

Thematische Workshops Material und Produktion

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WORKSHOP

Fragen an die ZuhörerInnen



- Was **erwarten** Sie sich vom Vortrag?
- Was sind die **größten Probleme** im H2020 für Sie?
(Zugang zu Konsortien, etc.,)
- Welche **Forschungsthemen** sind besonders interessant?

FUNDING RATES I

**Direct
Costs**

**Indirect
Costs**

Research and Innovation Actions (RIA)

CSAs, ERC etc.:

- **Funding rate: 100 %**
- **Indirect costs: 25 % flat rate**

i.e. 25 % of all direct costs except subcontracting + third parties' in-kind contribution not used on the beneficiaries premises

Direct Costs	Indirect Costs	Total	Funding rate	Funding
100 €	25 €	125 €	100 %	125 €

FUNDING RATES INNOVATION ACTIONS (IA)



**Direct
Costs**

**Indirect
Costs**

Innovation Actions (IA)

- **Funding rate:** **70 %** (for-profit org.)
100 % (non-profit org.)
- **Indirect costs:** **25 %** flat rate

Type of organisation	Direct costs	Indirect costs	Total	Funding rate	Funding
For-profit org.	100 €	25 €	125 €	70 %	87,5 €
Non profit org.	100 €	25 €	125 €	100 %	125 €

NMBP Work Programme



- **Draft WP** veröffentlicht:
<https://ec.europa.eu/programmes/horizon2020/en/what-work-programme>
- Call Start: **31.10.2017**
- ausgeschriebene Themenfelder wie bisher, jedoch neue „Topics“,
2018: **24 Topics - 522,5 Mio EUR**
- Deadlines, vorläufig:
 - einstufig 22 Feb 2018
 - 23 Jan 2018 (First Stage)
 - 28 Jun 2018 (Second Stage)
- Neu: OPEN INNOVATION TEST BEDS, 2018: **3 Topics - 97 Mio EUR**

OPEN INNOVATION TEST BEDS – NEU!



Bedarf: Industrie (inkl. KMUs) brauchen geeignete Einrichtungen (Test Beds), um innovative Ideen zu testen bzw. weiterzuentwickeln

Test Beds bieten **Kompetenzen & Infrastrukturen** an für z.B.:
Entwicklung, Up-Scaling, Testing, Characterisation, Modelling, Safety,

Anforderungen der Test Beds

- möglichst breiter Industrie-Zugang (inkl. KMU)
- “business case & exploitation strategy”
- bis 5 Jahre nach Förderende soll der Umsatz 4 mal höher sein als die Förderung, d.h. Test Beds sollen langfristig förderunabhängig sein

In 6 Technologiebereichen werden ca. **neue 20 Test Beds** geschaffen

Ziel: Entwicklung **von TRL 4 auf TRL 7**

OPEN INNOVATION TEST BEDS, preliminary Activities eligible for funding



- all activities **from the prototyping to the industrial production**, and especially the testing in industrial environment, the validation of the characteristics of the materials and the control of the respect of legal and regulatory constraints.
 - **upscaling and engineering** process, a number of **demonstration** cases and **dissemination** / link with other eco-systems.
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- Acquisition, installation and calibration of testing and upscaling equipment;
 - Testing of an upscaling facility, before opening the use to potential users;
 - Technology expertise;
 - Legal / regulatory expertise;
 - Modelling tasks;
 - Characterisation tasks;
 - Facilitation of access to funding for hubs customers;
 - Definition of access conditions;
 - Demonstration cases;
 - Visibility and dissemination activities;
 - Networking activities with other open innovation hubs and with pilot lines;
 - Networking with other relevant European, national or local eco-systems for technology development for materials.

OPEN INNOVATION TEST BEDS, preliminary Typical share of costs



This **belongs to the proposer**. The possible indication of the possible weight of the OPEN INNOVATION TEST BEDS activities is:

- **up to 60%** of the budgetary effort for the **development and integration of the technical innovation facilities** to be capable of providing open access services to users.
- **up to 45%** of the budgetary effort for '**demonstration cases**' with users.
- **up to 25%** of the budgetary effort to achieve **long-term sustainability** of the ecosystem and ensure appropriate **networking** and user guidance (covering the whole value chain), including access to any required horizontal services (modelling and simulation, characterisation and monitoring, safety, regulatory and business development). Also the inter-hub networking, as well as networking with local technology and innovation services should be ensured, creating a network.

