

Public funding available for SMEs & innovative projects

Mon 26 March 2018

Czech Technical University in Prague

Course: Innovations and technology transfer
– a market value of novel technologies

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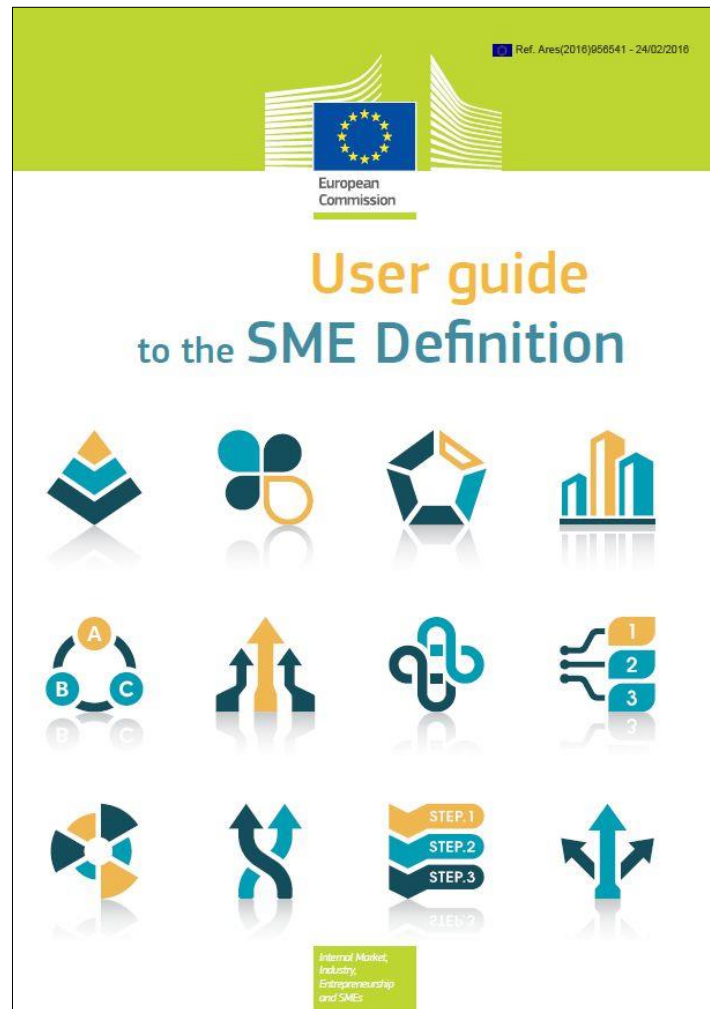
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What are SMEs?

= micro, small and medium-sized enterprises

SMEs

- are for-profit legal entities
- represent 99% of all businesses in the EU
- have created around 85% of new jobs and provided two-thirds of the total private sector employment in the EU in the past 5y
- are defined in the EU recommendation 2003/361
- <http://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX:32003H0361>



What are SMEs?

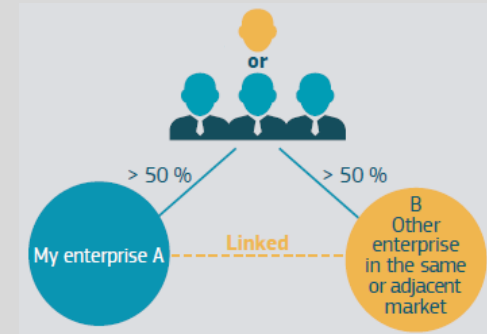
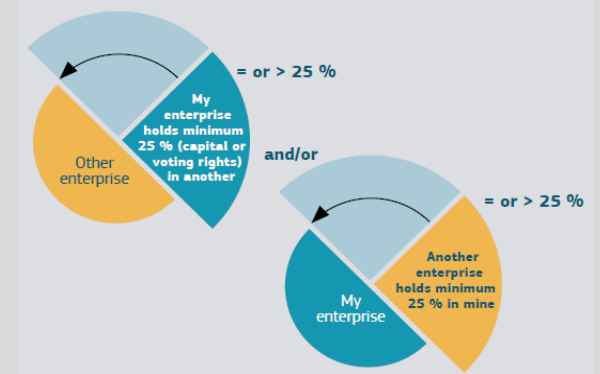
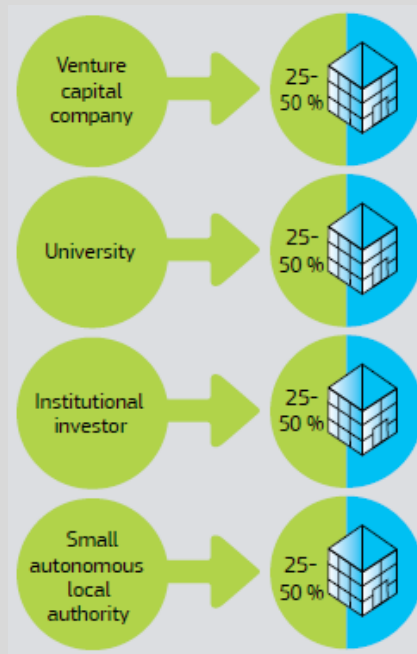
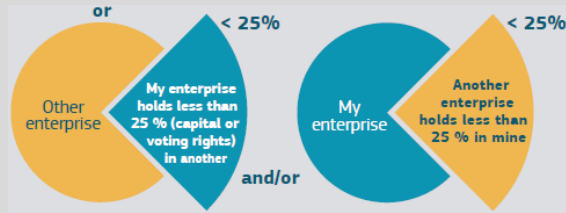
= micro, small and medium-sized enterprises

Company category	Staff headcount	Turnover	Balance sheet total
Micro	2–9	≤ 2 M €	≤ 2 M €
Small	10–49	≤ 10 M €	≤ 10 M €
Medium-sized	50–249	≤ 50 M €	≤ 43 M €

These ceilings apply to the figures for individual enterprises only. An enterprise that is part of a larger group may need to include staff headcount/turnover/balance sheet data from that group too.

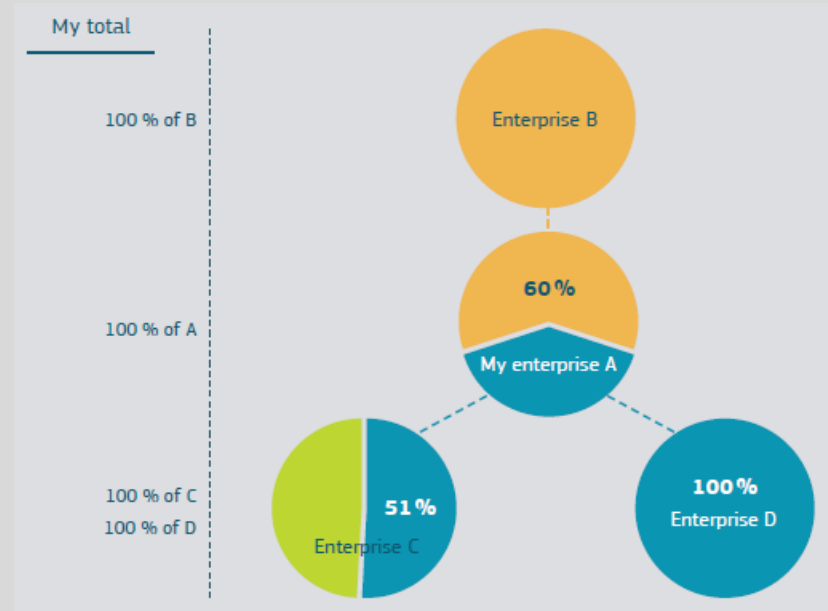
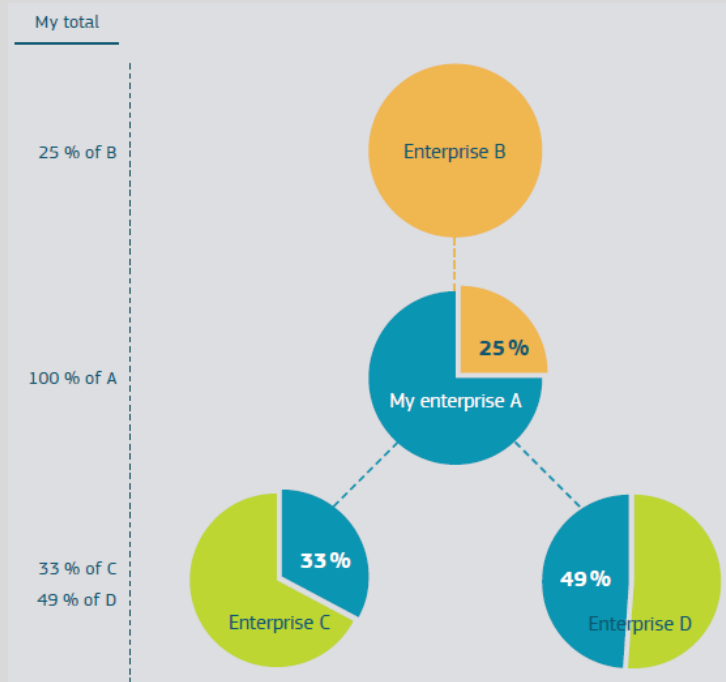
http://ec.europa.eu/growth/smes_is

