TECHNOLOGY CENTRE CAS

On-line Training on MSCA Doctoral Networks: 2022 Call

Zuzana Šimek (Čapková), MSCA and ERC NCP

19 May 2022

WELCOME ☺

Date: 19 May 2022
9:00 – 13:15

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On-line Training on MSCA DN: 2022 Call
– support to Doctoral programmes in and outside academia incl. joint and industrial doctorates

Programme

- 09:00-09:10 Introduction into MSCA DN
- 09:10-10:30 MSCA DN successful project development in a nutshell:
  - Policy framework and underlying principles, type of action versus type of partnership, training activities and expected impact
  - Call evaluation criteria versus required contents
- 10:30-10:45 Q & A, Discussion
- 10:45-11:00 Short break
- 11:00-11:20 How to create and submit MSCA DN proposals?
- 11:20-12:40 How to write successful MSCA DN proposals?
  - Tips and suggestions for succesfully developing each section of Part B1 and Part B2
- 12:40-13:15 Q & A, Discussion

Speakers

- **Katia Insogna**, *trainer, Horizon Europe Funding Navigator*
- **Zuzana Šimek**, *MSCA and ERC NCP, Technology Centre of the Czech Academy of Sciences*

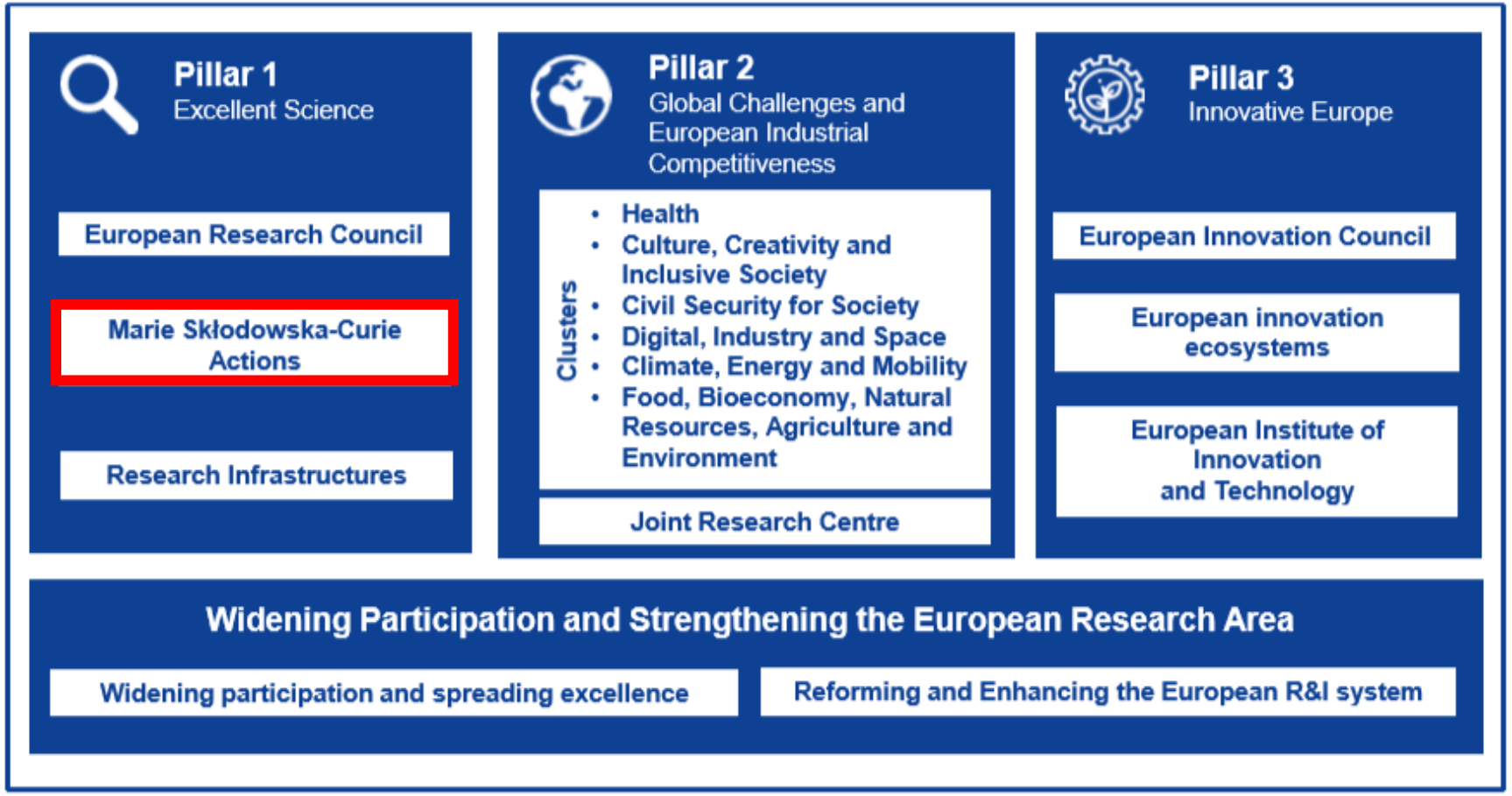
Join at
slido.com
#MSCADN2022

The training is held within the project CZERA MS2103 supported by the Ministry of Education, Youth and Sports of the Czech Republic.

INTRODUCTION INTO MSCA DOCTORAL NETWORKS

Horizon Europe (2021-2027)

MSCA support researchers' mobility, training and career development



MSCA Doctoral Networks in Horizon Europe

Horizon 2020 (2014-2020)	Horizon Europe (2021-2027)	Who?
Innovative Training Networks (ITN)	Doctoral Networks (DN)	Doctoral Candidates
Individual Fellowships (IF)	Postdoctoral Fellowships (PF)	Postdoctoral Researchers
Research and Innovation Staff Exchanges (RISE)	Staff Exchanges (SE)	Any type of research-related staff
Co-funding of regional, national and international programmes (COFUND)	COFUND (COFUND)	Doctoral Candidates, Postdoctoral Researchers
European Researchers' Night (NIGHT)	MSCA and Citizens (CITIZENS)	Public

Czech participation in MSCA ITN calls under H2020

Call	Funded projects
H2020-MSCA-ITN-2014	16
H2020-MSCA-ITN-2015	17
H2020-MSCA-ITN-2016	16
H2020-MSCA-ITN-2017	13
H2020-MSCA-ITN-2018	14
H2020-MSCA-ITN-2019	9
H2020-MSCA-ITN-2020	12
Total	97

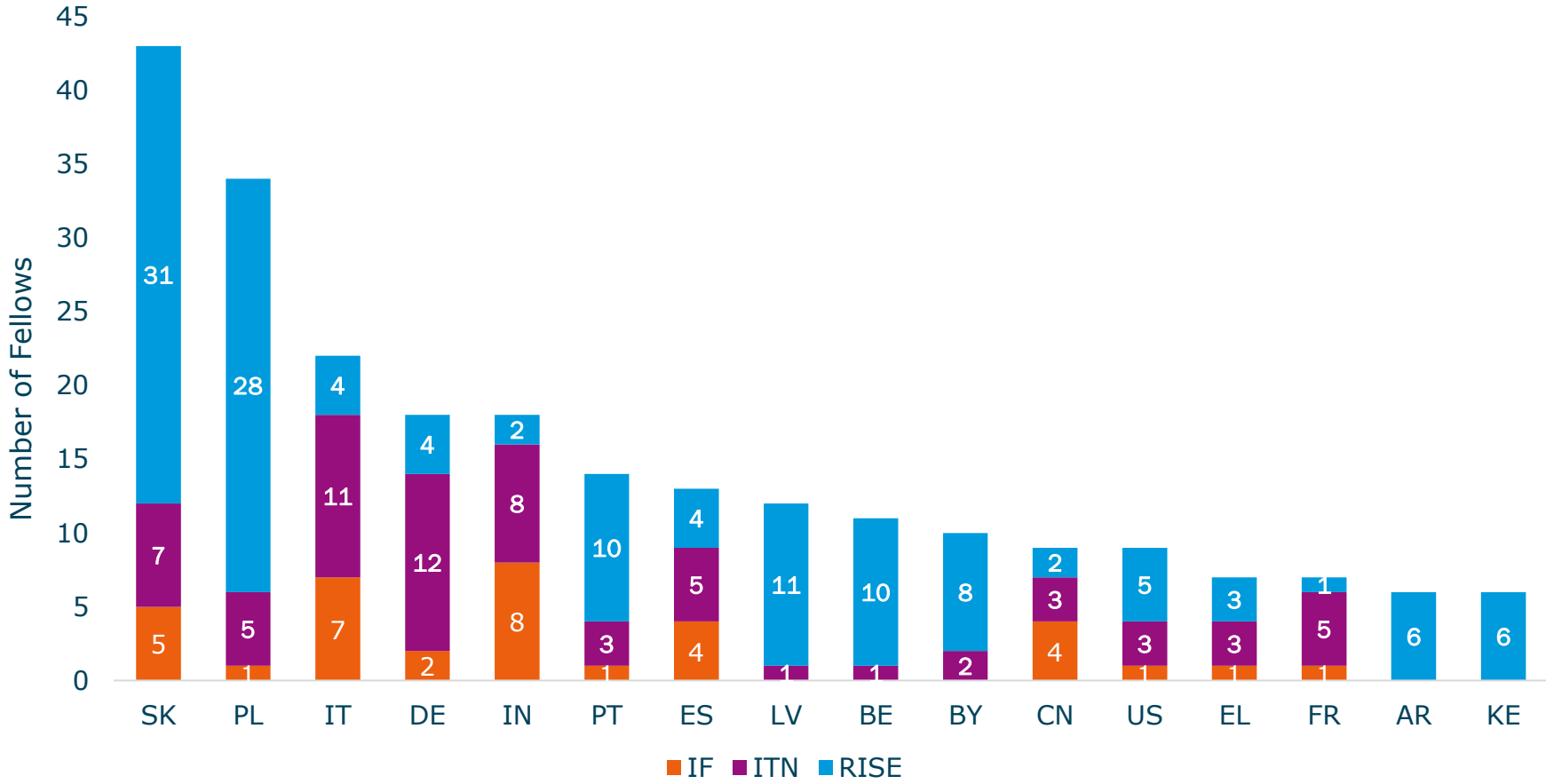
Type of action	Projects
MSCA-ITN-ETN	82
MSCA-ITN-EJD	12
MSCA-ITN-EID	3

