

## Call for proposals 2020

Nanotechnologies, Advanced Materials, Biotechnology and Advanced Manufacturing and Processing

NCP contact: Gergely MÉSZÁROS

E-mail: [gergely.meszaros@nkfi.gov.hu](mailto:gergely.meszaros@nkfi.gov.hu), phone: +36 1 896 3741

Call	Topic ID	Topic description	Project type	Total budget (EUR)	Submission deadline
<b>Open Innovation Test Beds</b>	DT-NMBP-04-2020	Open Innovation Test Beds for nano-enabled bio-based materials	IA	111 500 000	12 Dec 2019 (First Stage) 14 May 2020 (Second Stage)
	DT-NMBP-05-2020	Open Innovation Test Beds for materials for building envelopes	IA		
	DT-NMBP-06-2020	Open Innovation Test Beds for nano-pharmaceuticals production	IA		
<b>Materials Characterisation and Computational Modelling</b>	DT-NMBP-11-2020	Open Innovation Platform for Materials Modelling	RIA	12 000 000	
	NMBP-35-2020	Towards harmonised characterisation protocols in NMBP	RIA	12 000 000	
<b>Governance, Science-Based Risk Assessment and Regulatory Aspects</b>	NMBP-16-2020	Safe by design, from science to regulation: multi-component nanomaterials	RIA	13 000 000	
	NMBP-36-2020	Monitoring and safety of transport infrastructures	CSA	2 000 000	05 Feb 2020
	NMBP-37-2020	Incentivising newcomers	CSA	1 500 000	
	NMBP-38-2020	Citizens and industrial technologies	CSA	1 500 000	
<b>Industry Commons</b>	DT-NMBP-39-2020	Towards Standardised Documentation of Data through taxonomies and ontologies	CSA	4 000 000	
	DT-NMBP-40-2020	Creating an open market place for industrial data	RIA	4 000 000	12 Dec 2019 (First Stage) 14 May 2020 (Second Stage)
<b>Factories of the Future (Fof)</b>	DT-FOF-07-2020	Assembly of micro parts	RIA	100 000 000	05 Feb 2020
	DT-FOF-09-2020	Energy-efficient manufacturing system management	IA		
	DT-FOF-10-2020	Pilot lines for large-part high-precision manufacturing	IA 50%		
	DT-FOF-11-2020	Quality control in smart manufacturing	IA		

Call	Topic ID	Topic description	Project type	Total budget (EUR)	Submission deadline
<b>Biotechnology</b>	BIOTEC-06-2020	Reprogrammed microorganisms for biological sensors	IA	56 000 000	12 Dec 2019 (First Stage) 14 May 2020 (Second Stage)
	BIOTEC-07-2020	Multi-omics for genotype-phenotype associations	RIA		
	CE-BIOTEC-08-2020	New biotechnologies to remediate harmful contaminants	RIA	10 000 000	15 Apr 2020
	CE-BIOTEC-09-2020	Upcycling Bio Plastics of food and drinks packaging	RIA	20 000 000	12 Dec 2019 (First Stage) 14 May 2020 (Second Stage)
<b>Medical Technology Innovations</b>	NMBP-21-2020	Biological scaffolds for tissue regeneration and repair	RIA	17 000 000	
	DT-NMBP-23-2020	Next generation organ-on-chip	RIA-LS	18 000 000	
<b>Sustainable Process Industry (Spire)</b>	LC-SPIRE-08-2020	Novel high performance materials and components	RIA	31 900 000	05 Feb 2020
	DT-SPIRE-11-2020	Artificial Intelligence and Big Data Technologies for Process Industries	CSA	600 000	
<b>Clean Energy Through Innovative Materials</b>	LC-SC3-RES-9-2020	Next generation of thin-film photovoltaic technologies (CROSS-CUTTING)	IA	SC3 WP	SC3 WP
	LC-NMBP-31-2020	Materials for off shore energy	IA	20 000 000	12 Dec 2019 (First Stage) 14 May 2020 (Second Stage)
<b>Energy-Efficient Buildings (Eeb)</b>	LC-EEB-04-2020	Industrialisation of building envelope kits for the renovation market	IA	52 500 000	05 Feb 2020
	LC-EEB-07-2020	Smart Operation of Proactive Residential Buildings	IA		
	LC-EEB-08-2020	Digital Building Twins	RIA		