Autonomous / Partner / Linked enterprises



<http://ec.europa.eu/DocsRoom/documents/15582/attachments/1/translations>

Partner / Linked enterprises



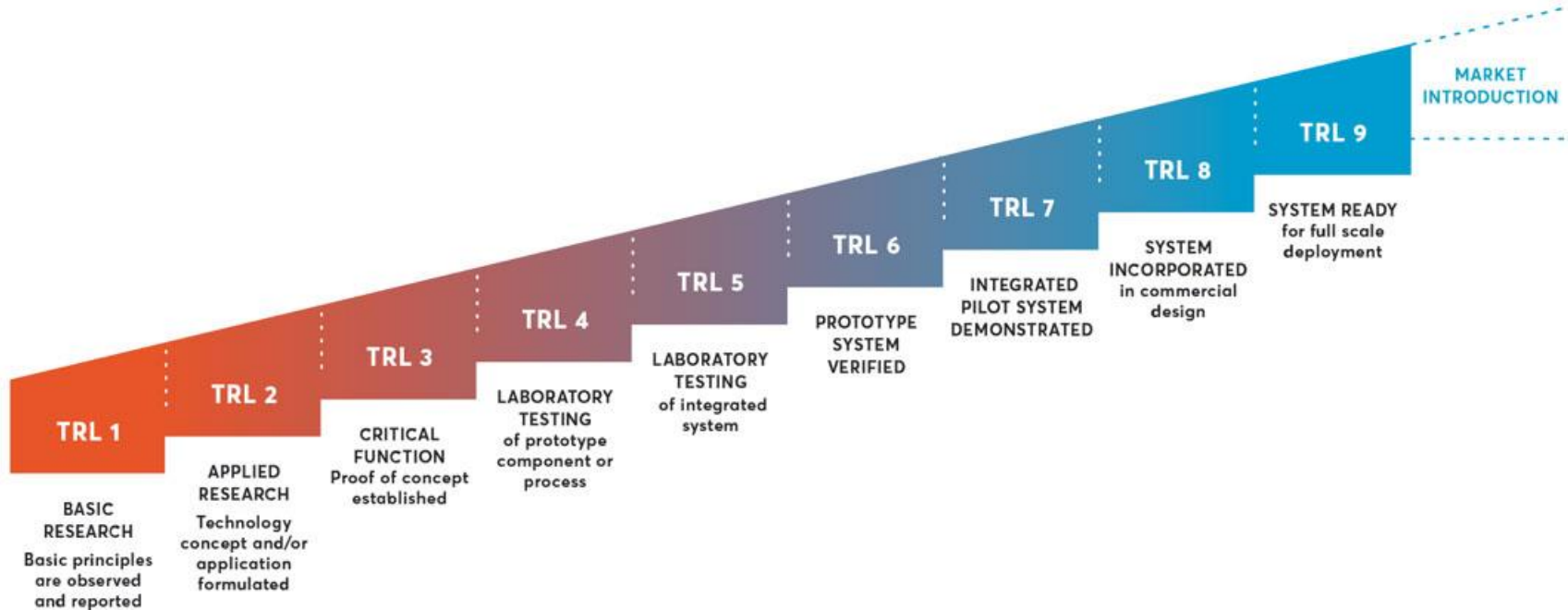
<http://ec.europa.eu/DocsRoom/documents/15582/attachments/1/translations>

What are your needs of funding?



Technical Readiness Level

= the metric to assess the maturity of a technology



<http://climateinnovationwindow.eu/what-trl>

Level	TRL 1	TRL 2	TRL 3	TRL 4	TRL 5	TRL 6	TRL 7	TRL 8	TRL 9
Science & Engineering	Basic Idea	Concept Developed	Experimental Proof of Concept	Lab Demonstration	Lab scale validation (early prototype)	Prototype demonstration	Capability validated on economic runs	Capability validated over range of parts	Capability validated on full range of parts over long periods
							Pilot system demonstrated	System incorporated in commercial design	Proven system ready for full deployment
				Component and/or system validation in laboratory environment	Laboratory scale, similar system validation in relevant environment	Engineering/pilot-scale, similar (prototypical) system validation in relevant environment	Full-scale, similar (prototypical) system demonstrated in relevant environment	Actual system completed and qualified through test and demonstration	Actual system operated over the full range of expected mission conditions
Software			Software to test and evaluate basic concepts on simple model problems representative of final need.	Escalate model to more realistic representation of industrial system. Confirm basic formulation.	Model contains all major elements of need. Solve industrial strength problems by code developers OR achieve functionality by expert users. Document performance. GUI.	No specialist intervention required from programmers/developers. This includes basic GUI interface. If required, programming to be according to ISO standards.	Install, run and evaluate software in actual goal environment (e.g. prospective client's computers). Demonstrate use by clients	Evaluation done by target representative clients on representative hardware platforms. Complete GUIs, users manuals, training, software support etc. Typical user driven "bug hunting"	Product proven ready through successful operations in operating environment.
Medical Science	Basic Research		Preclinical Research		Late Preclinical Research	Phase I Trials	Phase II Trials	Phase III Trials	Phase IV Trials
Phase	Research			Translation/Development				Commercialisation	



Types of public funding

- **Grants:** are awarded to organisations or individuals to carry out projects that further its policies. Grants are awarded in many different fields, from research to education to humanitarian aid. The EU rarely finances projects up to 100%. Rather, grants are a form of complementary financing, and the beneficiary organisation will also put up a percentage of the funding for their project.
- **Loans, guarantees & equity:** are forms of financial assistance to support EU policies and programmes. For example, the EU provides loans to businesses of all types for investment in research and innovation. It also provides guarantees to help beneficiaries to obtain loans more easily or at better conditions from banks and other lenders. The EU may also financially participate in a project by owning parts of it.
- **Subsidies:** are managed directly by EU national governments to support individual target groups
- **Prizes:** Prizes are rewards to winners of contests. The winner of a contest will receive cash, publicity coverage or promotion as reward.
- **Public contracts:** are used to buy services, works and goods from the market for internal use of the EU. They are selected via calls for tenders and not considered a form of EU funding.



Research & innovation topics

(1) Animal welfare, plant health, public health and food safety; (2) Agriculture and rural development; (3) Bank and financial services; (4) Business and industry; (5) Climate action; (6) Competition; (7) Communication, audiovisual services; (8) Consumer and public health; (9) Culture and media; (10) Development and cooperation; (11) Digital society and economy; (12) Economy and financial affairs; (13) Energy; (14) Environment; (15) Education; (16) Employment, social affairs and inclusion; (17) Europe for citizens; (18) European neighbourhood policy and enlargement; (19) Fight against fraud (Hercule programmes); (20) Humanitarian aid; (21) Horizon 2020; (21) International development cooperation; (22) Interpretation, conference organisation; (23) Justice; (24) Maritime affairs and fisheries; (25) Media; (26) Migration and home affairs; (27) Regional policy; (28) Statistics (Eurostat); (29) Sustainable development (eco-innovation); (30) Taxation and customs; (31) Technical support provided by the Structural Reform Support Service; (32) Youth