Panel	Funded projects
LIF	26
ENG	23
SOC	19
ENV	13
CHE	13
PHY	2
MAT	1

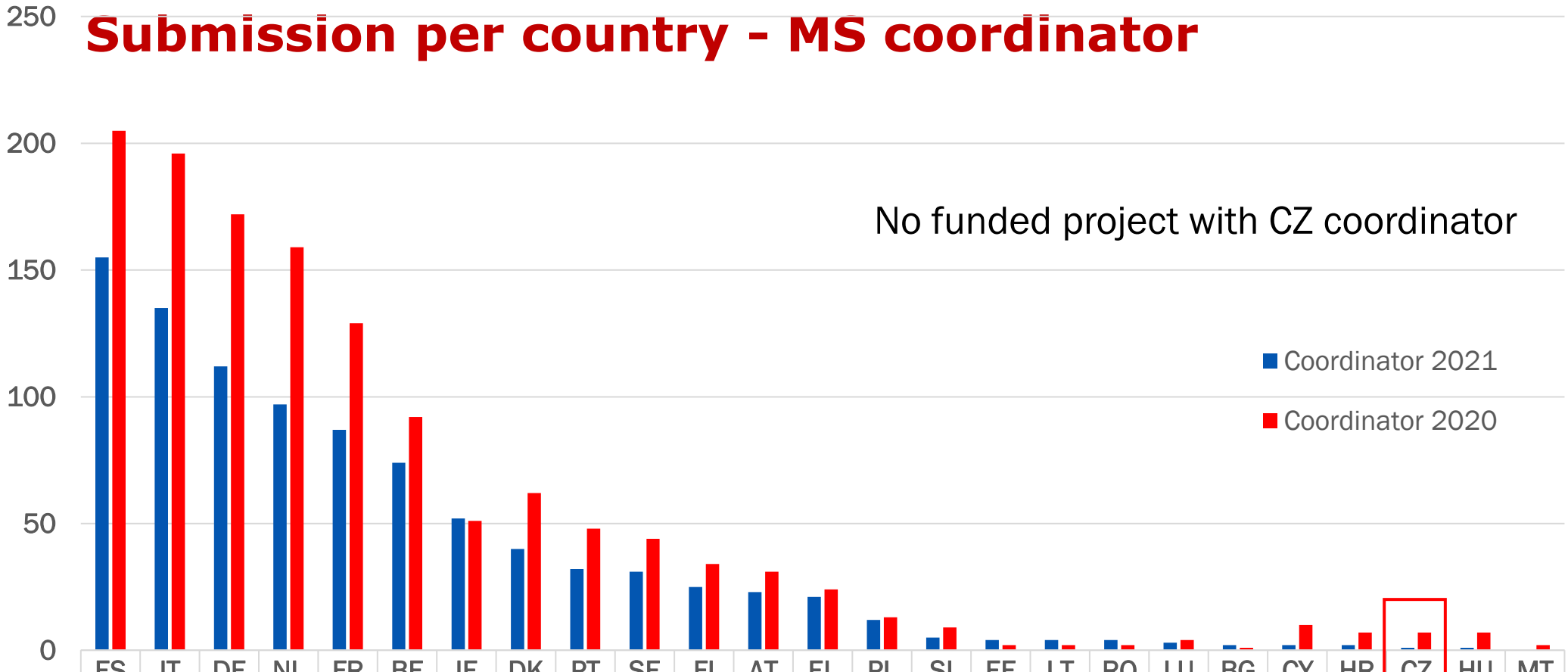
Institution	2 and more funded projects /institution
UNIVERZITA KARLOVA	13
MASARYKOVA UNIVERZITA	7
CESKE VYSOKE UCENI TECHNICKE V PRAZE	5
VYSOKA SKOLA CHEMICKO-TECHNOLOGICKA V PRAZE	4
FAKULTNI NEMOCNICE U SV. ANNY V BRNE	3
INOCURE SRO	3
USTAV FYZIKALNI CHEMIE J. HEYROVSKEHO AV CR	3
USTAV ORGANICKE CHEMIE A BIOCHEMIE AV CR	3
BIOLOGICKE CENTRUM AV CR	2
CONTIPRO AS	2
JIHOCESKA UNIVERZITA V CESKYCH BUDEJOVICICH	2
PSI (PHOTON SYSTEMS INSTRUMENTS) SRO	2
USTAV MOLEKULARNI GENETIKY AV CR	2
VYSOKE UCENI TECHNICKE V BRNE	2

Fellows coming to Czechia from foreign countries, grouped by their nationality (TOP 15 nationalities)

Source: eCORDA 02/2022, data processing - Daniel Frank, TC CAS



Doctoral Networks (MSCA DN): 2021 Call



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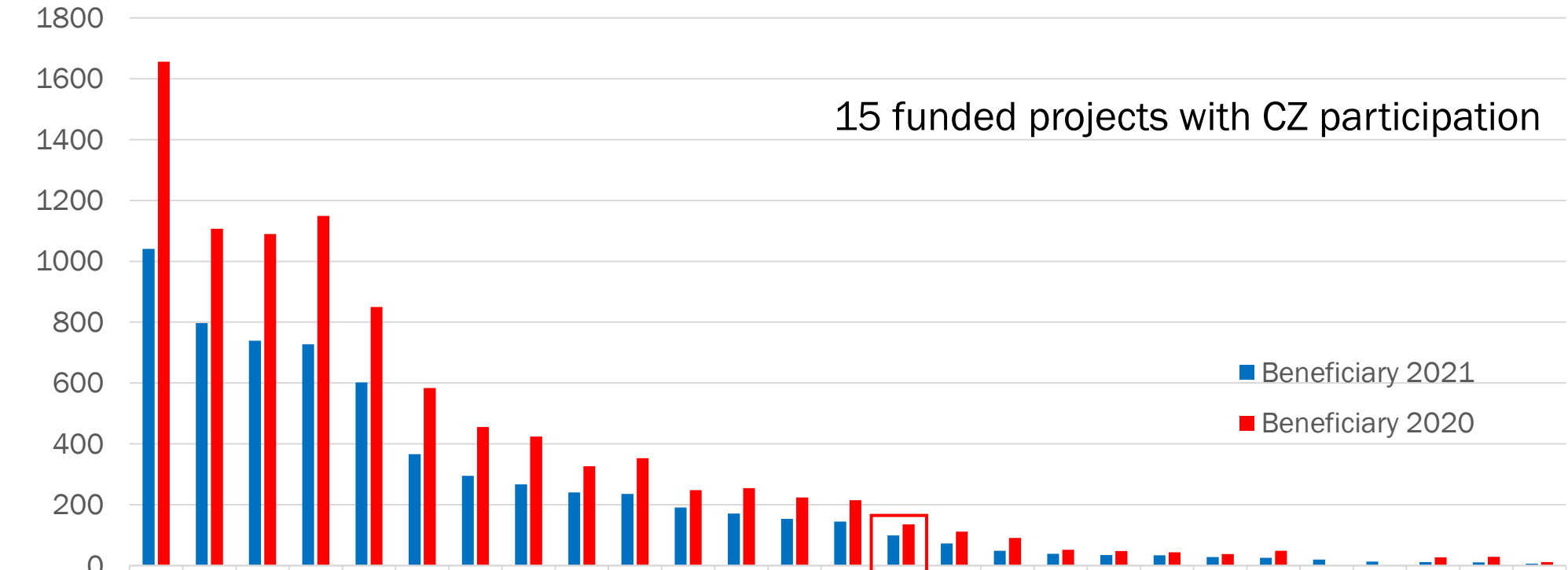
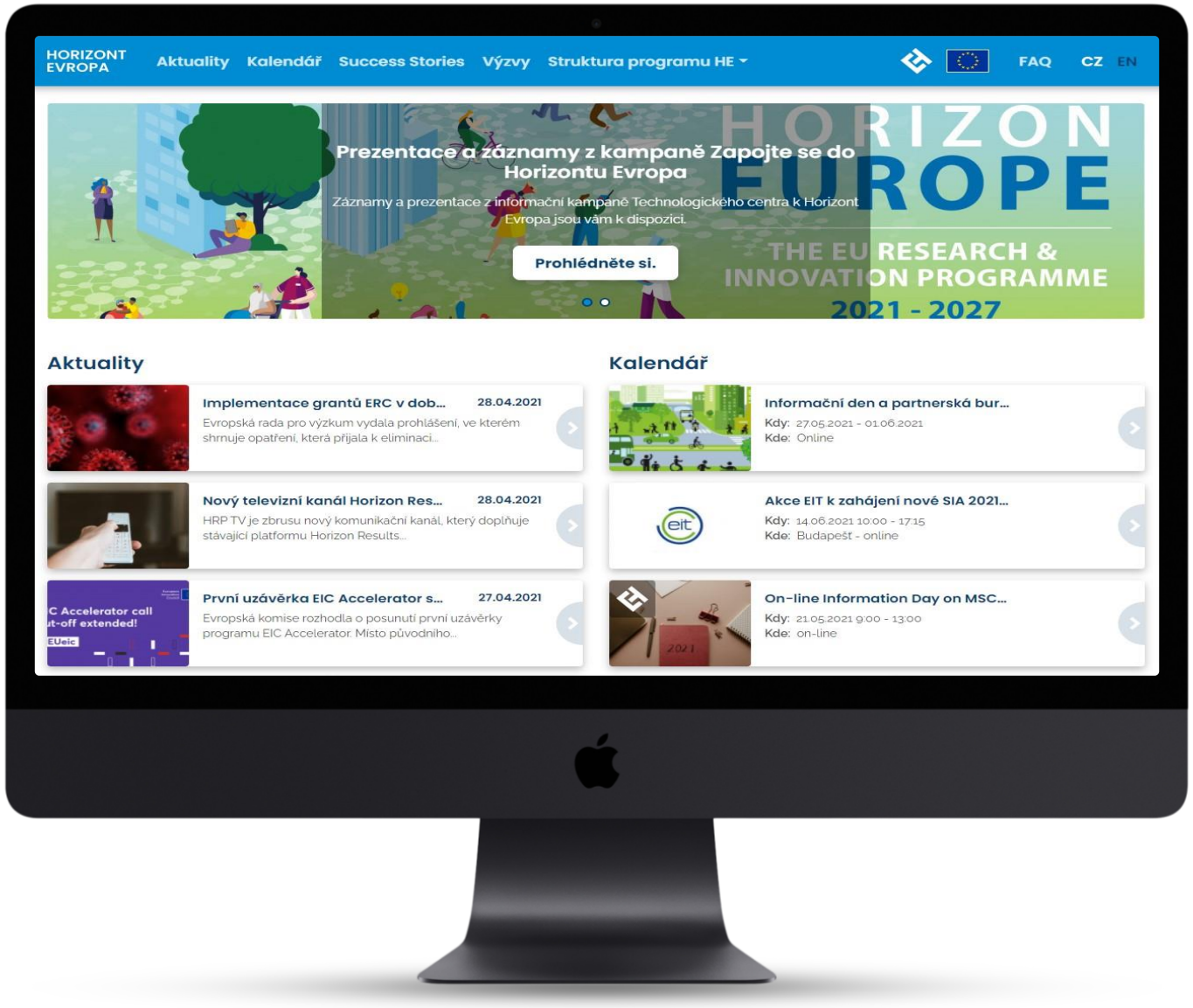
Coordinator 2021	155	135	112	97	87	74	52	40	32	31	25	23	21	12	5	4	4	4	3	2	2	2	1	1	0
Coordinator 2020	205	196	172	159	129	92	51	62	48	44	34	31	24	13	9	2	2	2	4	1	10	7	7	7	2

Doctoral Networks (MSCA DN): 2021 Call

Submission per country - MS beneficiary



	DE	IT	ES	FR	NL	BE	SE	DK	PT	AT	EL	FI	IE	PL	CZ	SI	HU	RO	CY	LU	HR	EE	LV	SK	BG	LT	MT
Beneficiary 2021	104	797	739	728	602	366	295	267	241	236	191	171	154	145	99	73	49	39	35	34	28	26	20	13	12	11	7
Beneficiary 2020	165	110	109	114	850	584	456	424	327	353	248	255	224	215	136	112	91	52	48	44	38	49	0	0	27	29	12



National Portal Horizon Europe

Webpage (Czech/English version)
horizontevropa.cz

- News
- Calendar
- Success stories
- Calls
- Newsletter (subscribe)
- **MSCA under Excellent Science**

