



Deadline	Tue-16 Nov 2021 17:00:00 Brussels time (IOCB Deadline: Fri 12 Nov 2021)
Call name	HORIZON Marie Skłodowska-Curie Actions Doctoral Networks (DN) 2021
www	HORIZON-MSCA-2021-DN-01
Focused on	<p>Doctoral Networks (DN): mobility and doctoral training of highly-skilled Doctoral candidates (DCs) within the network of beneficiaries</p> <p>Industrial Doctorates (DN-ID): mobility of Doctoral candidates within the network of beneficiaries; doctoral training by involving non-academic sector; support of long-term industry oriented research</p> <p>Joint Doctorates (DN-JD): mobility of Doctoral candidates within the network of beneficiaries; promoting international, inter-sectoral and multi/inter-disciplinary collaboration in doctoral-level training in Europe through the creation of joint doctoral programmes, leading to the delivery of joint, double or multiple doctoral degrees.</p>
Applicant	<p>Doctoral Networks (DN): consortium of at least 3 independent beneficiaries established in at least 3 different MS* or AC*. Recommendation – to keep consortium between 6-10 beneficiaries. Expectation - beneficiaries will be drawn from different sectors and DN proposals will offer inter-sectoral and interdisciplinary research training. The entity entitled to award a doctoral degree must be clearly identified in the proposal and added as a beneficiary, a partner organisation or an entity with a capital or legal link.</p> <p>Industrial Doctorates (DN-ID): consortium of at least 3 independent beneficiaries from at least 3 different MS* or AC* while one of them is from academic and the other from non-academic sector (primarily enterprises). Recruited researchers has to spend at least 50% of their time in the non-academic sector; be jointly supervised by at least 2 supervisors (1 academic and 1 non-academic). The entity entitled to award a doctoral degree must be clearly identified in the proposal and added as a beneficiary, a partner organisation or an entity with a capital or legal link.</p> <p>Joint Doctorates (DN-JD): consortium of at least 3 independent beneficiaries entitled to award doctoral degree, established in at least 3 MS* or AC*. Recommendation – to keep consortium between 4-8 beneficiaries. A joint degree = single diploma issued by at least two higher education institutions, double or multiple degree = two or more separate national diplomas issued by two or more higher education institutions. Final degree must be awarded by institutions from at least two different countries.</p>
Host institution	<p>Beneficiaries: Academic sector (public or private) - Research organisations, Universities; Non-academic (i.e. SMEs) located in a MS/AC*. They contribute directly to the implementation of the research-training programme of the network (recruiting, supervising, hosting, training of DCs). Partner organisations: academic or non-academic organisations, located in any country. They provide additional research and transferable skills training and/or secondment opportunities however cannot directly claim any costs. They can also deliver the doctoral degree. No pre-defined number of Partner organisations. If DN or DN-ID proposals offer a doctoral training to DCs, the entity entitled to award a doctoral degree must be clearly identified in the proposal and added as a beneficiary, a partner organisation or an entity with a capital or legal link. Participation of non-academic sector is recommended.</p>
Expected outputs	Doctoral training and collaborative research training activities – i.e. workshops, conferences, technical diagram, software, summer schools, tutorials, lectures, joint syllabus development, inter-sectoral visits, scientific network meetings. Each recruited researcher will establish a personal Career Development Plan in cooperation with supervisor(s). Scientific deliverables - e.g. (J) reviewed specialist article, technical reports;
Call opens	Tue 22 Jun 2021
IOCB Deadline	Fri 12 Nov 2021 17:00:00 Brussels time
Final deadline	Tue 16 Nov 2021
Evaluation results	April 2022 (around 5 months from the deadline for submission)
Signature of agreement	July 2022 (around 8 months from the deadline for submission)