Funding programmes

(1) Aid programme for the Turkish Cypriot community; (2) Asylum and Migration Fund; (3) Civil Protection and European Emergency Response Centre (ERC); (4) Civil protection mechanism; (5) Cohesion fund; (6) Common foreign and security policy (CFSP); (7) Competitiveness of enterprises and SMEs (COSME); (8) Connecting Europe Facility; (9) Consumer protection; (10) Creative Europe; (11) Customs, fiscalis, and anti-fraud; (12) Education, training, youth and sport (Erasmus +); (13) Environment and climate action (LIFE); (14) Europe for citizens; (15) European Agricultural Fund for Rural Development (EAFRD); (16) European Agricultural Guarantee Fund (EAGF) — Market related expenditure and direct payments; (17) European earth observation programme (Copernicus); (18) European Globalisation Adjustment Fund (EGF); (19) European instrument for democracy and human rights (EIDHR); (20) European Maritime and Fisheries Fund; (21) European neighbourhood instrument (ENI); (22) European Regional Development Fund; (23) European satellite navigation systems (EGNOS and Galileo); (24) European Social Fund (ESF); (25) European Structural and Investment Funds; (26) European Union programme for employment and social innovation; (27) European Union Solidarity Fund; (28) European voluntary humanitarian aid corps EU aid volunteers (EUAV); (29) Food and feed; (30) Fund for European Aid to the Most Deprived (FEAD); (31) Guarantee fund for external actions; (32) Health for growth; (33) Horizon 2020; (34) Humanitarian aid; (35) Instrument for emergency support within the Union; (36) Instrument for Greenland; (37) Instrument for nuclear safety cooperation (INSC); (38) Instrument for pre-accession assistance (IPA II); (39) Instrument for stability (IfS) now called: Instrument contributing to stability and peace (IcSP); (40) Internal Security Fund; (41) International thermonuclear experimental reactor (ITER), (42) Interoperability solutions and common frameworks for European public administrations, businesses and citizens (ISA2); (43) Investment plan for Europe; (44) IT systems; (45) Justice; (46) Partnership instrument (PI); (47) Research Fund for Coal and Steel (RFCS); (48) Rights, equality and citizenship; (49) Structural Reform Support Programme (SRSP); (50) Territorial cooperation; (51) Youth employment initiative

https://ec.europa.eu/info/funding-tenders/funding-opportunities/funding-programmes/overview-funding-programmes_en

Eligibility for funding



INTER-EXCELLENCE

T A
Č R



MINISTERSTVO
PRŮMYSLU A OBCHODU



MINISTERSTVO ŠKOLSTVÍ,
MLÁDEŽE A TĚLOVÝCHOVY



MINISTERSTVO ZEMĚDĚLSTVÍ



MINISTERSTVO ZDRAVOTNICTVÍ
ČESKÉ REPUBLIKY



Project Management (PM)

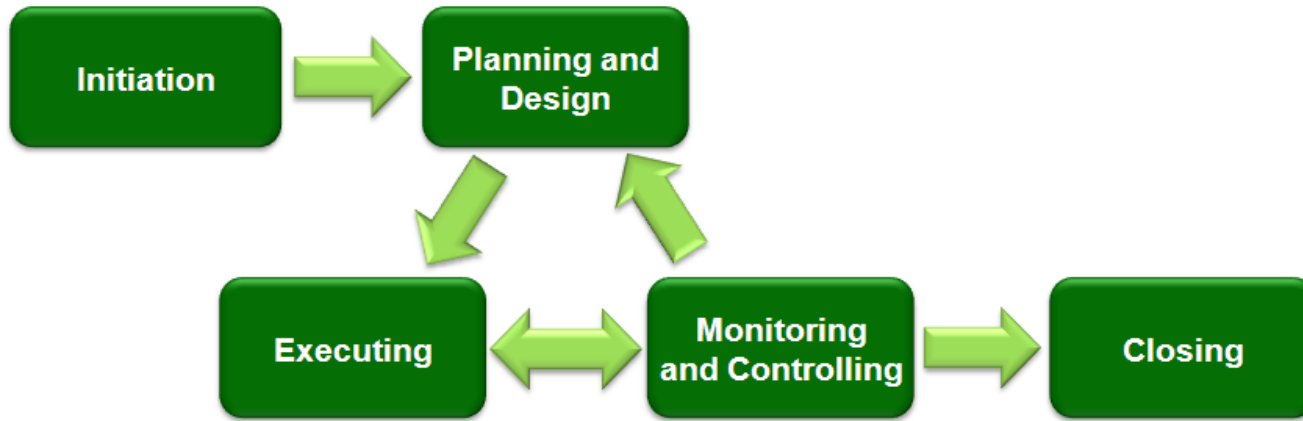
is a discipline of initiating, planning, executing, controlling and closing the work of a team to achieve specific goals and meet specific success criteria within a specified time.

Each (research) project is **temporary and unique**.



Project management (PM)

- **PM knowledge:** (1) Integration, (2) Scope, (3) Time, (4) Cost, (5) Quality, (6) Procurement, (7) Human resources, (8) Communications, (9) Risk management, (10) Stakeholder management
- **PM processes:** (1) Initiating, (2) Planning and Design, (3) Executing, (4) Monitoring and Controlling, (5) Closing



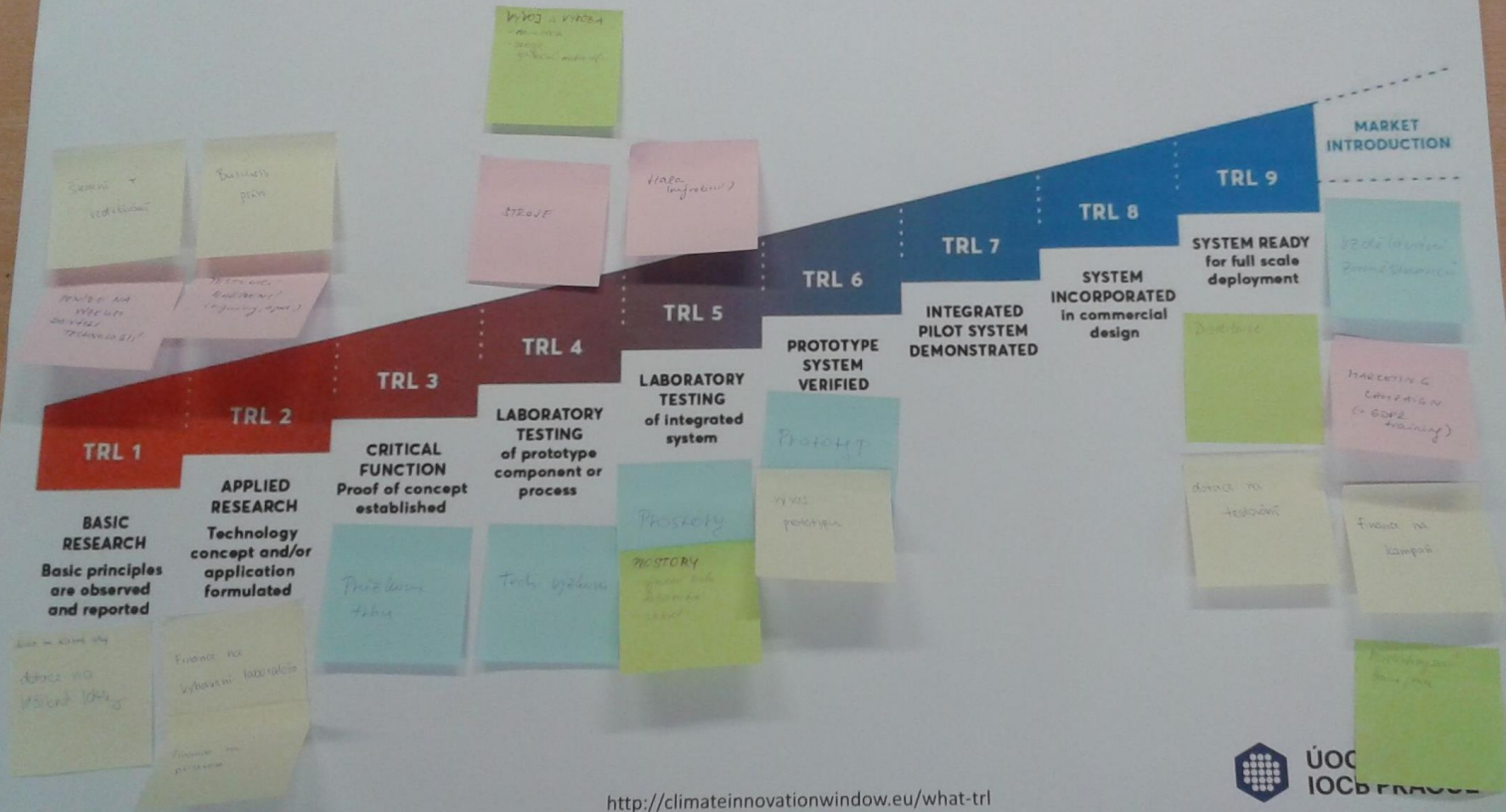
Project management (PM)