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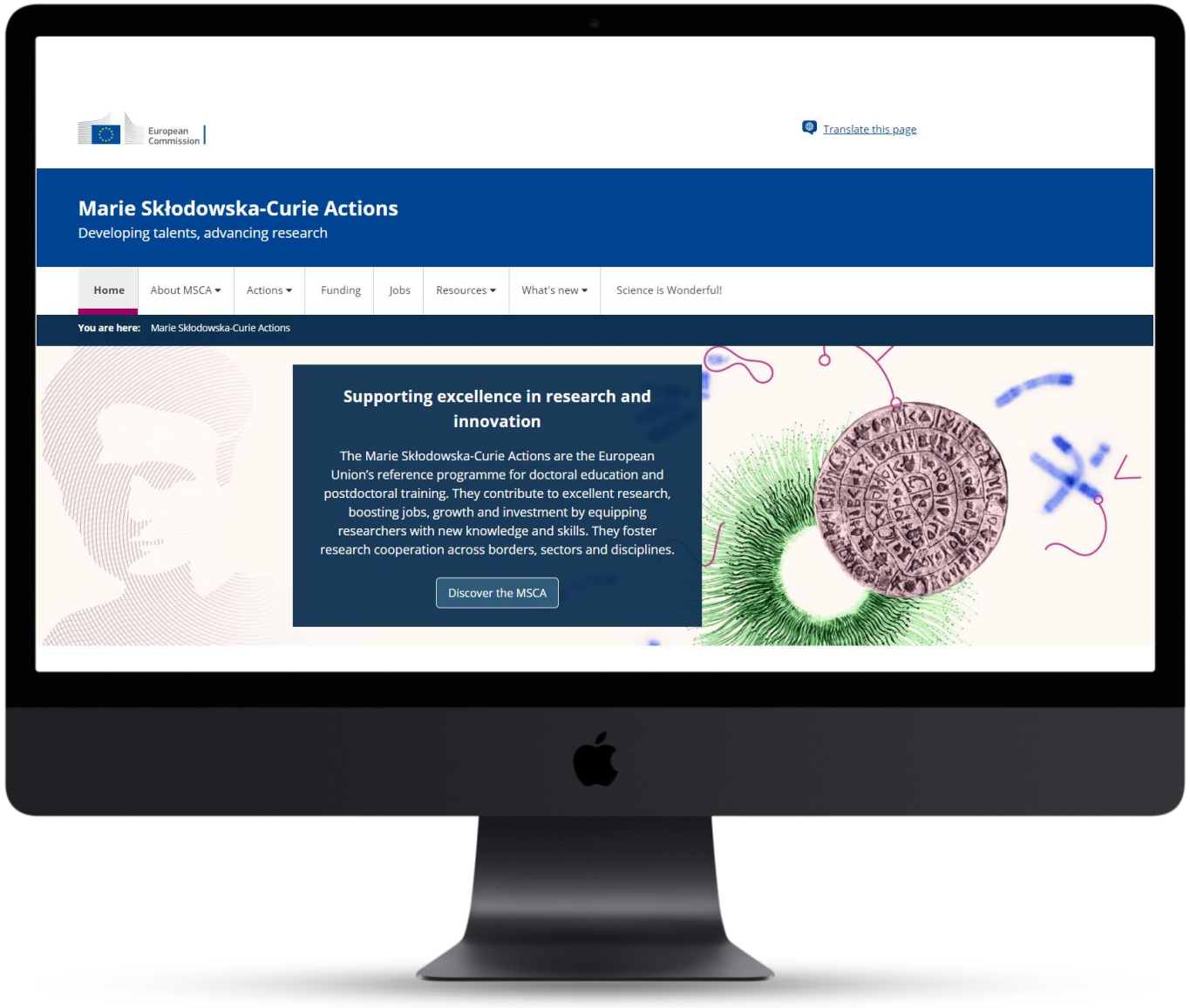
National support to MSCA applicants: Events in 2022 – INVITATION

Date	Venue	Event*
29 March	on-line	National Information day on MSCA (presentations and recording)
26 April	on-line	Information day on MSCA Postdoctoral Fellowships (presentations and recording)
19 May	on-line	Training on MSCA Doctoral Networks
24 May	on-line	Školení pro projektové manažerky a manažery k přípravě MSCA Postdoctoral Fellowships
30-31 May	on-line	Workshop on MSCA Postdoctoral Fellowships 2022 for applicants and their supervisors (deadline for registration – 19 May)
2 June	on-line	Information day on MSCA COFUND

* Title according to the language of the event

MSCA Calls: 2022-2024 (for 2023-2024 preliminary calendar)

Action	Call	Opening	Deadline
MSCA Doctoral Networks	2022	12 May 2022	15 November 2022
	2023	30 May 2023	28 November 2023
	2024	29 May 2024	27 November 2024
MSCA Postdoctoral Fellowships	2022	12 May 2022	14 September 2022
	2023	12 April 2023	13 September 2023
	2024	10 April 2024	11 September 2024
MSCA Staff Exchanges	2022	6 October 2022	8 March 2023
	2023	5 October 2023	28 February 2024
	2024	10 October 2024	5 March 2025
MSCA COFUND	2022	11 October 2022	9 February 2023
	2023	10 October 2023	8 February 2024
	2024	8 October 2024	6 February 2025
MSCA and Citizens	2023	20 June 2023	25 October 2023



Useful links

- MSCA newsletter (subscribe)
- Euraxess (jobs and funding opportunities)
- ERA4Ukraine (Euraxess website, EU initiative)
- Researchin (Czech initiative to support Ukrainian researchers)
- MSCA Green Charter
- MSCA Guidelines for inclusion of researchers at risk
- MSCA Guidelines on Supervision
- Synergies between the MSCA and Erasmus+ in the area of higher education

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Horizon Europe (2021-27)

Marie Skłodowska-Curie Actions -MSCA

DOCTORAL NETWORKS (DN): HOW TO WRITE SUCCESSFUL PROPOSALS

AGENDA

Horizon Europe MSCA Doctoral Networks (DN) 2022:

- ❑ Call's introduction: objectives, key features, expected impact
- ❑ Policy framework and MSCA underlying principles
- ❑ Type of action (DN, DN-ID, DN-JD) and core requirements
- ❑ Eligibility of organisations/researchers
- ❑ Financial issues/budget
- ❑ Evaluation process and criteria

- ❑ **Basic rules for successful project development**
- ❑ Main project (funded) activities
- ❑ *Do's and don'ts* in proposal development with final check lists

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Call 2022

Timeline

Indicative budget 2022: 428 EUR million

- 12 May 2022: Launch of the call for proposals
- 15 November 2022: Deadline for submitting proposals (5pm Brussels time)
- April 2023: **Notification of applicants if their proposal has been selected**
- July 2023: Grant agreement signature for successful projects
- Autumn 2023: Coordinators' Day organised by the European Research Executive Agency

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Doctoral Networks: objectives

Promoting **international, inter-sectoral** and **multi/inter-disciplinary** collaboration in doctoral-level training in Europe

Training highly-skilled, **creative, entrepreneurial, innovative** doctoral candidates

Provide researchers 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**

Stimulating **entrepreneurship, creativity** and **innovation** in Europe and beyond

Equip researchers with the right combination of **research-related and transferable competences**

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Doctoral Networks: key features

Support to **doctoral candidates,** with all fellows **compulsory enrolled in a doctoral training**

Implemented by **partnerships** of universities, research institutions, research infrastructures, businesses including SMEs, and other socio-economic actors **from different countries across Europe and beyond**

Must respond to well-identified **EU needs** in various R&I areas

Expose the researchers to the **academic and non-academic sectors**

Offer training in **research-related, as well as transferable skills,** relevant for long-term employability

Proposals can reflect existing or planned / new research partnerships

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Doctoral Networks:
Expected Impact at programme level

1. **Strengthen Europe's human capital** by training highly-skilled doctoral candidates
2. **Improve the attractiveness of researchers' careers** through better working and employment conditions of doctoral candidates in Europe
3. Enhance knowledge circulation across the R&I landscape, through **inter-sectoral, interdisciplinary and international mobility**
4. **Establish / foster sustainable collaborations** between academic and non-academic organisations
5. **Increase Europe's attractiveness** as a leading research destination
6. **Enhance the quality of R&I** contributing to Europe's sustainable competitiveness
7. Foster the culture of **open science, innovation and entrepreneurship**

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Doctoral Networks: PROJECT Expected Impact

For **supported doctoral candidates**:

1. New research and transferable skills and competences, leading to improved employability and career prospects within and outside academia
2. New knowledge allowing the conversion of ideas into products and services

For **participating organisations**:

1. Improved quality, relevance and sustainability of doctoral training programmes and supervision arrangements
2. Enhanced cooperation and transfer of knowledge between sectors and disciplines
3. Increased integration of training and research activities between participating organisations;
4. Increased internationalisation and attractiveness
5. Regular feedback of research results into teaching and education at participating organisations

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Policy framework

to be recalled in each project proposal

Policy framework:

- the European Research Area (ERA) and European Education Area (EEA)
- Horizon Europe Missions
- the EU external policy objectives
- the **European Green Deal objectives**

MSCA Green Charter

https://ec.europa.eu/research/mariecurieactions/green-charter

Code of good practice, with principles set in line with the EU Green Deal

Promotes the **sustainable implementation of research and training** activities

Funded organizations/researchers required to adhere on a "**best effort**" basis

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Some measures to consider when applying:

-reduce, reuse and recycle
-promote green purchasing for project-related materials
-ensure the sustainability of project events
-use low-emission forms of transport
-promote teleconferencing whenever possible
-use sustainable and renewable forms of energy
-develop awareness on environmental sustainability
-share ideas and examples of best practice

Practical tips for proposal development:

Combine **virtual mobility** with **physical mobility**

Consider **planning longer mobility periods** to decrease the CO_2 footprint

Include **dedicated training** on best environmental practices, to develop “green skills” and raise “green awareness”

Paperless material for trainings/conferences

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MSCA in Horizon Europe

Main principles

Underlying Principles

FAIR = Findable, Accessible, Interoperable, Reusable

-European Charter & Code of Conduct for the Recruitment of Researchers
-Innovative Doctoral Training Principles
-**Open Science** (new publishing platform and open peer review: https://open-research-europe.ec.europa.eu/)
-Responsible Research & Innovation (RRI principles), including FAIR data handling

More gender-friendly and inclusive MSCA

In line with the *Charter and Code*:
- all MSCA projects are encouraged to **embrace diversity**
-Family allowances will be accessible to all, even if their parental status changes during the duration of the project
-Long-term leave allowance in case of the researchers' leave, including maternity, paternity, parental, sick or special leave
-Broader definition of family (recognized LGBTI+ couples)

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Guiding and Underlying Principles

To be recalled in each project proposal

European Charter for Researchers and the Code of Conduct for the Recruitment of Researchers
(https://euraxess.ec.europa.eu/jobs/charter)

To be recalled in any project evaluation, selection and recruitment process (strong adherence to the articles is required!). Evaluation and final Selection must **be transparent, open, public and involve external members from academic/non academic sectors**

Innovative Doctoral Training Principles

A total of **7 principles** to be recalled in any action (i.e. attractive environment, open science, quality check, international and intersectoral training opportunities, excellent supervision arrangements, others)

Open Science

Must be inserted in section 1 Excellence. Must include **FAIR data handling** (Findable, Accessible, Interoperable, Reusable): a **Data Management Plan** (DMP) due at the beginning of each project (deliverable by M6).
In **section 2 Impact must deal with Open Science** in terms of **dissemination and exploitation plan**

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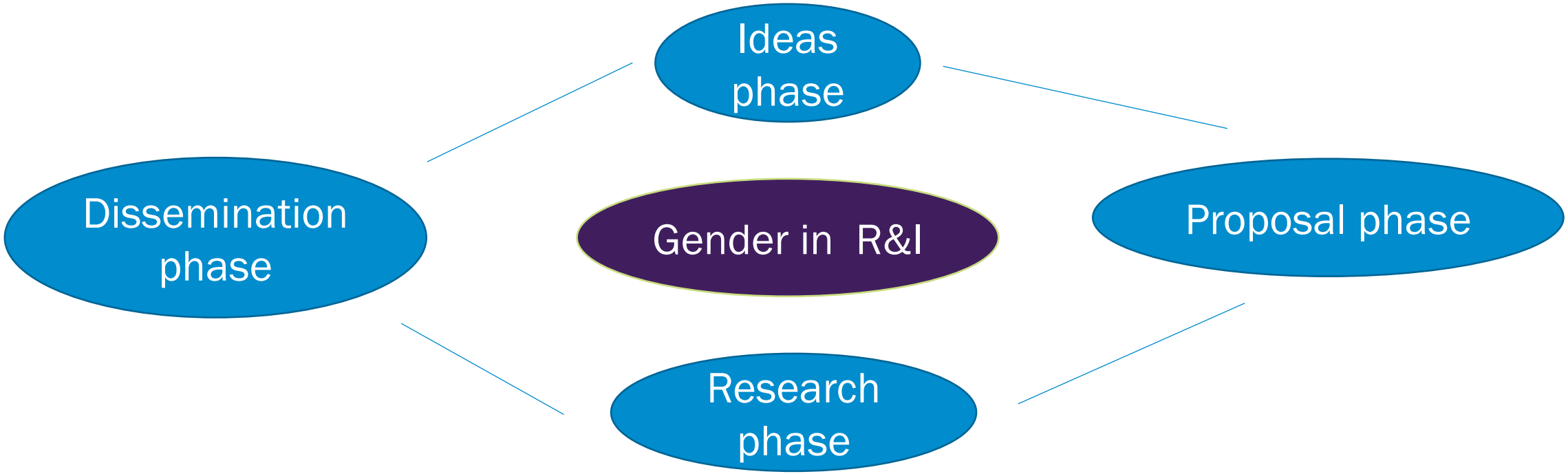
From 2022 a gender equality plan is an eligibility criterion for Public bodies, HE establishments and Research organisations from Member States and Associated Countries!
If the proposal is selected, having a Gender Equality Plan will be necessary before the grant agreement signature.