Earliest date of implementation	July – August 2022
Latest date of implementation	August - December 2026 (i.e. 48 month from the start day of the project)
Sustainability	Not relevant
Reporting	2-3 reports: months 1–24 and 25–48; months 1-18, 19-36, 37-48
Project duration (min-max)	48 months ; DCs recruitment is for a minimum period of 3 months and a maximum of 36 months
Allocation for the call	402,95 M EUR
Project budget (min-max)	20 400 – 316 540 EUR/ 1 Doctoral candidat
Success rate	2020: ETN: 10,42%, EID:19,85%, EJD:15,85%
Eligible costs	<p>Researcher unit cost per person-month (on a full-time basis): 3400 EUR living allowance (EU contribution to gross salary, adjusted by country correction coefficient) + 600 EUR mobility allowance + 660 EUR family allowance (during the action duration as soon as family responsibilities arise) + 4000 EUR x % covered by the beneficiary long-term leave allowance – if applicable (i.e. maternity/paternity leave, sickness, etc.) + special needs allowance – if applicable = requested units/number of month. In cases of part-time work, all researchers must dedicate at least 50% of their working time to the MSCA action, costs = pro-rata of full time unit costs.</p> <p>Institutional unit cost per month (2800 EUR): 1600 EUR research, training and networking costs: e.g. participation in conferences, trips related to the work of the action, training, language courses, seminars, lab material, books, library records, publication costs; research expenses; visa-related fees and travel expenses; additional costs arising from secondments + 1 200 EUR management and indirect costs.</p> <p>For all DNs - no more than 40.0% of the total EU financial contribution may be allocated to beneficiaries in the same country.</p>
Mode of funding	ex-ante
Language of application	English
Provider	European Commission Horizon Europe (HORIZON) – Marie Skłodowska Curie Actions NCP: Technology Centre CAS, www.tc.cz ; Zuzana Čapková: capkova@tc.cz , tel. 234 006 161
Call identifier	MSCA Doctoral Networks 2021 (HORIZON-MSCA-2021-DN-01) HORIZON-TMA-MSCA-DN HORIZON TMA MSCA Doctoral Networks HORIZON-TMA-MSCA-DN-ID HORIZON TMA MSCA Doctoral Networks - Industrial Doctorates HORIZON-TMA-MSCA-DN-JD HORIZON TMA MSCA Doctoral Networks - Joint Doctorates
Call info	The MSCA Doctoral Networks aim to train creative, entrepreneurial, innovative and resilient doctoral candidates, able to face current and future challenges and to convert knowledge and ideas into products and services for economic and social benefit. They will equip researchers with the right combination of research-related and transferable competences and provide them with enhanced career perspectives in both the academic and non-academic sectors through international, interdisciplinary and inter-sectoral mobility combined with an innovation-oriented mind-set.
Conditions / Restrictions	<p>1) Eligible Researcher = Doctoral candidate (DC): Researcher of any nationality, at the first day of employment for the purposes of the action must be doctoral candidates, i.e. not already in possession of a doctoral degree</p> <p>2) Topic: bottom-up approach = proposals in all domains of research and technological development</p> <p>3) Recruitment: The recruited DC cannot have resided or carried out his/her main activity (work, studies, etc.) in the country of the beneficiary for more than 12 months in the 3 years immediately before their recruitment date. Beneficiaries will be responsible for the selection and recruitment of the eligible researchers, they have to meet certain conditions relating to the publishing of vacancies, recruitment and length of appointment of researchers, in line with the principles set out in the European Charter and Code for Researchers. DN: every beneficiary must recruit, host at their premises and supervise at least 1 ESR. DN-ID: recruited researchers must spend at least 50% of their time in the non-academic sector. This inter-sectoral mobility must be international between beneficiaries. DN-JD: at least two-thirds of the supported Doctoral candidates must be enrolled in a joint, double or multiple degree within Europe, i. e. between two or more beneficiaries/partner organisations established in a MS* or AC*. For all recruitments, the eligibility of the</p>