- PM monitors & analyses new opportunities and challenges
- PM has detailed knowledge of guidelines, rules and conditions
- PM shares information & know-how via individual consulting & discussion
- PM helps with grant proposals & required documents preparation
- PM provides complex project management services from A to Z
- PM primary constraints are scope, time, budget and quality

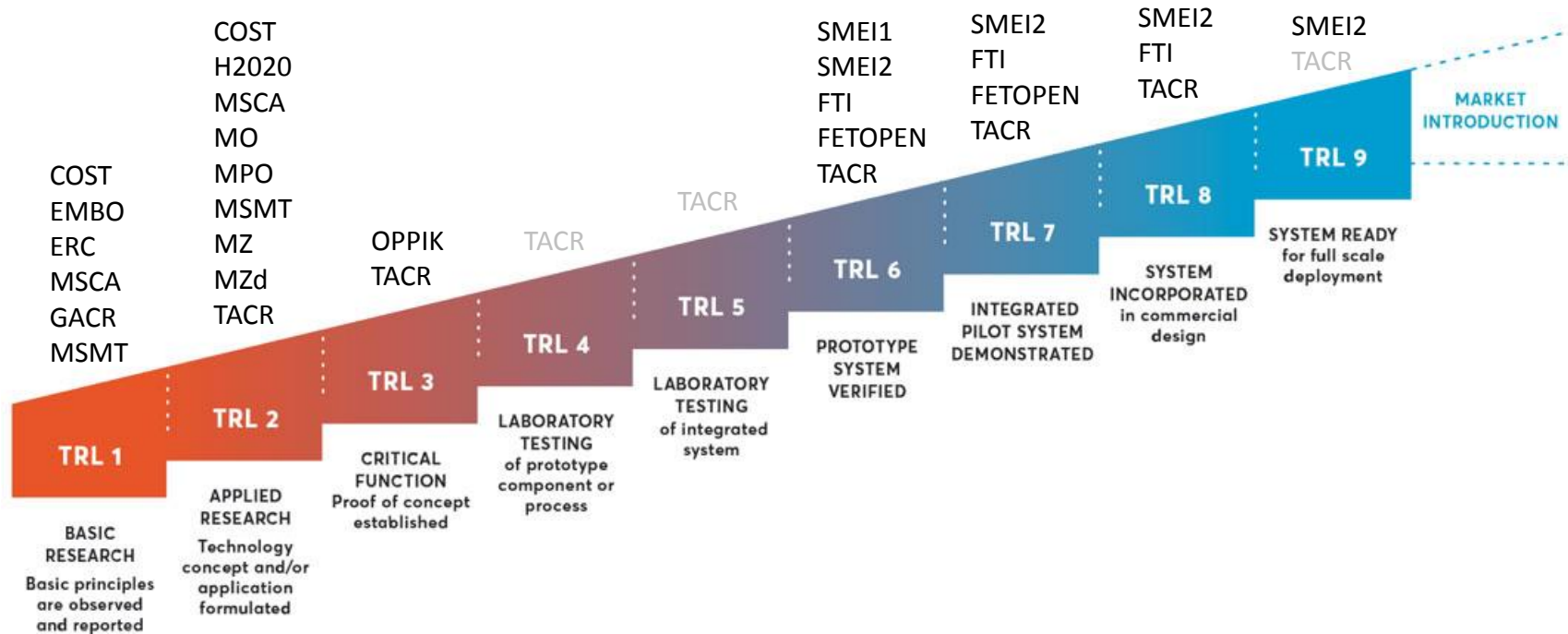


https://en.wikipedia.org/wiki/Project_management

Technical Readiness Level = the metric to assess the maturity of a technology



Possible public funding



<http://climateinnovationwindow.eu/what-trl>

Possible public funding of your innovations



- Basic research (TRL1): GACR, INTER-COST...
- Applied research (TRL2): ZETA, THETA, EPSILON, DELTA, FETOPEN...
- Business plan (TRL3/6): OPPIK PoC, SMEI1...
- Start-up (TRL3): OPPIK PoC...
- Market search (TRL3-8): SMEI1...
- Prototype development (TRL6): GAMA, SMEI2, FTI...
- Testing & validation (TRL6/8): SMEI2, FTI...
- Market replication (TRL6/8): SMEI2, FTI...
- Production: -
- Marketing/Distribution: -

- Salaries: INTER-COST, MSCA, ZETA, THETA, EPSILON, DELTA, FETOPEN, OPPIK PoC, GAMA, SMEI2, FTI...
- Chemicals/material: GACR, INTER-COST, MSCA, EPSILON, FETOPEN, OPPIK PoC, GAMA, SMEI2, FTI...
- Laboratory equipment: GACR, INTER-COST, MSCA, EPSILON, FETOPEN, OPPIK PoC, GAMA, SMEI2, FTI...
- Investments: INTER-COST, EPSILON, OPPIK PoC...
- Buildings & production halls: -
- Education of employees: Erasmus, MSCA, COST...
- Cooperation with partners: COST, DELTA, INTER-ACTION, FETOPEN...