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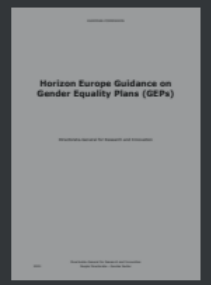

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European Commission

Horizon Europe Guidance on Gender Equality Plans

Doctoral Networks: Types of action/project

Regular Doctoral Networks (DN): network of organisations with a joint research project; enrolling candidates in a doctoral programme and a joint research project

Industrial Doctorates (DN-ID): as from DN but with mandatory involvement of the non-academic sector in the doctoral training so that the skills acquired better match public and private sector needs; Joint supervision

Joint Doctorates (DN-JD): joint collaborations as for the DN but leading to a joint/double/multiple doctoral degree (***pre-agreements required)***; Joint selection and supervision; degree to be recognised in at least two EU Member States (MS) or Horizon Europe Associated Countries (AC).

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Doctoral Networks in nutshell:
DN

Network of organisations with a joint research project

Enrolling candidates in a doctoral programme

Expose the researchers to the academic and non-academic sectors

Offer training in research-related, as well as transferable skills and competences relevant for innovation and long-term employability

International, interdisciplinary and inter-sectoral mobility combined with an innovation-oriented mind-set

360 person-months per network for regular DNs (10 Doctoral candidates for 36 months each)

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Doctoral Networks in nutshell : Industrial Doctorates (ID)

Mandatory involvement of the non-academic sector in the doctoral training

Joint supervision by academic and non-academic organisations

50% of the time spent in the non-academic sector

Multiple and consecutive recruitment

540 person-months per network for DN-IDs and DN-JDs (15 Doctoral candidates for 36 months each)

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Doctoral Networks in nutshell : Joint Doctorates (DN-JD)

Joint collaborations as for the DN but leading to a joint/double/multiple doctoral degree (***pre-agreements required)***

Joint selection and supervision

Lead to the delivery of joint, double or multiple doctoral degrees to be recognised in at least two EU Member States (MS) or Horizon Europe Associated Countries (AC)

30

540 person-months per network for DN-IDs and DN-JDs (15 Doctoral candidates for 36 months each)

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Joint degree

Refers to a single diploma issued by at least 2 higher education institutions offering an integrated programme

Must be recognised officially in the countries where the degree-awarding institutions are located

Double or Multiple degree

Refers to 2 or more separate national diplomas issued by 2 or more higher education institutions

Must be recognised officially in the countries where the degree-awarding institutions are located.

The final degree must be awarded by institutions from at least two different MS and/or AC countries.

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Who can apply?	Consortia of universities, research institutions and research infrastructures, businesses including SMEs, and other socio-economic actors
Minimum requirements	At least **three independent legal entities (beneficiaries)**, each established in a different MS or AC; **minimum of 1 beneficiary from a MS** On top of this minimum, any entity from any MS/AC or third country can join
All beneficiaries must recruit at least one doctoral candidate	They are also required to host at their premises and supervise recruited researchers, or use associated partners linked to them to do so.

Not more than 40.0% of the EU contribution may be allocated to beneficiaries in the same country

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Key features

Academic Sector

Higher Education Establishments (public or private) awarding academic degrees

Non-profit research organisations (public or private) whose primary mission is to pursue research

International European Interest organisations (IERO)

Non-Academic Sector

Any socio-economic actor not included in the academic sector fulfilling the requirements of the **Horizon Europe Rules for Participation** (industry, SMEs, business, **governmental organisations, regional authorities**, civil society organisations, cultural institutions, hospitals)

If a beneficiary can not award a doctoral degree, , a university or a consortium/grouping of academic/research institutions entitled to award a doctoral degree must be added to the project as an associated partner or an associated partner linked to a beneficiary.

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MINIMUM NUMBER OF PARTICIPATING ORGANISATIONS

Role in the Network	DN	DN-ID	DN-JD
Beneficiary	3	3 1 academic; 1 non-academic	3 doctoral degree-awarding
Associated partner (AP)	No minimum	No minimum	No minimum

The number of AP must be reasonable and commensurate with the size of the network

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LEVEL OF PROJECT PARTICIPATION
ROLE IN THE PROJECT

Beneficiaries: signatory to the grant agreement

- Full partners
- They contribute directly to the implementation of the transfer of knowledge and training activities
- Must recruit and enrol at least 1 fellow
- Claim costs directly

Linked associated partners:

- with a capital/legal link with the beneficiary
- No right to charge costs or claim contributions
- Type of link and involvement to be described in the proposal and assessed during evaluation

Associated partners: non-signatory of the grant agreement

- Entities which participate in the action but without the right to charge costs or claim contributions (example they can not employ the researchers under the action)
- A **letter of commitment** in the proposal (*basic template provided in the project templates)*

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SUMMARY OF TASKS OF PARTICIPATING ORGANISATIONS

Role in the Network	Recruitment of Researchers	Training and/or Hosting of Seconded Researchers	Participation in Supervisory Board	Directly Claims unit contributions
Beneficiary	Yes	Yes	Yes	Yes
Associated partner (AP)	NO	Yes	Yes	NO

Researchers to be recruited must be **doctoral candidates** (not already in possession of a doctoral degree at the **date of recruitment**)

Researchers who have successfully defended their doctoral thesis but who have not yet formally been awarded the doctoral degree are not eligible

The Project coordinator/manager checks the eligibility at proposal level, and organises the evaluation process afterwards

Researchers of any nationality

Researchers must be **enrolled in a doctoral programme**, in at least 1 EU MS/AC (at least 2 for Joint Doctorates)

Mobility rule: must not have resided or carried out main activity in the country of the recruiting beneficiary for more than 12 months immediately before their recruitment date (*there are exceptions!)*
In case of multiple recruitments (DN-ID or DN), the rule applies to the (**first**) beneficiary where the researcher is recruited

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Recruitment of Researchers

Researchers are recruited for minimum 3 and maximum 36 months.
For **Industrial Doctorates and Joint Doctorates: multiple consecutive recruitment**

Must work **full-time** on the project.
For **Industrial Doctorates:** recruited researchers must spend at least 1/2 of their time in the non-academic sector and max 1/3 in secondment.

Must **be enrolled** in a doctoral programme.
For **Joint Doctorates:** all recruited researchers must be enrolled in a joint, double or multiple degree awarded by at least 2 participating organisations from MS/AC

The selection procedure must be **open, transparent and merit-based**, in line with the **Code of Conduct for the Recruitment of Researchers**.
The vacancy notice must be widely advertised internationally, including **EURAXESS portal**

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Overview

		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	No restrictions	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	No restrictions	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

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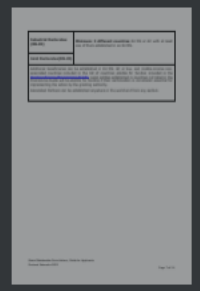

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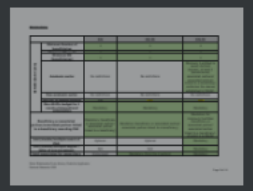

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Researchers enrolment in the PhD	Mandatory	Mandatory	Mandatory
Stay in non-academic sector	Encouraged	Min. 50% of fellowship duration	Encouraged
Secondments	≤ 1/3	No limitation	No limitation
Associated partner: Letter of Commitment	Mandatory		
Ranking lists	8 (Scientific) panels		
Budget	~€427 Million		

Researcher	Researcher unit cost € / person-month			Institutional unit cost € / person-month	
	Living allowance*	Mobility allowance	Family allowance	Research, training and networking costs	Management and indirect costs
Doctoral candidate	3400	600	660	1600	1200

Special needs allowance (if applicable) 1/number of months
The *pre-defined categories are as follows*: EUR 3 000, EUR 4 500, EUR 6 000, EUR 9 500, EUR 13 000, EUR 18 500, EUR 27 500, EUR 35 500, EUR 47 500 and EUR 60 000.

Long-term leave allowance (if applicable)
EUR 4000
% covered by the beneficiary

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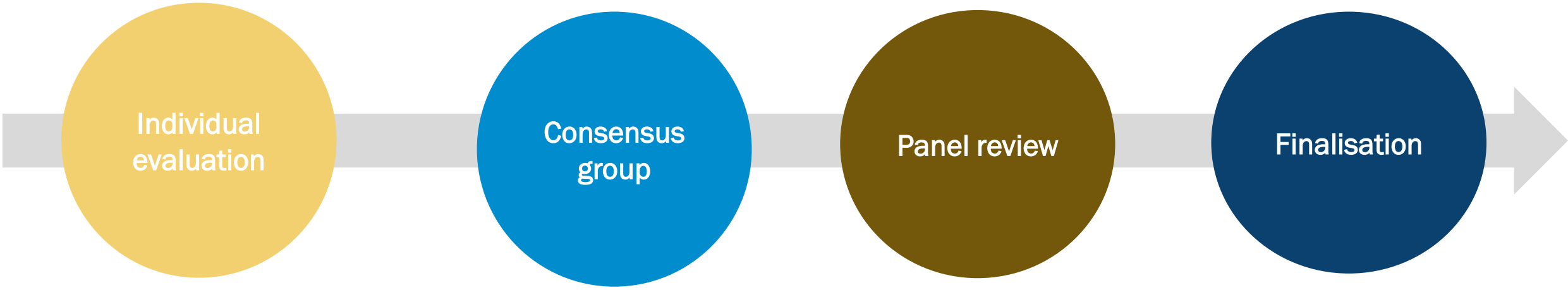
Evaluation process



Experts assess proposals (max 7) **individually and remotely**

Minimum of three experts per proposal. Normally it is 4 evaluators, one of which acting also as **rapporteur**

All individual experts agree on a **common position**, including comments and scores for each proposal (and define **final ESR**)

Meetings (*Vice chair, evaluators and rapporteur*) managed remotely!

