven photonics components and the innovation ecosystem</a>	CSA	4 M€	19/11/2019	22/04/2020
<a href="#">ICT-50-2020 : Software Technologies</a>	CSA	1 M€	9/07/2019	16/01/2020
<a href="#">ICT-50-2020 : Software Technologies</a>	RIA	29 M€	9/07/2019	16/01/2020
<b>Infrastructures de données européennes : HPC, Big Data et technologies cloud</b>				
<a href="#">ICT-51-2020 : Big Data technologies and extreme-scale analytics</a>	CSA	1,5M€	9/07/2019	16/01/2020
<a href="#">ICT-51-2020 : Big Data technologies and extreme-scale analytics</a>	RIA	30 M€	9/07/2019	16/01/2020
<a href="#">ICT-40-2020 : Cloud Computing: towards a smart cloud computing continuum</a>	CSA	600 k€	19/11/2019	22/04/2020
<a href="#">ICT-40-2020 : Cloud Computing: towards a smart cloud computing continuum</a>	RIA	19,4 M€	19/11/2019	22/04/2020
<b>5G</b>				
<a href="#">ICT-52-2020 : 5G PPP – Smart Connectivity beyond 5G</a>	RIA	55 M€	19/11/2019	22/04/2020

<a href="#">ICT-41-2020 : 5G PPP – 5G innovations for verticals with third party services</a>	IA	49 M€	19/11/2019	22/04/2020
<a href="#">ICT-42-2020 : 5G PPP – 5G core technologies innovation</a>	IA	48 M€	9/07/2019	16/01/2020
<a href="#">ICT-42-2020 : 5G PPP – 5G core technologies innovation</a>	CSA	1 M€	9/07/2019	16/01/2020
<b>Next Generation Internet (NGI)</b>				
<a href="#">ICT-54-2020 : Blockchain for the Next Generation Internet</a>	RIA	20 M€	9/07/2019	16/01/2020
<a href="#">ICT-55-2020 : Interactive Technologies</a>	IA	17 M€	9/07/2019	13/11/2019
<a href="#">ICT-56-2020 : Next Generation Internet of Things</a>	RIA	46,5 M€	9/07/2019	16/01/2020
<a href="#">ICT-56-2020 : Next Generation Internet of Things</a>	CSA	2 M€	9/07/2019	16/01/2020
<a href="#">ICT-57-2020 : An empowering, inclusive Next Generation Internet</a>	RIA	7 M€	19/11/2019	22/04/2020
<a href="#">ICT-44-2020 : Next Generation Media</a>	IA	15,5 M€	9/07/2019	16/01/2020
<a href="#">ICT-44-2020 : Next Generation Media</a>	CSA	2 M€	9/07/2019	16/01/2020
<b>Activités transversales</b>				
<b>Activités de coopération internationales</b>				
<a href="#">ICT-58-2020 : International partnership building between European and African innovation hubs</a>	IA	10 M€	19/11/2019	22/04/2020
<a href="#">ICT-58-2020 : International partnership building between European and African innovation hubs</a>	CSA	1 M€	19/11/2019	22/04/2020
<b>Soutien aux Hubs</b>				
<a href="#">DT-ICT-04-2020 : Photonics Innovation Hubs</a>	IA	19 M€	19/11/2019	22/04/2020
<b>Plateformes et pilotes</b>				
<a href="#">DT-ICT-09-2020 : Boost rural economies through cross-sector digital service platforms</a>	IA	30 M€	19/11/2019	22/04/2020
<a href="#">DT-ICT-12-2020 : AI for the smart hospital of the future</a>	IA	40 M€	19/11/2019	22/04/2020
<b>Cybersécurité</b>				