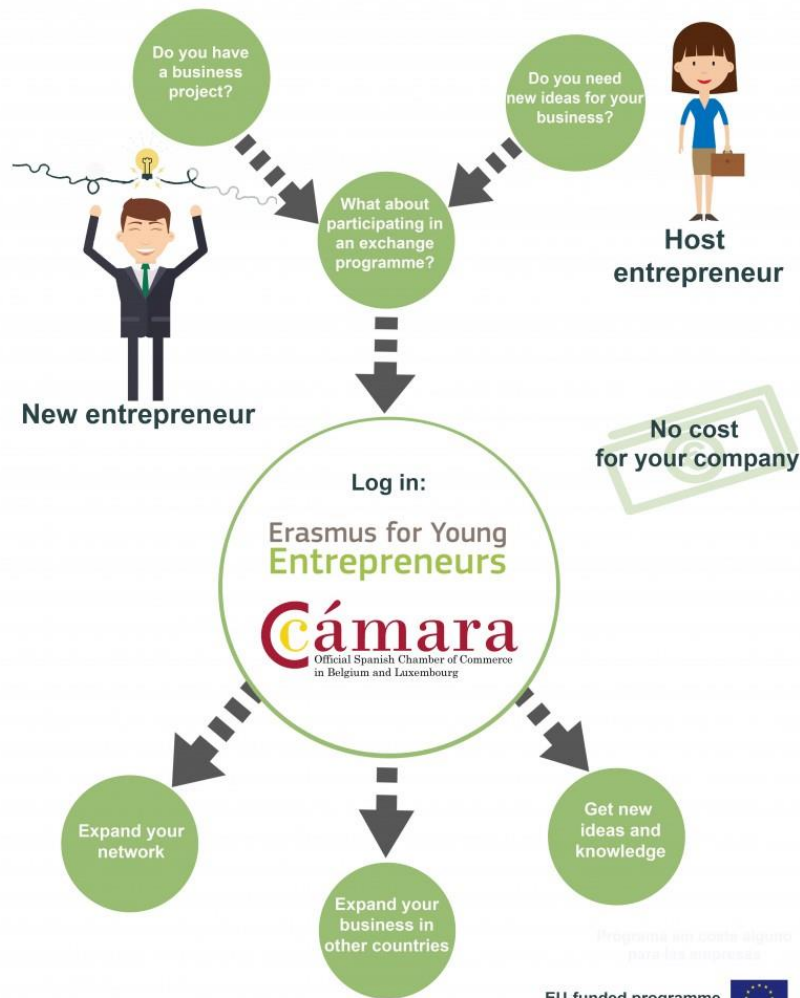


Call info	helps new entrepreneurs to acquire relevant skills for managing a SME by spending time in an enterprise in another EU country; contributes to improve know-how and fosters cross-border transfers of knowledge and experience
Focused on	(1) On-the-job-training for new entrepreneurs in SMEs elsewhere in the EU in order to facilitate a successful start and development of business ideas; (2) Exchanges of experience and information between entrepreneurs on obstacles and challenges to starting up and developing their businesses; (3) To enhance market access and identification of potential partners for new and established businesses in other EU countries; (4) Networking by building on knowledge and experience from other European countries.
PI & Organisation	(1) new entrepreneurs (NE) who might want to go abroad to learn from experienced entrepreneurs; (2) experienced entrepreneurs (HE) who might want to host new entrepreneurs; (3) providers of business-related services who support entrepreneurs and the development of entrepreneurship
Expected outputs	a final report from the NE describing the activities/work performed, the skills and knowledge acquired and learned; a brief report from the HE on “what has been achieved” and “what should be done better next time”
Deadline	throughout the year
Project duration	1–6 months
Financial support	travel costs, monthly financial assistance: Albania 530 €, Austria 900 €, Belgium 830 €, Bulgaria 560 €, Czech Republic 610 €, Croatia 720 €, Cyprus 780 €, Denmark 1100 €, Germany 830 €, Estonia 670 €, France 900 €, Finland 950 €, Greece 780 €, Iceland 900 €, Ireland 1000 €, Italy 900 €, Latvia 610 €, Lithuania 560 €, Luxembourg 830 €, Hungary 670 €, Macedonia 560 €, Malta 720 €, Moldova 530 €, Montenegro 560 €, Netherlands 830 €, Poland 610 €, Portugal 780 €, Romania 560 €, Serbia 560 €, Slovenia 720 €, Slovakia 610 €, Spain 830 €, Sweden 950 €, Turkey 750 €, United Kingdom 1000 € Outermost Regions and OCTs 1100 €, entrepreneurs with disabilities 1100 €
www	www.erasmus-entrepreneurs.eu https://europa.eu/youreurope/business/funding-grants/erasmus/index_en.htm



Czech local contact points

- **Hospodarska komora České republiky**
Na Florenci 2116/15, 110 00 Praha 1
Andrea Hujová
+420 266 721 553, office@komora.cz
www.komora.cz
- **Bohemia EU Planners**
Sazovická 492/5, 155 21 Prague
Vendulka Raymova
+420 739 356 856
raymova@bohemiaeuplanners.eu
www.bohemiaeuplanners.eu





Call info	COST aims to enable breakthrough scientific developments leading to new concepts, services and products; encourages and fosters trans-, multi- and interdisciplinary approaches by integrating researchers, engineers and scholars from different fields COST Actions are: pan-European, bottom-up, open, unique, multi-, inter- and transdisciplinary, output & impact-oriented
Focused on	Networking: meetings, workshops, conferences, training schools, short term scientific missions, dissemination activities; Strengthening Europe's research and innovation capacities
PI & Organisation	Consortium of at least 7 institutions (research organisations, universities, SMEs , research infrastructures, public authorities, private legal entities, NGOs, foundations...) from at least 7 COST Member States
Expected outputs	interdisciplinary bottom-up networks; new ideas, initiatives, concepts, services, products
Deadline	Fri 20 Apr 2018 12:00 Brussels time
Evaluation	Single-round evaluation; Excellence, Impact, Implementation
Project duration	48 months (4 years)
Project budget	~ 516 000 EUR (average annual budget of 129 000 EUR)
Reimbursement	100%
Mode of funding	ex-ante (50% after signature of the Grant Agreement) & ex-post (35% after submission of financial report month 8) & 15%
Success rate	15%
Eligible costs	personnel costs, travel expenses, accommodation, equipment, goods & services, fees...
www	www.cost.eu



INTER-EXCELLENCE
COST

MSMT: INTER-COST

TRL1 >> TRL2

Call info	INTER-COST aims to support participation of Czech research groups in international running or newly established COST Actions in basic research, industrial research and experimental development.
Focused on	basic research, industrial research and experimental development
PI & Organisation	research organisations, universities, SMEs based in the Czech Republic; researchers involved in a COST Action
Expected outputs	(J) reviewed specialist article; (F) utility model, industrial model; (G) prototype, functional sample; (P) patent; (R) software; (Z) trial operation, verified technology, variety, breed
Deadline	next call will be announced in Autumn 2018
Evaluation	One step: Proposal; Science excellence, Impact, Implementation
Project duration	20–43 months (2–3.5 years)
Project budget	not specified
Reimbursement	research institutions: 100% basic research; 100% industrial research; 100% experimental development SMEs: 100% basic research; 50% industrial research; 25% experimental development
Mode of funding	ex-ante (payment within 60 calendar days from signing the agreement or within 60 calendar days from 1 January)
Success rate	58.4 % (2017)
Eligible costs	personnel costs, travel expenses & accommodation & meal, goods & services, open access, publishing expenses, outsourcing (subcontracting max 10 %), depreciation of fixed assets (odpisy DHM & DNM), fees, indirect costs (overheads max 25%)
www	www.msmt.cz/vyzkum-a-vyvoj-2/inter-excellence www.msmt.cz/vyzkum-a-vyvoj-2/inter-cost www.cost.eu



Call info	The RISE promotes international and cross-sector collaboration through exchanging research and innovation staff, and sharing knowledge and ideas from research to market and vice-versa. The scheme fosters a shared culture of R&I that welcomes and rewards creativity and entrepreneurship and helps to turn creative ideas into innovative products or services.
Focused on	International & cross-sector collaboration through the exchange of research and innovation staff; networking, career develop
PI & Organisation	Consortium of at least 3 (usually 6–9) independent legal entities (academic: research organisations, universities, EIROForum and non-academic institutions: SMEs, NGOs) from at least 3 different countries; senior & junior researchers
Expected outputs	Implementation of proposed R&I actions; research, innovation, training and networking activities, organisation of workshops, conferences, sharing of knowledge, new skills acquisition, career development for R&I staff members
Deadline	March 2019
Evaluation	Single-stage evaluation process; Excellence (50%), Impact (30%), Implementation (20%)
Project duration	up to 48 months (4 years from the starting date set out in the grant agreement) Max 540 person-months (PM); 1–12 months per secondment per person (1 FTE); max 12 secondments per person
Project budget	up to 2 484 000 EUR (540 PM), max 4600 EUR for each person-month of secondment (2100 EUR top-up allowance staff member unit costs & 1800 EUR research, training & networking costs & 700 EUR management & indirect costs)
Reimbursement	100%
Mode of funding	ex-ante / ex-post
Success rate	25% (2017), 29% (2014–2017)
Eligible costs	staff member unit costs = travel, accommodation and subsistence costs during the secondment; laboratory equipment, goods & services, participation to conferences, workshops, networking activities, overheads max 700 EUR per person-month
www	http://ec.europa.eu/research/mariecurieactions/



Digital innovations

TRL2



ECSEL Joint Undertaking

Electronic Components and Systems for European Leadership

MEMBERS



Participate ▾

Events

Media ▾

About ▾

Documents

Contact

Calls in 2018

 ALL CALLS

Calls in 2018

ECSEL JU opens 4 concurrent Calls in 2018 (1 for ECSEL-IA, 1 for ECSEL-RIA and 2 for ECSEL-CSA type of actions). The ECSEL-CSA actions are related to the 2 Lighthouse Initiatives adopted in 2017

- H2020-ECSEL-2018-1-IA-two-stage - Innovation Actions (IA)
- H2020-ECSEL-2018-2-RIA-two-stage - Research and Innovation Actions (RIA)
- H2020-ECSEL-2018-3-CSA-Industry4.E-one-stage- Coordination and Support Action for Industry 4.E Lighthouse Initiative (CSA)
- H2020-ECSEL-2018-4-CSA-Mobility4.E-one-stage- Coordination and Support Action for Mobility4.E Lighthouse Initiative (CSA)

- CALLS IN 2018
- CALL DOCUMENTS
- UPDATES
- DEADLINES
- GENERAL CALLS INFORMATION
- BUDGET
- GUIDELINES

<https://www.ecsel.eu/calls/calls-2018>
<http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/calls/h2020-ecsel-2018-1-ia-two-stage.html>