The panel of experts reach an **agreement** on the scores and comments for all proposals, checking **consistency across the evaluations**

Rank the proposals per scientific panel (there are 8 panels)

Final ranking list by REA, and ESRs sent to all applicants

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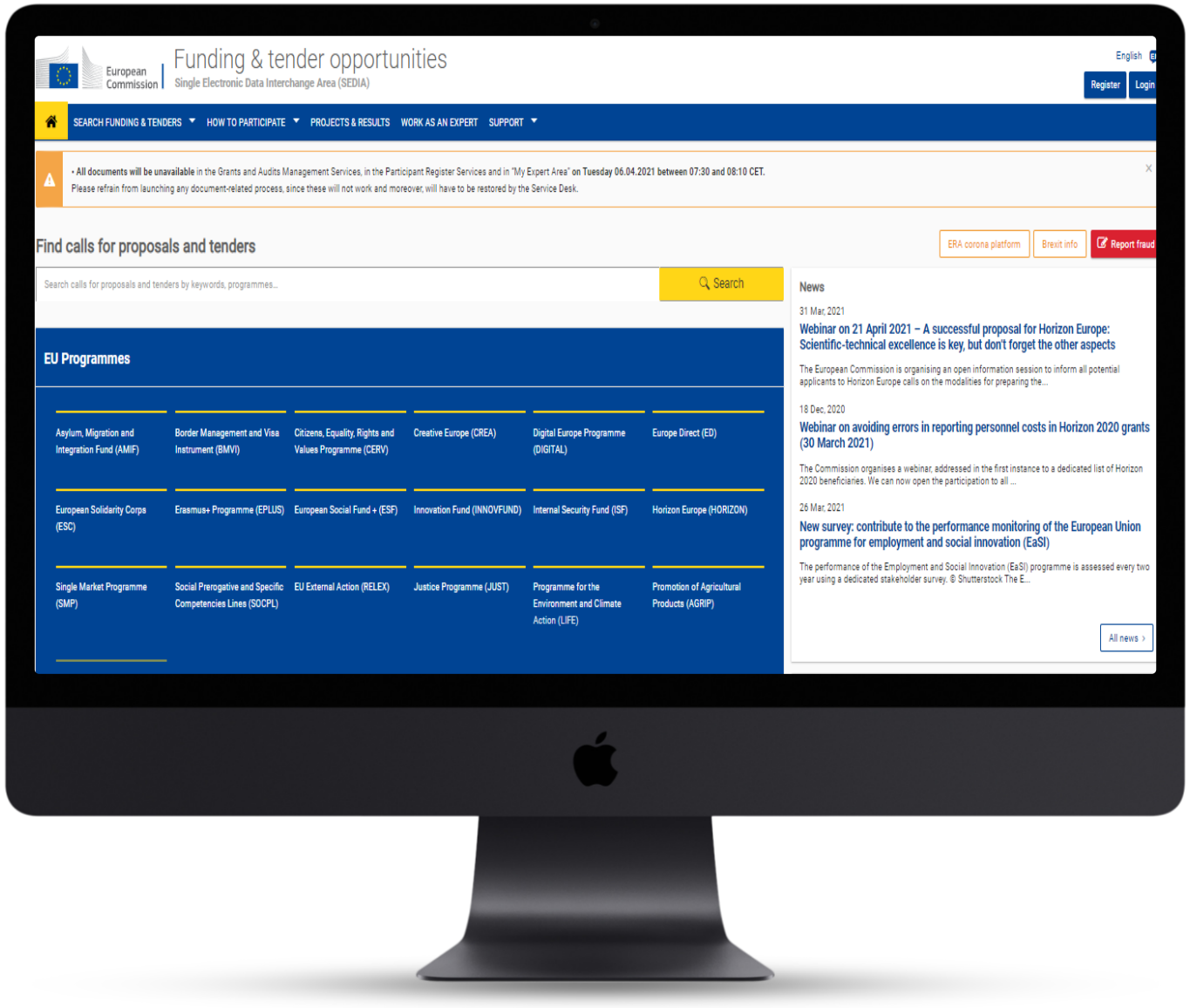
HOW TO CREATE AND SUBMIT MSCA DN PROPOSALS?

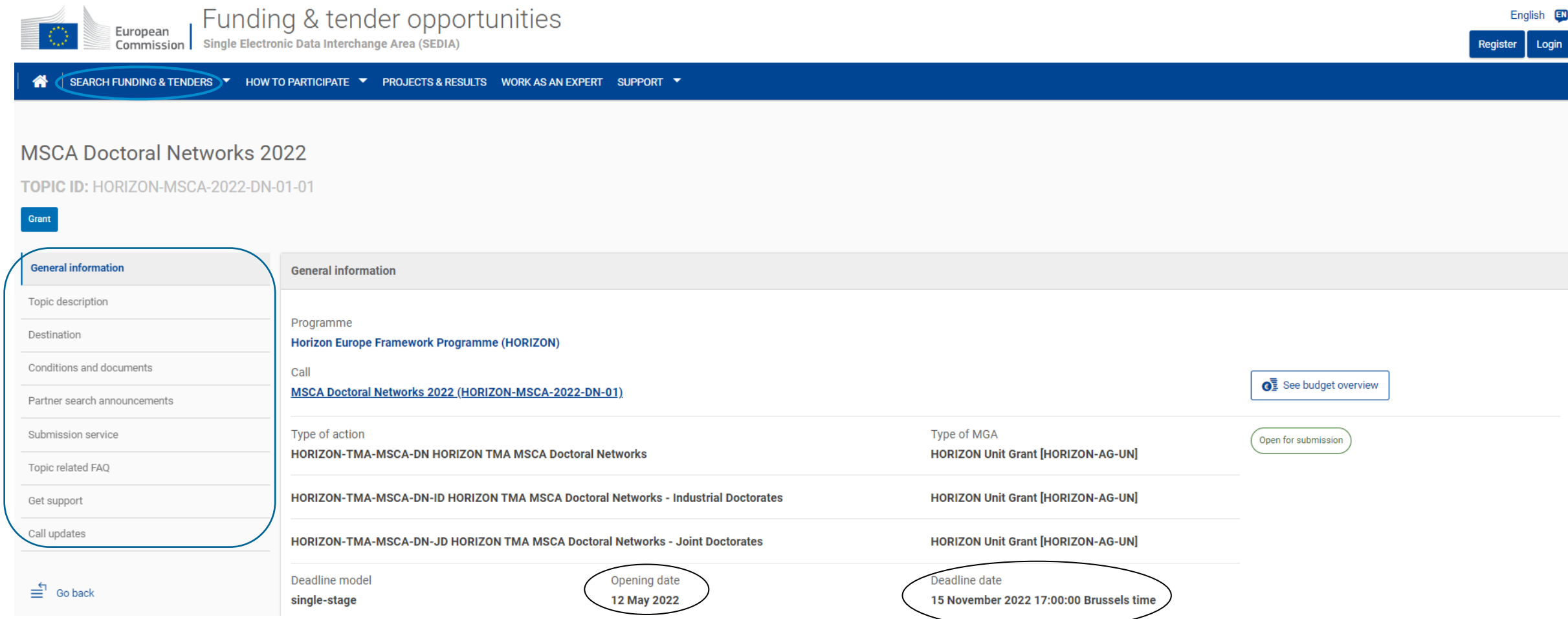


Funding & tender opportunities portal

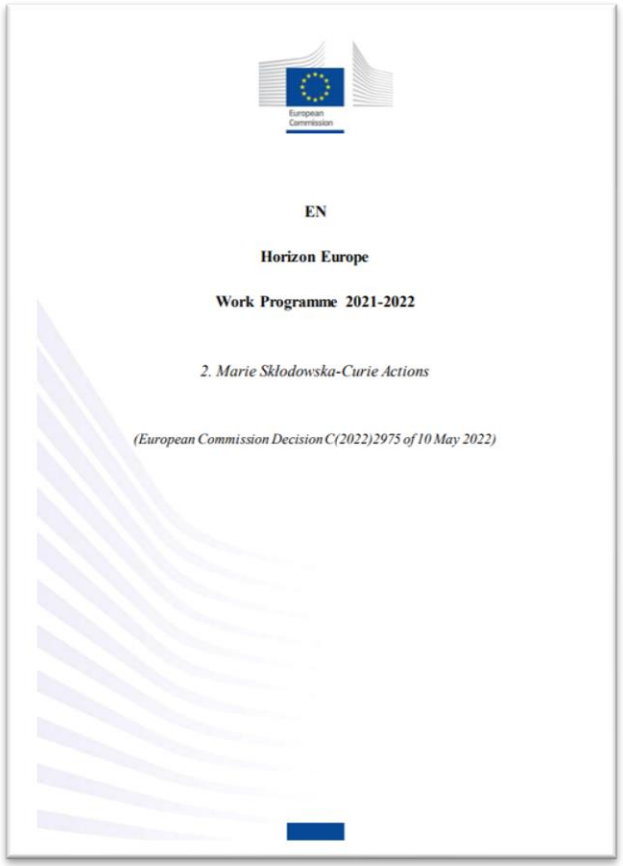
Portal for applicants to the EU programmes:

- Information on calls
- Supporting documents, manuals
- Partner search
- Dashboard
- Experts: you can register to get experience as evaluator!!
- Support

Website of the MSCA DN Call 2022

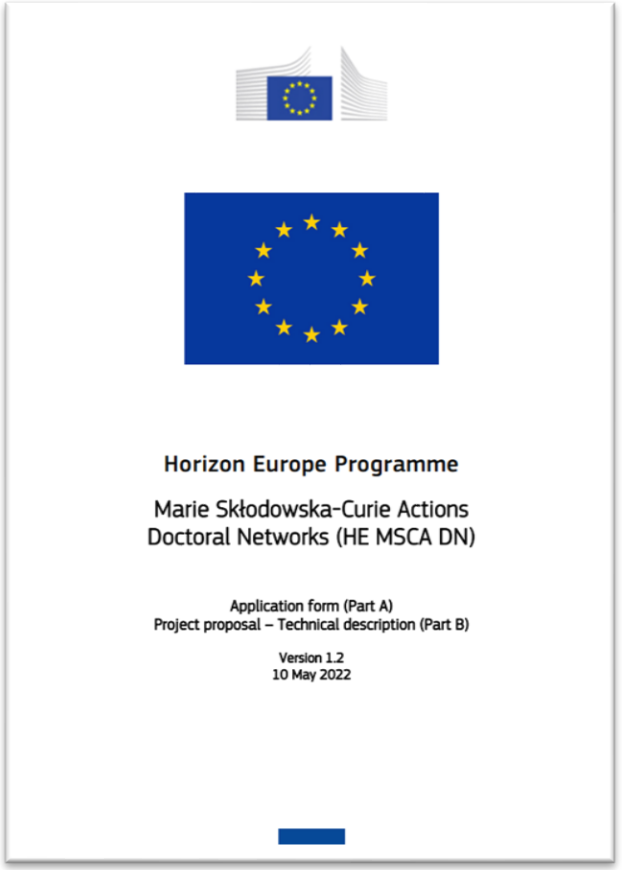


Supporting documents



[MSCA Work Programme 2021-2022](#) (10 May)

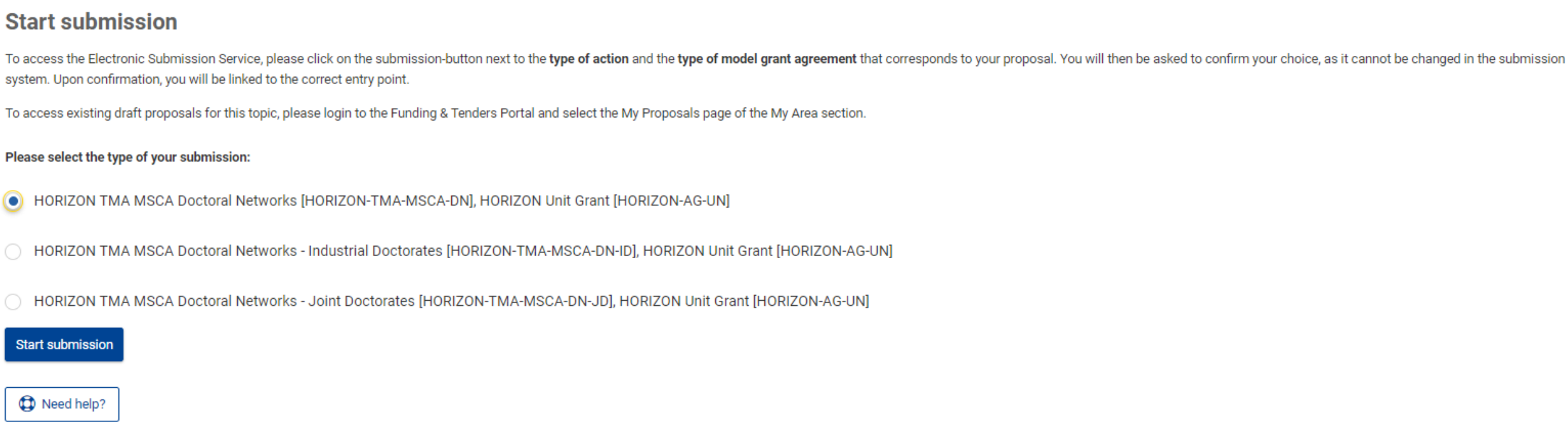
[Guide for Applicants](#)