2018 Topics 1/2



- DT-NMBP-01-2018: Open Innovation Test Beds for Lightweight, nano-enabled multifunctional composite materials and components (IA)
- DT-NMBP-02-2018: Open Innovation Test Beds for Safety Testing of Medical Technologies for Health (IA)
- DT-NMBP-07-2018: Open Innovation Test Beds for Characterisation (IA)
- DT-NMBP-09-2018: Accelerating the uptake of materials modelling software (IA)
- NMBP-13-2018: Risk Governance of nanotechnology (RIA)
- NMBP-14-2018: Nanoinformatics: from materials models to predictive toxicology and ecotoxicology (RIA)
- DT-FOF-01-2018: Skills needed for new Manufacturing jobs (CSA)
- DT-FOF-02-2018: Effective Industrial Human-Robot Collaboration (RIA)
- DT-FOF-03-2018: Innovative manufacturing of opto-electrical parts (RIA)
- DT-FOF-04-2018: Pilot lines for metal Additive Manufacturing (IA 50%)
- DT-NMBP-20-2018: A digital 'plug and produce' online equipment platform for manufacturing (IA)
- BIOTEC-01-2018: Standardisation in Synthetic Biology (CSA)
- BIOTEC-03-2018: Synthetic biology to expand diversity of nature's chemical production (RIA)
- CE-BIOTEC-04-2018: New biotechnologies for environmental remediation (RIA)

2018 Topics 2/2



- NMBP-22-2018: Osteoarticular tissues regeneration (RIA)
- CE-SPIRE-02-2018: Processing of material feedstock using non-conventional energy sources (IA)
- CE-SPIRE-03-2018: Energy and resource flexibility in highly energy intensive industries (IA 50%)
- CE-SPIRE-10-2018: Efficient recycling processes for plastic containing materials (IA)
- CE-NMBP-24-2018: Catalytic transformation of hydrocarbons (RIA)
- CE-NMBP-26-2018: Smart plastic materials with intrinsic recycling properties by design (RIA)
- LC-NMBP-30-2018: Materials for future highly performant electrified vehicle batteries (RIA)
- NMBP-33-2018: Innovative and affordable solutions for the preventive conservation of cultural heritage (IA)
- LC-EEB-02-2018: Building information modelling adapted to efficient renovation (RIA)
- LC-EEB-06-2018-20: ICT enabled, sustainable and affordable residential building construction, design to end of life (IA 50%)

Nanotechnologien, Werkstoffe und Produktion / NMP Österreichische Erfolge in weiten Bereichen



FFG

	FÖRDERUNG		
	ALLE STAATEN	ÖSTERREICH	ANTEIL ÖSTERREICH AN ALLE STAATEN
H2020	25.457.896.352	718.174.841	2,8%
Excellent Science	9.321.964.067	249.635.170	2,7%
Industrial Leadership	5.331.148.066	166.527.647	3,1%
Leadership in enabling and industrial technologies (LEIT)	5.218.819.868	164.724.345	3,2%
Information and Communication Technologies	3.175.560.298	104.489.797	3,3%
Nanotechnologies, Advanced Materials and Production	391.290.611	15.207.473	3,9%
Advanced materials	344.338.653	10.120.169	2,9%
Biotechnology	127.431.891	3.656.311	2,9%
Advanced manufacturing and processing	834.173.559	24.084.748	2,9%
Space	346.024.854	7.165.848	2,1%
Access to risk finance	8.551.174	0	0,0%
Innovation in SMEs	103.777.024	1.803.302	1,7%
Industrial Leadership - Cross-theme	0	0	-
Societal Challenges	9.502.008.549	280.942.288	3,0%
Spreading excellence and widening participation	314.188.248	4.095.442	1,3%
Science with and for Society	150.637.837	10.386.427	6,9%