ZETA PROGRAMME

TRL2

Call info	supports cooperation in applied research between the academia and companies by putting together students of MA and doctorate study programmes at universities and young research workers aged up to 35
Focused on	applied research
PI & Organisation	Master & PhD students at universities, young researchers up to 35 in enterprises Application Guarantor (AG) = legal entity interested in applying and using the planned outcomes of the R&D in practice
Expected outputs	(Z) Pilot operation, verified technology, variety, breed; (F) Results with legal protection - utility model, industrial design; (G) Technically realized results - prototype, functional sample; (N) Certified methodologies and practices, treatment, conservation methods, specialized maps with expert content; (R) Software; (O) Other results
Deadline	call 02 will be announced in September 2018
Evaluation	One step: Proposal; Gender diversity (40%), Market potential (10%), Human resources (10%), Evaluation points (40%)
Project duration	12–24 months (1–2 years)
Project budget	up to 5 M CZK (85%), 5 882 352 CZK (100%)
Reimbursement	85%
Mode of funding	ex-ante
Success rate	50.85% (2017, 236 applications, 120 funded projects, ? M CZK)
Eligible costs	Personnel costs, other direct costs, indirect costs (max 20% personnel + other direct cost)
www	https://www.tacr.cz/index.php/en/programmes/zeta-programme.html



THETA PROGRAMME

TRL2

Call info	Sub-programme 1: improvement of the management of the energy sector from the side of the public administration Sub-programme 2: fulfilling the vision of transformation and modernization of the energy sector Sub-programme 3: long-term technology perspectives in the energy sector
Focused on	applied research, experimental development and innovation in the energy sector
PI & Organisation	Enterprises , research organisations Application Guarantor (AG) = legal entity interested in applying and using the planned outcomes of the R&D in practice
Expected outputs	(P) Patent; (Z) Pilot operation, verified technology, variety, breed; (F) Results with legal protection - utility model, industrial design; (G) Technically realized results - prototype, functional sample; (N) Certified methodologies and practices, treatment, conservation methods, specialized maps with expert content; (R) Software; (O) Other results
Deadline	call 02 will be announced in October 2018
Evaluation	One step: Proposal (evaluated by Reviewers, Area panel, Programme board); 7 basic evaluation criteria
Project duration	12–48 months (1–4 years, sub-programmes 1&2), => 31 Aug 2022 36–91 months (3–8 years, sub-programme 3), => 31 Dec 2025
Project budget	not specified
Reimbursement	90% (sub-programmes 1&3), 60% (sub-programme 2)
Mode of funding	ex-ante
Success rate	88.24% (2018, 102 applications, 90 funded projects, ? M CZK)
Eligible costs	Personnel costs, subcontracting, other direct costs, indirect costs (max 20% personnel + other direct cost)
www	https://www.tacr.cz/index.php/en/programmes/theta-programme.html



EPSILON PROGRAMME

TRL2 >> TRL3

Call info	supports ApR & ExD, expected results have a high potential for rapid application in new products/services in priority areas: 1) Competitive knowledge-based economy , 2) Sustainability of energy & material resources, 3) Environment for life quality
Focused on	applied research (ApR) and experimental development (ExD)
PI & Organisation	PI is a SME , enterprise, research organisation or university in the Usti, Karlovy Vary and Moravian-Silesian Region Application Guarantor (AG) = legal entity interested in applying and using the planned outcomes of the R&D in practice
Expected outputs	(P) patents; (G) technically realized results - prototype, functional sample; (Z) pilot plant, verified technology; (R) software; (F) results with legal protection - utility model, industrial design; (N) certified methodologies and practices, treatment...
Deadline	Thu 12 Apr 2018 16:30 / 23:59 call 04
Evaluation	One step: Proposal; Implementation, Results, Objectives, Incentive effect
Project duration	max 48 months ; Mon 01 Oct 2018 / Fri 01 Mar 2019 => Tue 28 Feb 2023
Project budget	not specified
Reimbursement	60% ; Research organisations (RO): 100% ApR, 100% ApR with RO, 100% ExD, 100% ExD with RO Small enterprises: 70% ApR, 80% ApR with RO, 45% ExD, 60% ExD with RO Medium-sized enterprises: 60% ApR, 75% ApR with RO, 35% ExD, 50% ExD with RO Large enterprises: 50% ApR, 65% Apr with RO, 25% ExD, 40% ExD with RO
Mode of funding	ex-ante
Success rate	63.28% (81/128 P1), 84.62% (44/52 P2), 64.10% (50/78 P3) in EPSILON 03
Eligible costs	Personnel costs; instruments & equipment; contractual research, knowledge & licensed patents; additional overheads including operating expenses, materials & supplies; obtaining, validating & defending patents; secondments...
www	https://www.tacr.cz/index.php/en/programmes/epsilon-programme.html



DELTA PROGRAMME

TRL2 >> TRL3

Call info	supports international collaboration in applied research and experimental development through joint projects and technological innovation agencies in China (ZSTD, JSTD), South Korea (KIAT, KETEP), Taiwan (MOST), Vietnam (SATI)
Focused on	increase of the number of specific results of applied research and experimental development from international cooperation improvement of access of Czech teams to international expertise and know-how, international research capacity and facilitate the penetration of foreign markets
PI & Organisation	at least one Czech enterprise , research organisation & at least one foreign partner from China/South Korea/Taiwan/Vietnam
Expected outputs	(P) Patent; (Z) Pilot operation, verified technology, variety, breed; (F) Results with legal protection - utility model, industrial design; (G) Technically realized results - prototype, functional sample; (N) Certified methodologies and practices, treatment, conservation methods, specialized maps with expert content; (R) Software
Deadline	call 06 will be announced in June 2018, expected deadline July 2018
Evaluation	One step: Proposal; Up-to-date, Impact, Market opportunities, Implementation, Team capacity, Economic efficiency...
Project duration	12–26 months (1–2 years)
Project budget	not specified , budget in USD
Reimbursement	74%
Mode of funding	ex-ante
Success rate	48.45% (2014–2017, 5 calls, 97 applications, 47 funded projects, ? M CZK); 82.35% (2017, 17 applications, 14 funded)
Eligible costs	Personnel costs, subcontracting, other direct costs, indirect costs (max 20% personnel + other direct cost)
www	https://www.tacr.cz/index.php/en/programmes/delta-programme.html



FETOPEN 01

TRL2 >> TRL3 (TRL4)

Call info	FETOPEN Challenging Current Thinking: supports early-stage, science and technology research by consortia exploring novel ideas for radically new future technologies that challenge current paradigms and venture into the unknown, with the aim to generate genuine societal or economic innovations.
Focused on	cutting-edge high-risk high-impact interdisciplinary research with radical vision, breakthrough technological target, ambitious interdisciplinary research
PI & Organisation	Interdisciplinary consortia exploring connections between remote disciplines Young researchers, high-tech SMEs , first-time participants to FET
Expected outputs	radically new future technologies
Deadline (cut-offs)	Wed 16 May 2018 17:00 Brussels time , Thu 24 Jan 2019, Wed 18 Sep 2019, Wed 13 May 2020
Evaluation	One step: Proposal; Excellence (60%), Impact (20%), Implementation (20%)
Project duration	NA
Project budget	up to 3 000 000 EUR (70%), up to 4 285 714 EUR (100%)
Reimbursement	70% for-profit entities, 100% not-for-profit entities
Mode of funding	ex-ante/ex-post
Success rate	3.5% (2014–2017, 6 cut-offs, 3416 applications, 121 funded projects, 410 M EUR), 6.45% (2017, 403 applications, 26 funded)
Eligible costs	direct costs: (A) personnel costs, (B) other costs (travel, equipment, other goods and services, large research infrastructure), (C) outsourcing (subcontracting), (D) support to third parties, (E) in-kind contributions; (F) indirect costs (max 25%)
www	http://ec.europa.eu/programmes/horizon2020/en/h2020-section/future-and-emerging-technologies-fet-open http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/fetopen-01-2018-2019-2020.html