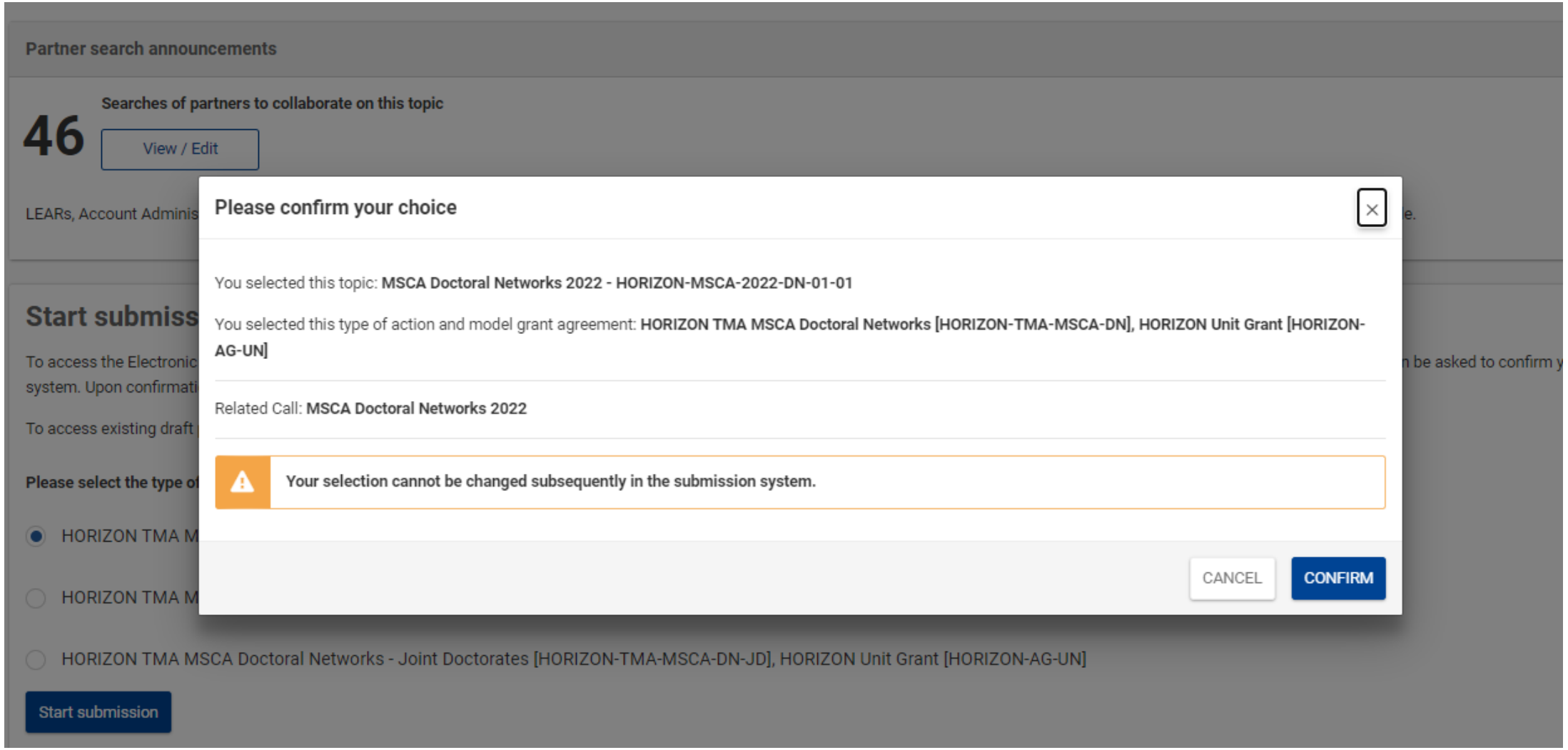
[Application Form](#) (Technical Description)

How to create a proposal?