	<p>researcher will be determined at the date of their first recruitment in the action. Limitation - a maximum of 540 person-months per network for DN and DN-JD.</p> <p>4) Secondment: = a period of research training with another beneficiaries and/or associated partner organisations; should be relevant, feasible and beneficial for the researchers, and in line with the project objectives. DN - secondments of an individual researcher to other beneficiaries and/or associated partner organisations up to a maximum of 30% of their total recruitment period; DN-ID - at least 50% of his/her total recruitment time in the non-academic sector, total secondment duration to associated partner organisations (irrespective of the sector) is limited to a maximum of 30% of his/her total recruitment time; DN-JD - limitation of secondments to 30% of the total recruitment time apply. They must be financed using the Research, Training and Networking contribution. The virtual mobility can complement the physical mobility if necessary. They are an integral part of the research proposal and must be described in the proposal. Any subsequent changes in the secondment plan during the project implementation must be pre-approved by the European Research Executive Agency (REA).</p> <p>5) Partnership Agreement: = outline of beneficiaries cooperation in the network (recruitment, supervision, IPR, distribution of units between beneficiaries etc.).</p>
Proposal consists of	<p>On-line application at the Participant Portal</p> <p>Proposal Part A (on-line): (1) General information & declarations & 3–5 descriptors & abstract (max 2000 characters with spaces), (2) Organisation data (administrative data of participating organisations), (3) Budget, (4) Ethics & security</p> <p>Proposal Part B - proposed research and training programmes along with the practical arrangements planned to implement them</p> <p>Part B1 (PDF): project description (1) Excellence, (2) Impact, (3) Quality and efficiency of the implementation (page limit = max 34 pages comprising the Start Page – 1 pg., Table of Contents – 1 pg., List of Participating Organisations – max.2 pgs). Section 1 must start on page 5.</p> <p>Part B2 (PDF): (4) Participating organisations (organisation description - maximum 1 page per Beneficiary and half page per Associated Partner/ Associated Partner linked to a Beneficiary organisation), (5) Ethical issues, (6) Letters of Commitment (from Associated Partner organization(s) to demonstrate the credibility of the organisation's commitment to the DN pre-agreement letter for DN-JD participants awarding a joint/double or multiple degree</p>
Evaluation criteria	<p>Single-stage evaluation process. The evaluation of proposals is carried out by the Research Executive Agency (REA) with the assistance of independent experts.</p> <p>Excellence (50%): (1) Quality and pertinence of the project's research and innovation objectives (and the extent to which they are ambitious, and go beyond the state of the art) (2) Soundness of the proposed methodology (including interdisciplinary approaches, consideration of the gender dimension and other diversity aspects if relevant for the research project, and the quality of open science practices)</p> <p>(3) Quality of the supervision (including mandatory joint supervision for DN-ID and DN-JD projects); (4) Quality of the proposed interaction between the participating organisations (transferable skills, inter/multidisciplinary, inter-sectoral and gender as well as other diversity aspects).</p> <p>Impact (30%): (1) Enhancing the career perspectives and employability of researchers; contribution to their skills development; (2) Contribution to structuring doctoral / early-stage research training at the European level and to strengthening European innovation capacity, including the potential for: a) meaningful contribution of the non-academic sector to the doctoral/research training, as appropriate to the implementation mode and research field b) developing sustainable joint doctoral degree structures (for EJD projects only);</p> <p>(3) Quality of the proposed measures to exploit and disseminate the project results (4) Quality of the proposed measures to communicate the project activities to different target audiences.</p> <p>Quality and efficiency of the implementation (20%): (1) Coherence and effectiveness of the work plan, including appropriateness of the allocation of tasks and resources, assessment of risks (2) Appropriateness of the infrastructure of the participating organisations; (3) Competences, experience and complementarity of the participating organisations and their commitment to the programme.</p>
Research areas	All research areas
Call workshop	MSCA DN Info Day - seminar MSCA Cross-action novelties
IOCB contact	<p>Please inform the IOCB Project Office about your intention to apply. Do not hesitate anytime to contact us for consulting, discussion or help. projectoffice@uochb.cas.cz, +420 220 183 229</p>

Download documents	MSCA-DN 2021 _summary (pdf) MSCA--DN 2021 guidelines (pdf) MSCA- DN 2021 Proposal template Part B (rtf) MSCA- Evaluation form (HE MSCA) (pdf) MSCA Work Programme 2021-2022 (pdf)
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*AC = Associated Country, MS = EU Member States, TC = non-associated Third Countries

		DN	DN-ID	DN-JD
BENEFICIARY (IES)	Minimum Number of beneficiaries	3	3	3
	Minimum MS or AC	3	3	3
	Minimum MS (beneficiaries)	1	1	1
	Academic sector	No restrictions	Minimum 1	Minimum 3 entitled to award doctoral degrees; at least 2 (beneficiaries/ associated partners/ associated partners linked to a beneficiary) conferring the degree established in MS/AC.
	Non-academic sector	No restrictions	Minimum 1	No restrictions
	Max no. of person months	360	540	540
	Max 40.0% budget for 1 country/international organisation	Mandatory	Mandatory	Mandatory
Beneficiary or associated partner/associated partner linked to a beneficiary awarding PhD		Mandatory (beneficiary or associated partner/ associated partner linked to a beneficiary)	Mandatory (beneficiary or associated partner/ associated partner linked to a beneficiary)	Mandatory for minimum 3 entities (beneficiary or associated partner/ associated partner linked to a beneficiary), of which 2 in MS/AC
Joint/double/multiple award of PhD		Optional	Optional	Mandatory
Joint/double/multiple degree – letter of pre-agreement		N/A	N/A	Mandatory
Joint supervision for researchers		Encouraged	Mandatory (from the 2 sectors)	Mandatory
Researchers enrolment in the PhD		Mandatory	Mandatory	Mandatory
Stay in non-academic sector		Encouraged	Min. 50% of fellowship	Encouraged
Secondments		≤ 1/3	≤ 1/3	≤ 1/3
Associated partner: Letter of Commitment		Mandatory		
Ranking lists		8 (Scientific) panels		
Budget		~€403 Million		