OPPIK Proof of Concept

TRL3

Call info	Establishment of new start-ups , development of business activities
Focused on	Verification of technical feasibility and commercial potential of research and development, introduction of new products or services to the market; risk analysis, market research, partner search, feasibility assessment
PI & Organisation	SMEs , research organisations from the Czech Republic except Prague
Expected outputs	Business plan
Deadline	Fri 04 May 2018 23:59
Evaluation	Single-round evaluation
Project duration	up to 24 months => Thu 30 Apr 2020
Project budget	300 000 – 10 000 000 CZK (60%), 500 000 – 16 666 666 CZK (100%)
Reimbursement	60%
Mode of funding	ex-ante
Success rate	NA
Eligible costs	Personnel costs, investments, goods & services, outsourcing, patents expenses, travel expenses, indirect costs
www	www.mpo.cz/cz/podnikani/dotace-a-podpora-podnikani/oppik-2014-2020/vyzvy-op-pik-2017/proof-of-concept---i--vyzva--234054/



SME Instrument Phase 1

TRL6

Call info	helps to get a grip on the R&D, technical feasibility and commercial potential of a ground-breaking, innovative idea and develop it into a credible business plan for scaling it up.
Focused on	Concept and feasibility study; development of a credible business plan for scaling up innovative high-risk ideas Risk assessment, market research, user involvement, analysis of regulatory constraints or standard regimes, intellectual property management, partner search, feasibility assessment
PI & Organisation	Innovators from for-profit SMEs & start-ups from EU Member States and H2020 Associated Countries
Expected outputs	Business plan for a solid, high-potential innovation project with European/global strategy
Deadline (cut-offs)	Thu 08 Feb 2018 (1 st) / Thu 03 May 2018 (2nd) / Wed 05 Sep 2018 (3rd) / Wed 07 Nov 2018 (4th) 17:00
Evaluation	One step: Proposal; Impact (50%) & Excellence (25%) & Implementation (25%)
Project duration	6 months
Project budget	lump sum 50 000 EUR (70 %) / 71 429 EUR (100 %)
Reimbursement	70%
Mode of funding	ex-ante
Success rate	8.4 % (2014–2016, 21 cut-offs, >22 200 applications, 1864 funded projects, 93 M EUR) 1st cut-off 2018: 2009 applications, ? funded projects (??%)
Eligible costs	(A) costs of the feasibility study, direct & indirect costs of the action; up to 3 coaching-days & leadership mentoring
www	https://ec.europa.eu/easme/en/sme-instrument http://ec.europa.eu/programmes/horizon2020/en/h2020-section/sme-instrument http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/eic-smeinst-2018-2020.html



GAMA SUB-PROGRAMME 2

TRL6 >> TRL8

Call info	supports ApR & ExD leading to the commercialisation of the achieved results, subsequent commercial use
Focused on	the completion of functional prototypes, verification of their properties, verification of test series and evaluation of all technological, economic, social, health and other impacts of new products or services
PI & Organisation	enterprises , research organisations may participate as other project participants only for PI Seal of Excellence in SME Instrument Phase 1 4 th cut-off 2017 & 1 st cut-off 2018
Expected outputs	(P) Patent; (G) Technically realized results - prototype, functional sample; (Z) Pilot operation, verified technology; (R) Software; (F) Results with legal protection - utility model, industrial design
Deadline	Thu 19 Apr 2018 16:30 call 03, other call will be announced in October 2018
Evaluation	Evaluation Summary Report (ESR) from SME Instrument Phase 1
Project duration	6–12 months ; Fri 01 Jun 2018 / Sun 01 Jul 2018 => Sun 30 Jun 2019
Project budget	max 39 286 EUR (ČNB exchange rate 25.415 CZK/1 EUR on Wed 07 Mar 2018)
Reimbursement	55%
Mode of funding	ex-ante
Success rate	100% (3/3 GAMA 01, 1/1 GAMA 02)
Eligible costs	Personnel costs, subcontracting, other direct costs, indirect costs (max 20% personnel + other direct costs)
www	https://www.tacr.cz/index.php/en/programmes/gama-programme.html



SME Instrument Phase 2

TRL6 >> TRL9

Call info	supports high-risk high-potential SMEs to develop and bring to market new products, services and business models that could drive economic growth.
Focused on	Demonstration, market replication, R&D and product development and scale up Trials, prototyping, validation, demonstration, testing in real-world conditions, market replication
PI & Organisation	Innovators from for-profit SMEs & start-ups from EU Member States and H2020 Associated Countries
Expected outputs	New products, services and business models
Deadline (cut-offs)	Wed 10 Jan 2018 (1 st) / Wed 14 Mar 2018 (2 nd) / Wed 23 May 2018 (3rd) / Wed 10 Oct 2018 (4th) 17:00
Evaluation	Two steps: Proposal & Interview in Brussels; Impact (50%) & Excellence (25%) & Implementation (25%)
Project duration	12–24 months (1–2 years)
Project budget	500 000 – 2 500 000 EUR (70 %) / 714 286 – 3 571 429 EUR (100 %)
Reimbursement	70%
Mode of funding	ex-ante: 40 % after signature of the Grant Agreement & ex-post: 60% after submission of progress reports
Success rate	5.5% (2014–2016, 21 cut-offs, >8 800 applications, 480 funded projects, 789 M EUR) 1st cut-off: 1163 applications, 124 interviewed projects (10.66%), 57 funded projects (4.90%)
Eligible costs	direct costs: (A) personnel costs, (B) other costs (travel, equipment, other goods and services, large research infrastructure), (C) outsourcing (subcontracting), (D) support to third parties, (E) inkind contributions; (F) indirect costs (max 25% of personnel + other costs – inkind); up to 12 coaching-days & leadership mentoring
www	https://ec.europa.eu/easme/en/sme-instrument http://ec.europa.eu/programmes/horizon2020/en/h2020-section/sme-instrument http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/eic-smeinst-2018-2020.html



Fast Track to Innovation (FTI)

TRL6 >> TRL8

Call info	supports innovation from the demonstration stage through to market uptake, including activities such as piloting, test-beds, validation in real-world working conditions, validation of business models, pre-normative research, standard-setting
Focused on	Demonstration, testing, advanced prototyping, pilot lines, miniaturisation, advanced design, performance verification, market replication, involvement of end users and potential clients, specialised research, validation processes of a new innovation before full commercial roll-out.
PI & Organisation	Consortium of 3–5 partners (consortium of 3–4 partners => at least 2 industry partners (private for-profit organisations); consortium of 5 partners => at least 3 industry partners). SMEs, start-ups, large companies, investors, universities...
Expected outputs	Initial market take-up of a new innovative product
Deadline (cut-offs)	Wed 21 Feb 2018 (1 st) / Thu 31 May 2018 (2nd) / Tue 23 Oct 2018 (3rd) 17:00
Evaluation	One step: Proposal; Impact (50%) & Excellence (25%) & Implementation (25%)
Project duration	up to 36 months (3 years)
Project budget	up to 3 000 000 EUR (70 % EU) / up to 3 771 429 EUR (100 %), at least 60 % of the overall budget to partners from industry
Reimbursement	70%
Mode of funding	ex-ante: 40 % after signature of the Grant Agreement & ex-post: 60% after submission of progress reports
Success rate	5–6 % (2014–2016, 6 cut-offs, >1700 applications, 94 funded projects, 201 M EUR) 1st cut-off 2018: 138 applications, ? funded projects (?%)
Eligible costs	direct costs: (A) personnel costs, (B) other costs (travel, equipment, other goods and services, large research infrastructure), (C) outsourcing (subcontracting), (D) support to third parties, (E) in-kind contributions; (F) indirect costs (max 25%)
www	https://ec.europa.eu/easme/en/eic-fast-track-innovation-fti http://ec.europa.eu/programmes/horizon2020/en/h2020-section/fast-track-innovation-pilot http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/eic-fti-2018-2020.html