Log in to EU Login.
Choose the type of Action.
Click on **Start submission.**

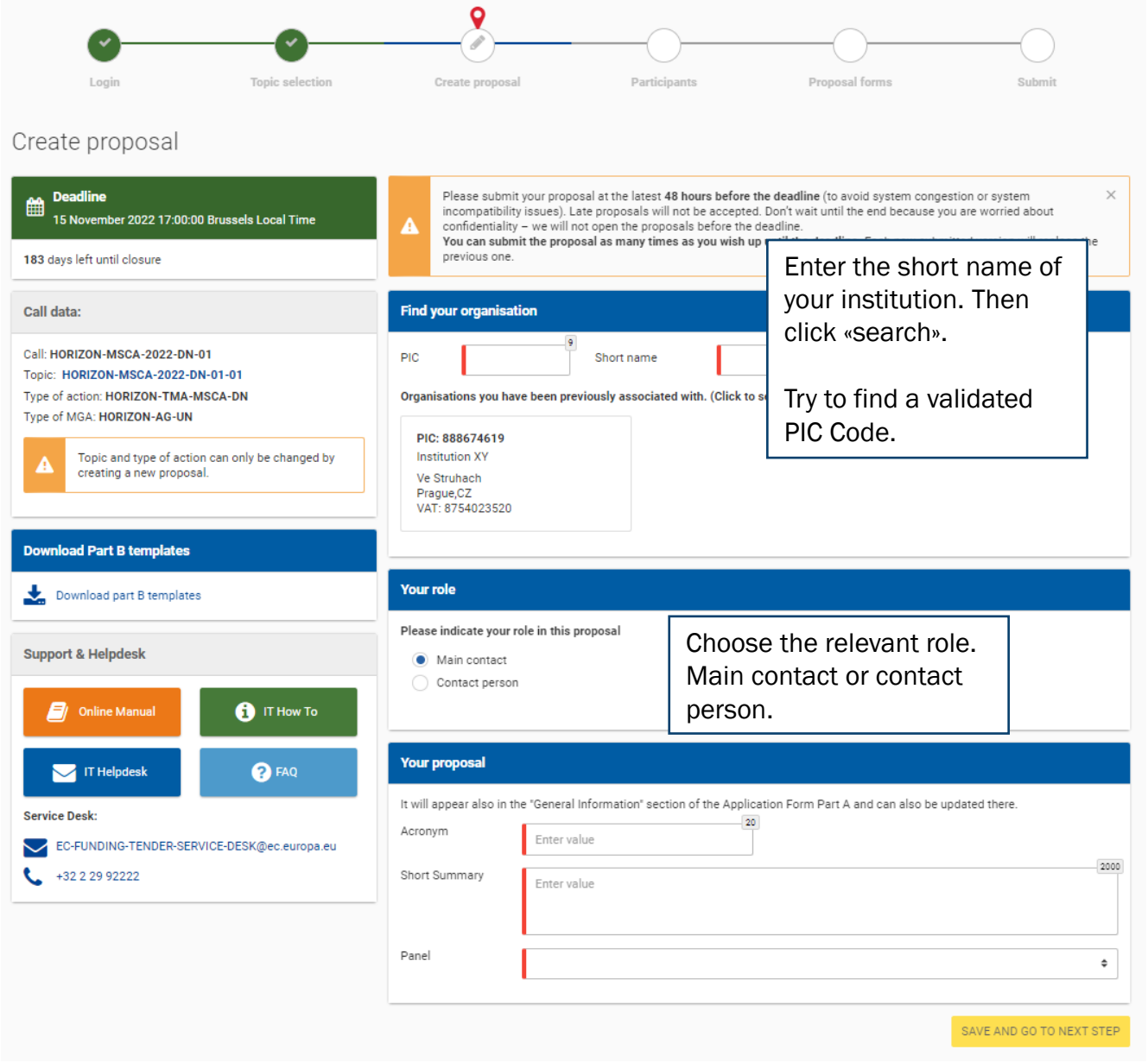


Confirm the type of action

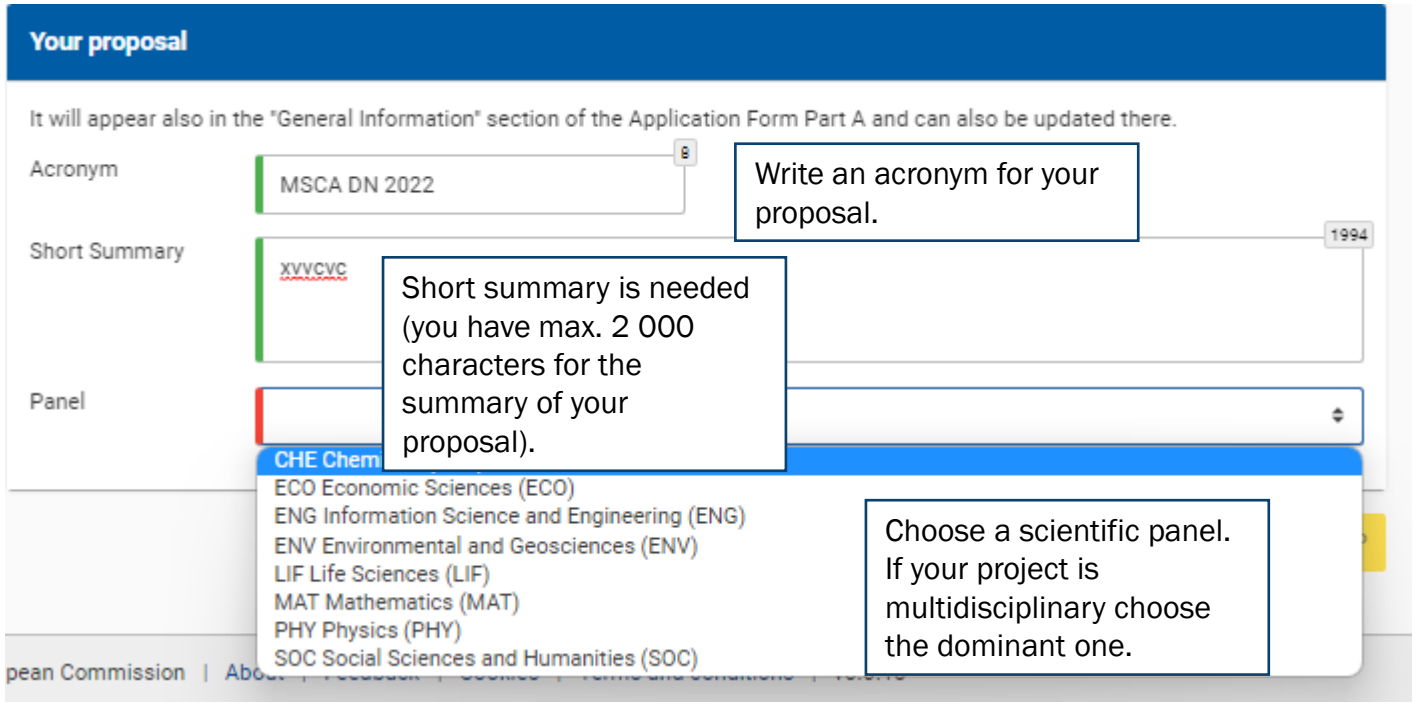


Create a draft proposal

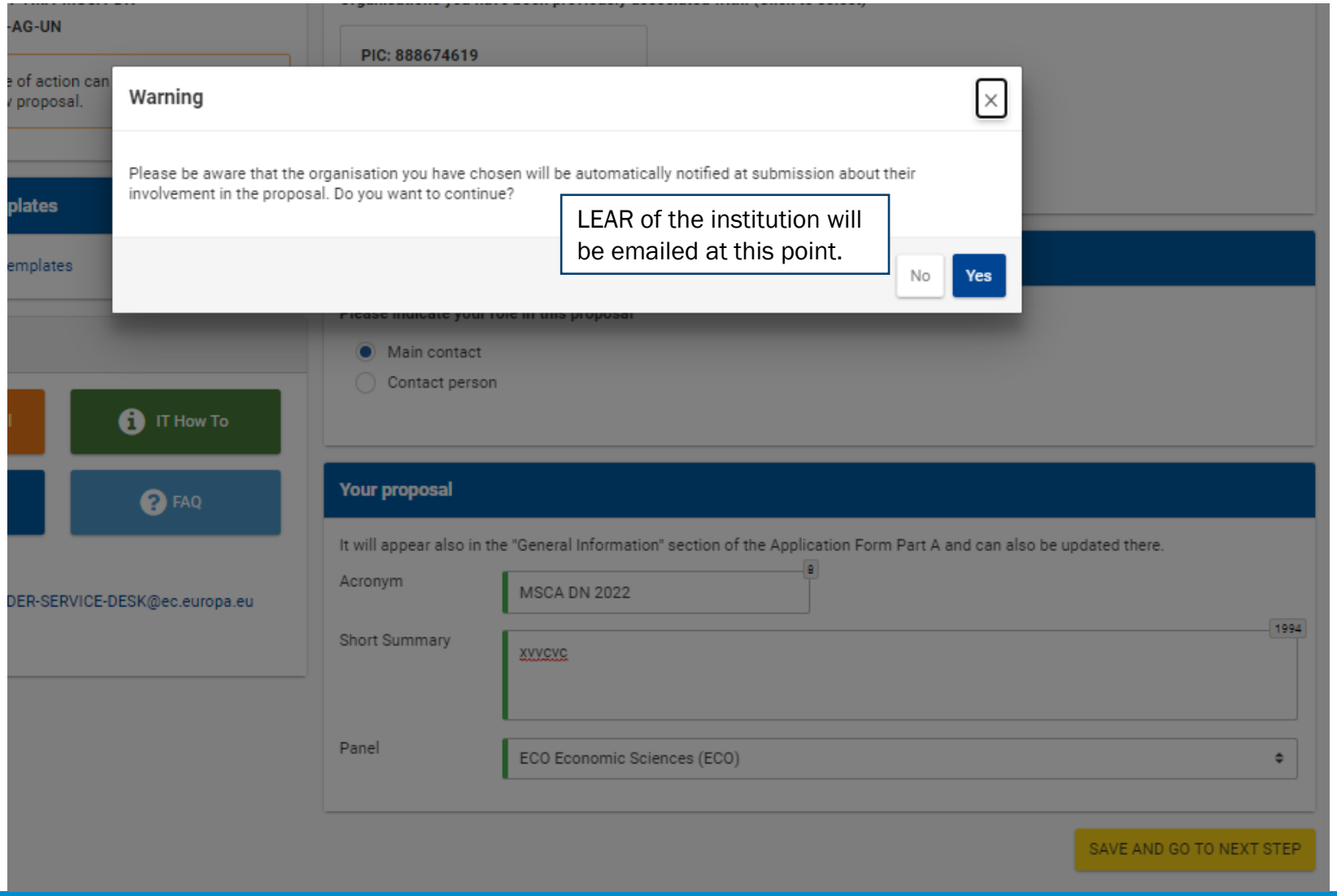
Download Part B templates



Your proposal



Automatic notification

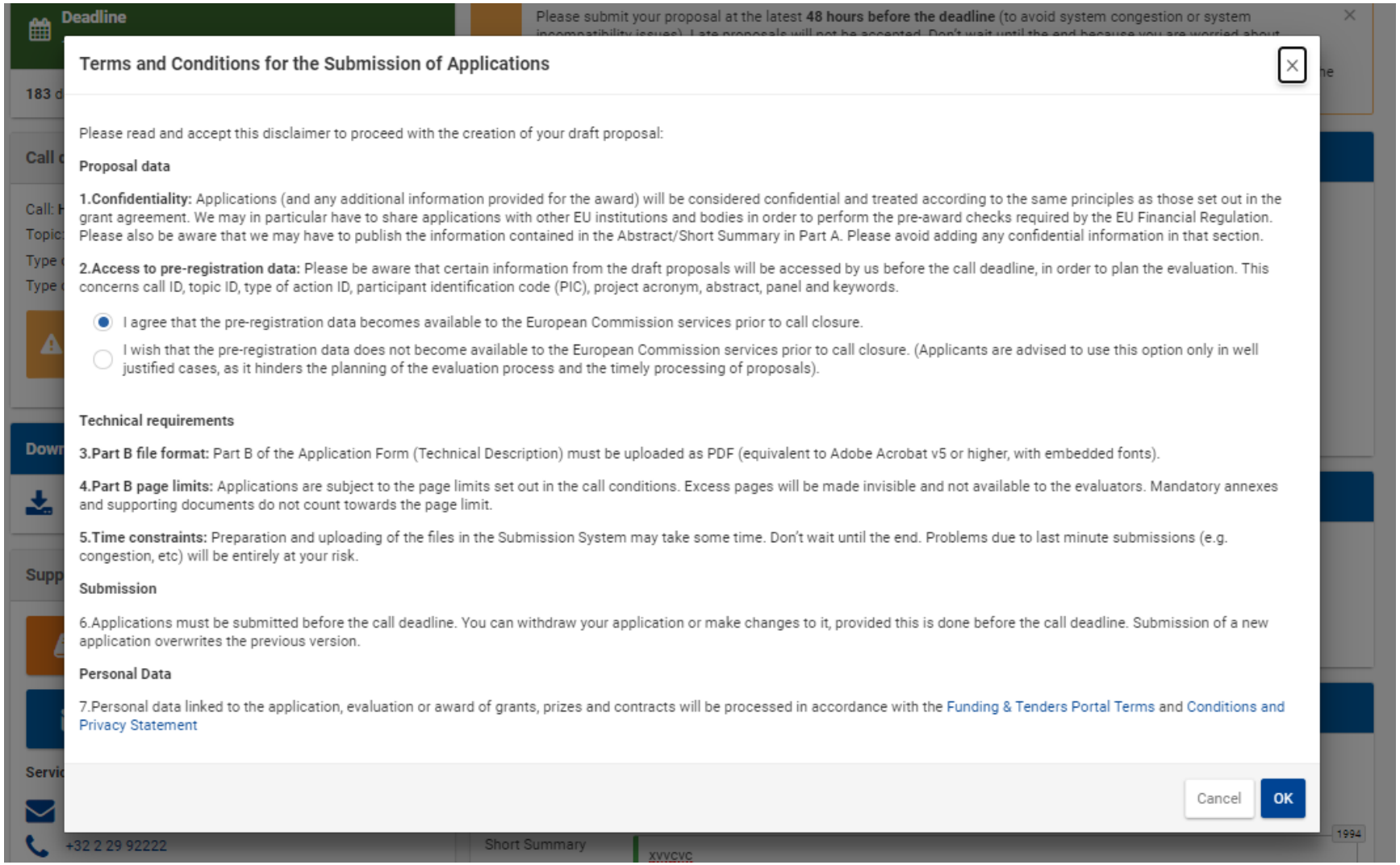


Disclaimer

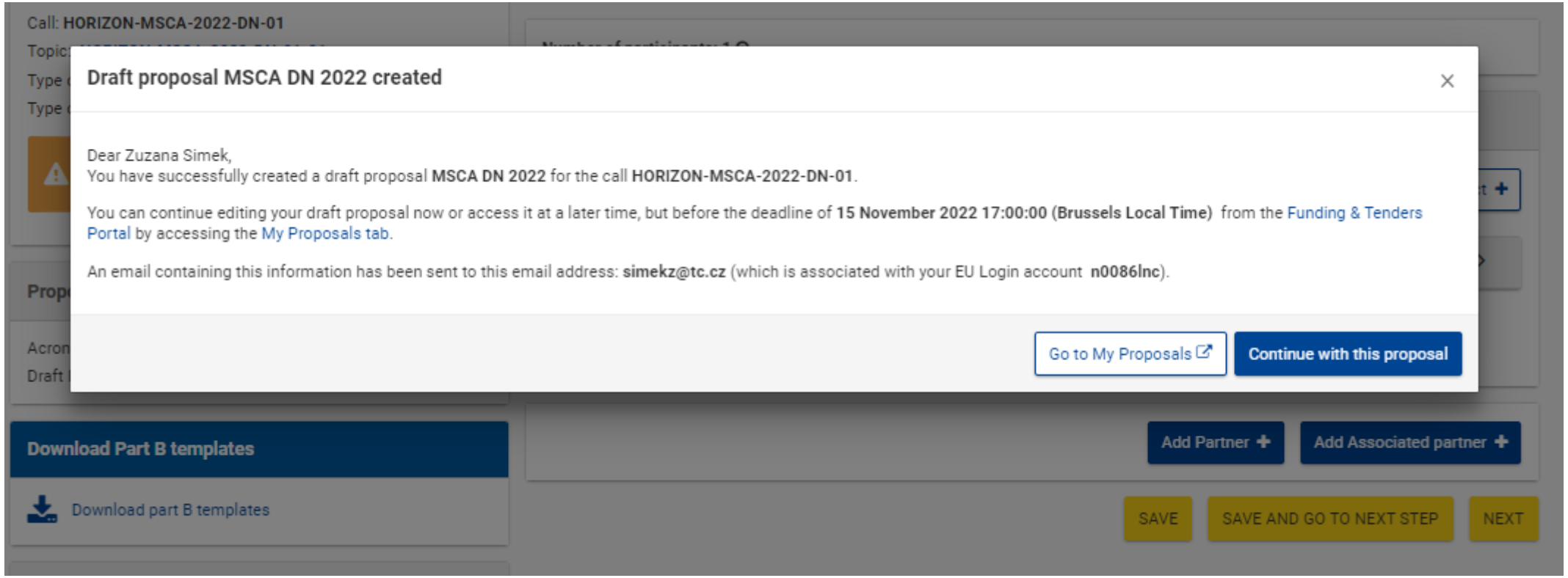
Read and accept..

(click on the sentence «I agree…» or «I wish…»)

This choice will not affect positively or negatively your application.