Nanotechnologien, Werkstoffe und Produktion / NMP Performance Tirol



	EINREICHUNGEN			BEWILLIGUNGEN			
	BETEILIGUNGEN	FÖRDERUNG	KOORDINATIONEN	BETEILIGUNGEN	FÖRDERUNG	KOORDINATIONEN	ERFOLGSQUOTE
H2020	616	328.673.409	149	82	34.083.165	17	13,3%
Excellent Science	272	167.427.671	100	32	13.954.891	12	11,8%
Industrial Leadership	100	47.223.497	9	20	6.633.234	3	20,0%
Leadership in enabling and industrial technologies (LEIT)	92	46.388.272	9	15	6.384.747	3	16,3%
Information and Communication Technologies	43	15.342.936	4	10	4.082.852	2	23,3%
Nanotechnologies, Advanced Materials and Production	7	4.770.104	2	0	0	0	0,0%
Advanced materials	1	649.094	0	0	0	0	0,0%
Biotechnology	3	1.808.226	0	1	376.513	0	33,3%
Advanced manufacturing and processing	17	16.752.434	2	2	933.931	1	11,8%
Space	21	7.065.479	1	2	991.451	0	9,5%
Access to risk finance	0	0	0	0	0	0	-
Innovation in SMEs	8	835.225	0	5	248.487	0	62,5%
Industrial Leadership - Cross-theme	0	0	0	0	0	0	-
Societal Challenges	198	99.176.285	37	28	12.906.412	2	14,1%
Spreading excellence and widening participation	14	1.764.798	0	1	287.625	0	7,1%
Science with and for Society	9	3.697.975	2	0	0	0	0,0%

Erfahrungen - lessons learnt

- Als **Partner**
 - Hinterfragen Sie die Kompetenz des Koordinator (welche Ressourcen stehen zur Verfügung, Erfahrung, etc.)
- Als **Koordinator**
 - frühzeitiges Trennen von Partnern die keinen oder zu wenig Input liefern
 - Impact schon im wesentlichen durch Projektidee festgelegt = gleich zu Beginn der Projektausarbeitung
- Impact oft nicht mehr Problem, aber **Implementation**
- keine „me too“ Forschung, wirklich „zündende Projektideen“
- **Ziele des Programmes** verstanden? ZB. Säule 2 NMP – Stärkung der Wettbewerbsfähigkeit der Industrie, Jobs, ...=> muss sich auch im Projekt widerspiegeln
- Kommen Sie **JETZT** zur **Beratung** – Diskussion der Projektidee am Anfang kann sehr hilfreich sein

BEWERBEN SIE SICH ALS EVALUATOR/IN



<http://ec.europa.eu/research/participants/portal/desktop/en/experts/index.html>

Vorteile:

- bestes Training wie erfolgreiche Proposals gestaltet sein müssen
- frühzeitige Beobachtung von Sektoren-Entwicklungen
- Mitwirkung am zukünftigen F&E Projektportfolio der Kommission

A screenshot of the European Commission Research & Innovation Participant Portal, specifically the 'Experts' section. The browser window shows the URL 'http://ec.europa.eu/research/participants/portal/desktop/en/experts/index.html'. The page features the European Commission logo and the title 'RESEARCH & INNOVATION Participant Portal'. A navigation bar includes links for HOME, FUNDING OPPORTUNITIES, HOW TO PARTICIPATE, EXPERTS (highlighted with a red circle), and SUPPORT. Below the navigation bar, there is a 'News' section with a headline about the H2020 call for expression for interest for experts (11/2013). To the right, there is a 'New experts' section with a sub-header 'Who can be an expert?' and a list of criteria: having high-level expertise, being available for occasional assignments, and having a relevant field of expertise. Further right, there is a 'What do expert assignments involve?' section with a list of tasks: evaluation of proposals, monitoring of actions, preparation, implementation or evaluation of programmes and design of policies. At the bottom, there is a 'Quick Links' section with links to FAQ for Experts, Expert recommendations, Map of evaluation area, and Info on hotels. The page also includes a search bar, a login/register button, and a language selector set to English.

Wichtige „www-Links“

Participant Portal

<http://ec.europa.eu/research/participants/portal>

Experts / EvaluatorInnen

<http://ec.europa.eu/research/participants/portal/desktop/en/experts/index.html>

Österreichische Ergebnisse im H2020

<https://eupm-portal.ffg.at/ui/login/>

FFG H2020 Website

<https://www.ffg.at/Europa/Horizon2020>

RP7, H2020 geförderte Projekte

http://cordis.europa.eu/projects/home_en.html

mit Stichwortsuche

DANKE für Ihre Aufmerksamkeit!