Public funding of SMEs

National sources

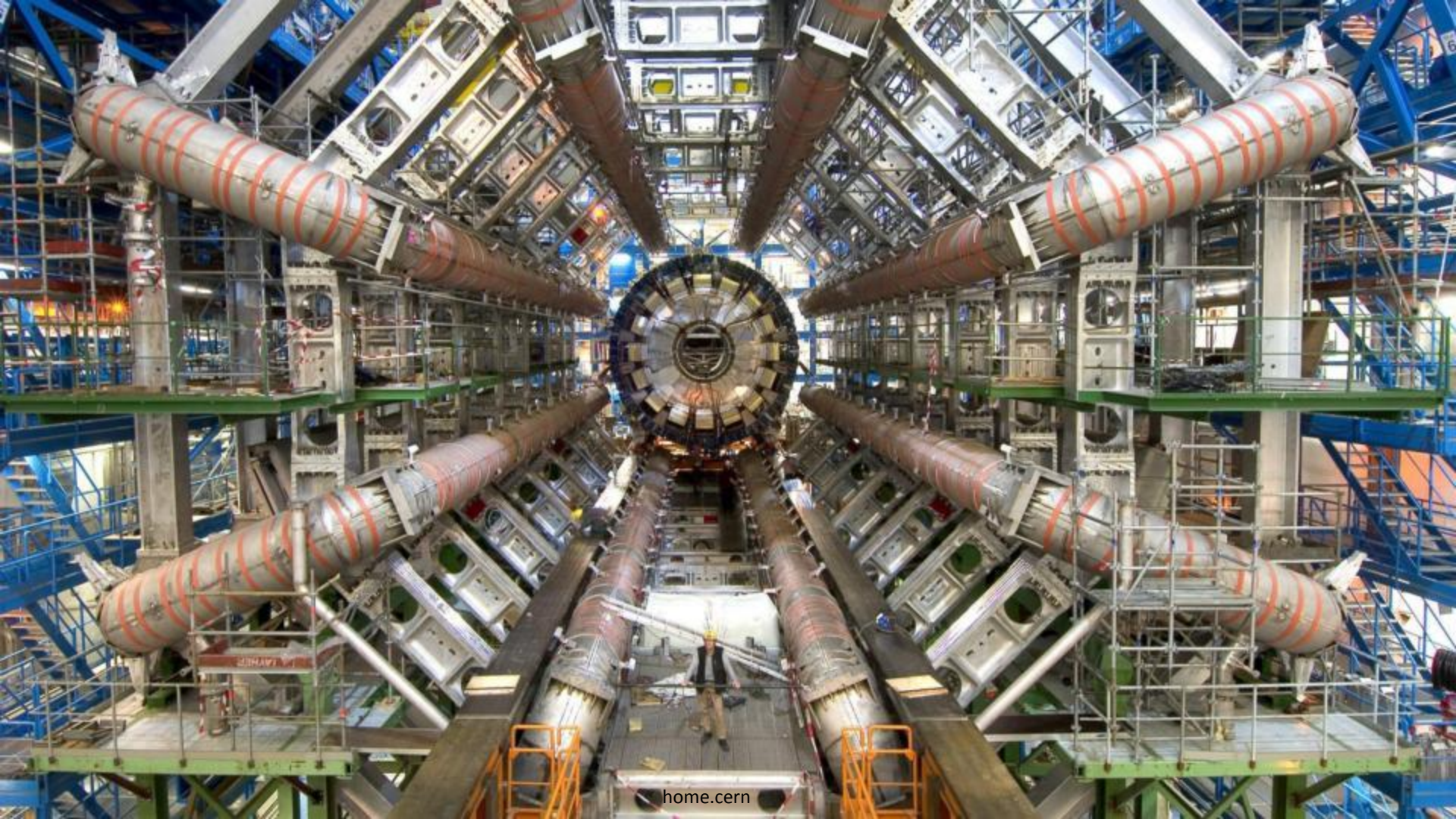
- TACR, www.tacr.cz: ZETA, THETA, EPSILON, DELTA, GAMA...
- MPO, www.mpo.cz: OPPIK
- MSMT, www.msmt.cz: INTER-EXCELLENCE...
- ...

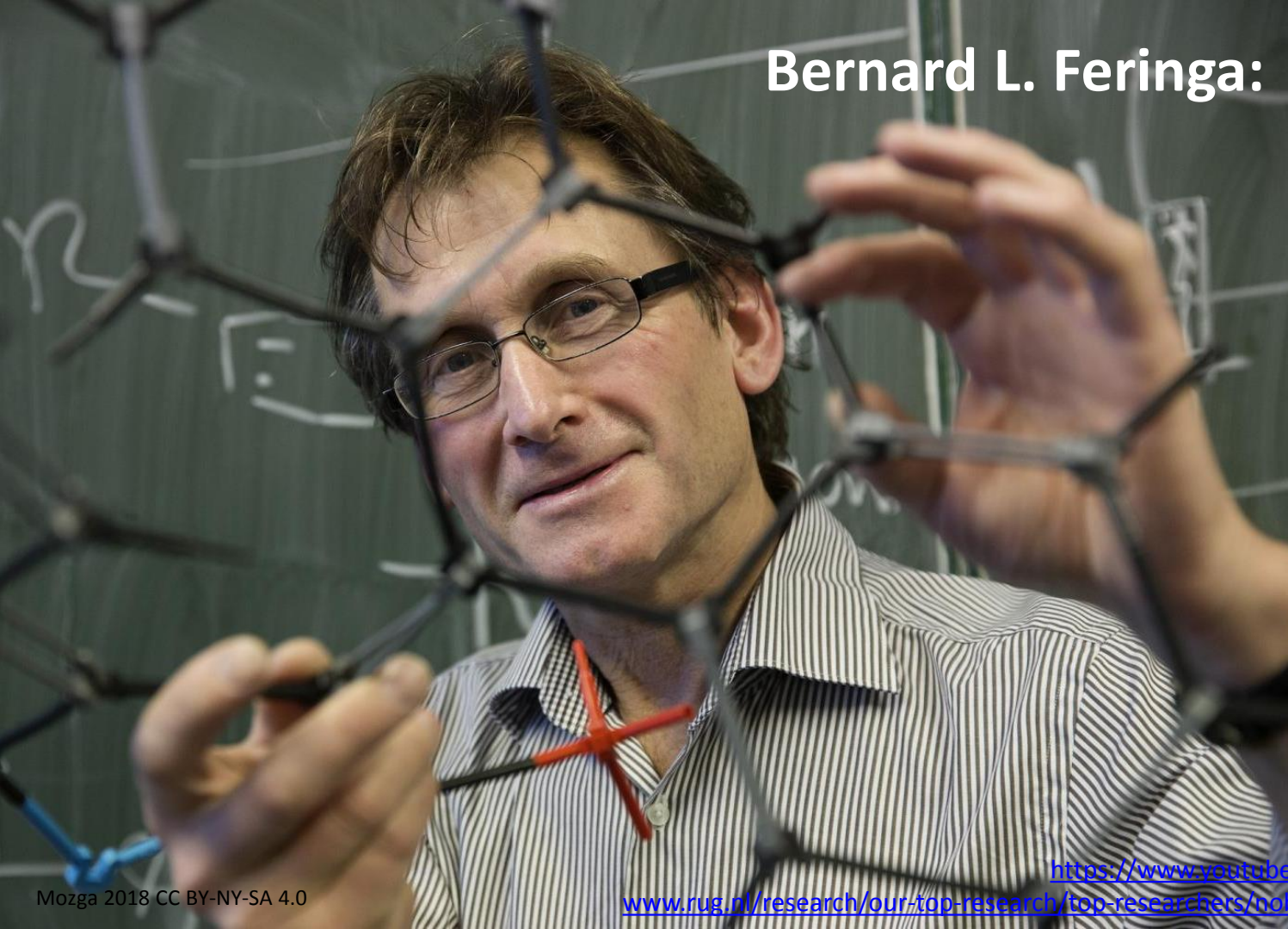
EU sources

https://ec.europa.eu/info/funding-tenders_en

<http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/index.html>

- EASME, <https://ec.europa.eu/easme/>: SMEI, FTI...
- ECSEL, www.ecsel.eu
- Erasmus, www.erasmus-entrepreneurs.eu
- H2020: FETOPEN, INNOSUP...
- COST...



A photograph of Bernard L. Feringa, a man with glasses and a striped shirt, holding a large, complex molecular model made of black rods and blue and red spheres. He is smiling slightly and looking towards the camera. The background is a chalkboard with some faint white markings.

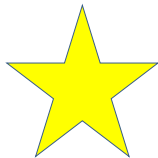
Bernard L. Feringa:

"At universities, we train talented young people – boys and girls. We have to confront students with frontiers of science and knowledge. You need a playground there to go in unknown territory. Not to be guided too much according the paths we all already know. Please, **let universities to be a playground for youth to be creative.** Use their brains and creativity and talent. That will move us forward."

<https://www.youtube.com/watch?v=7V1ZC7ilelw>

www.rug.nl/research/our-top-research/top-researchers/nobel-prize-winner-ben-feringa





European
Research Area