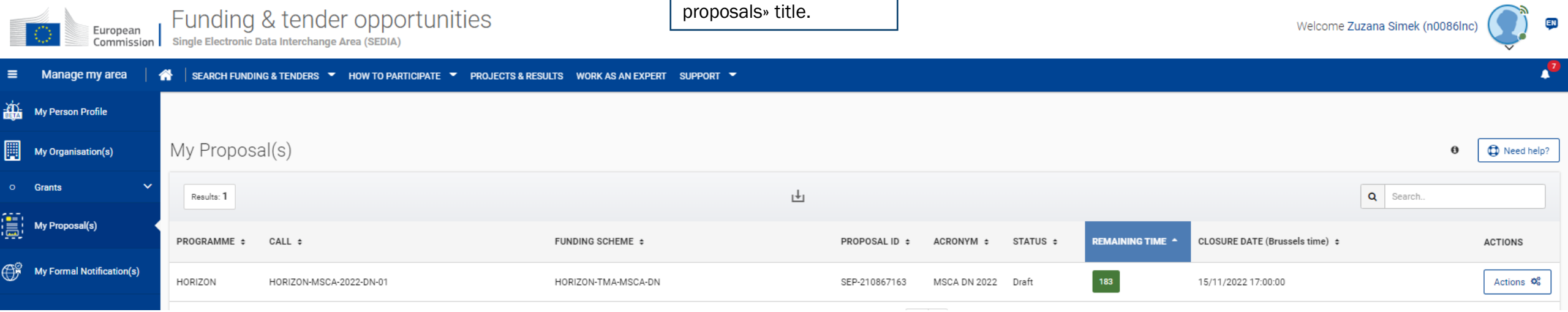


Draft proposal created



My proposals

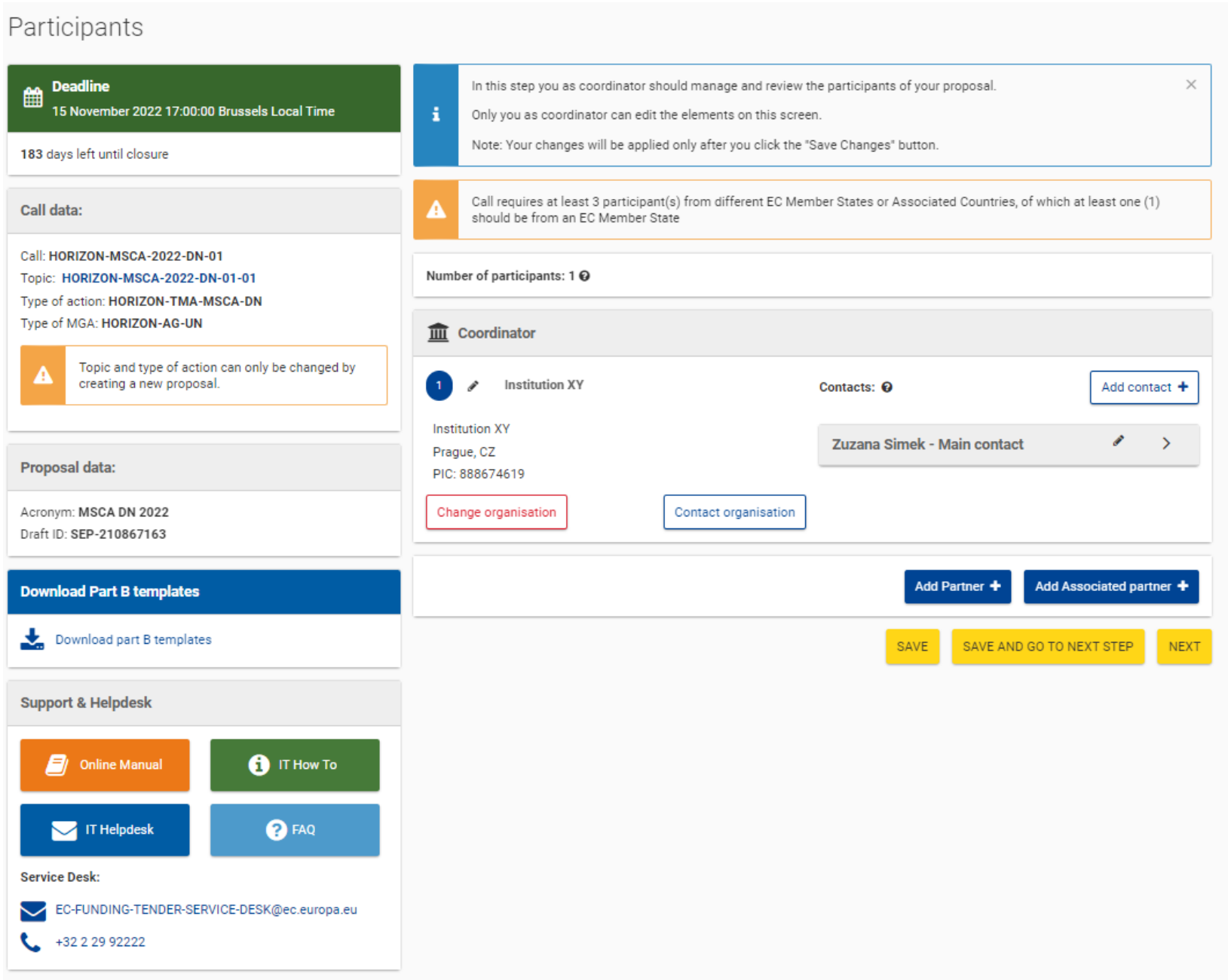
Next time when you log into the online system with your email address and password, you can see your previous proposal under «my proposals» title.



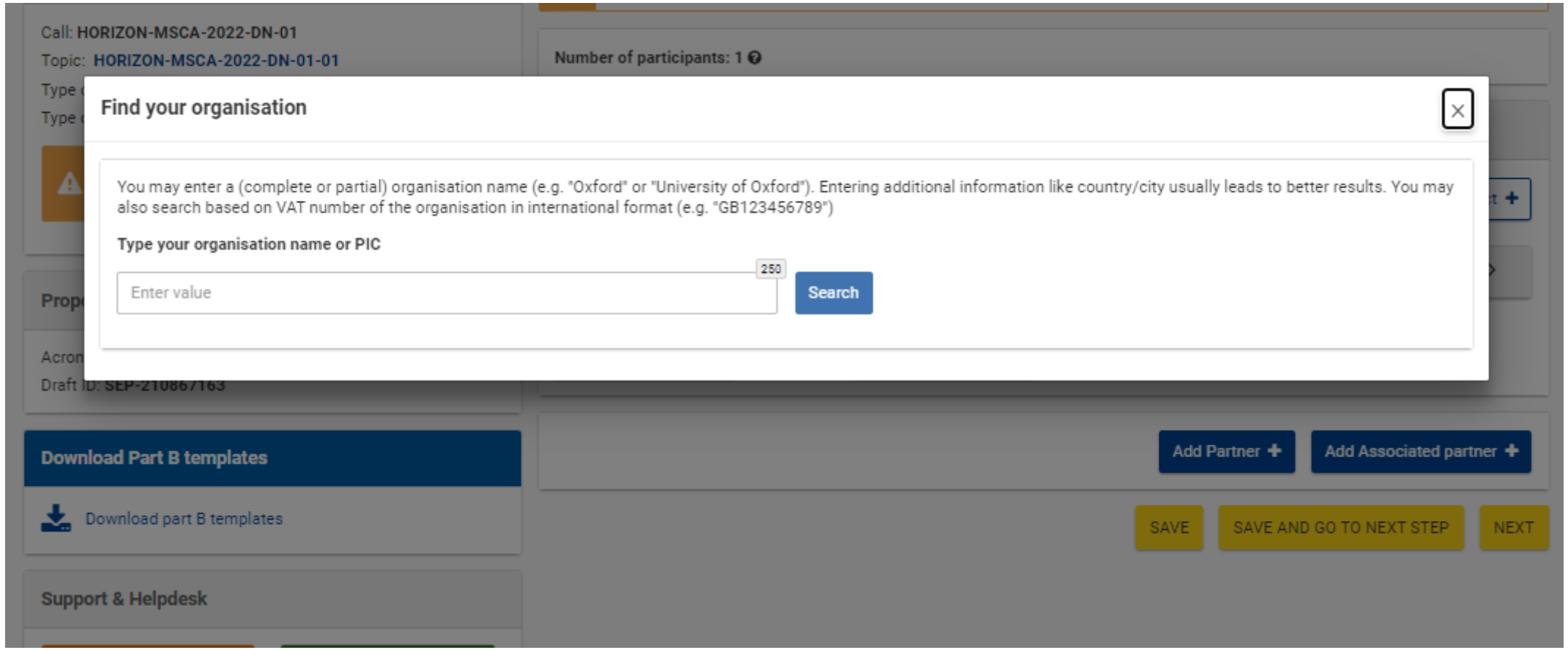
Click Edit Draft to continue to fulfill the forms.

Edit proposals´ forms

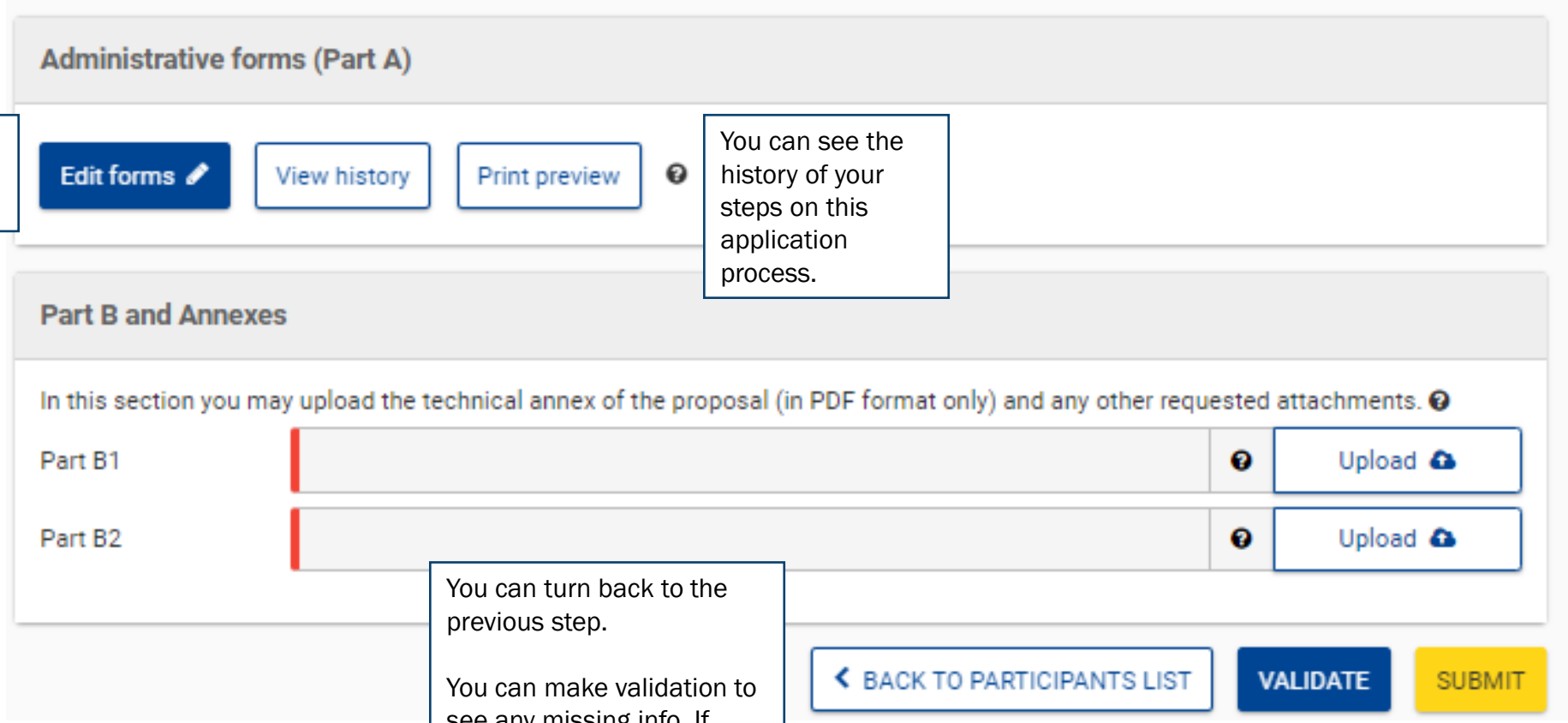
You must use the MSCA DN proposal 2022 templates to write your proposal. You can download them from the left menu if you don't have them yet. When you write your proposal as a «word» document (B1 and B2 separately), you will turn them into pdf (both documents separately) and upload here.



Participants



Proposal parts



Click here to reach the A forms to fulfill.

You can see the history of your steps on this application process.

You can turn back to the previous step.

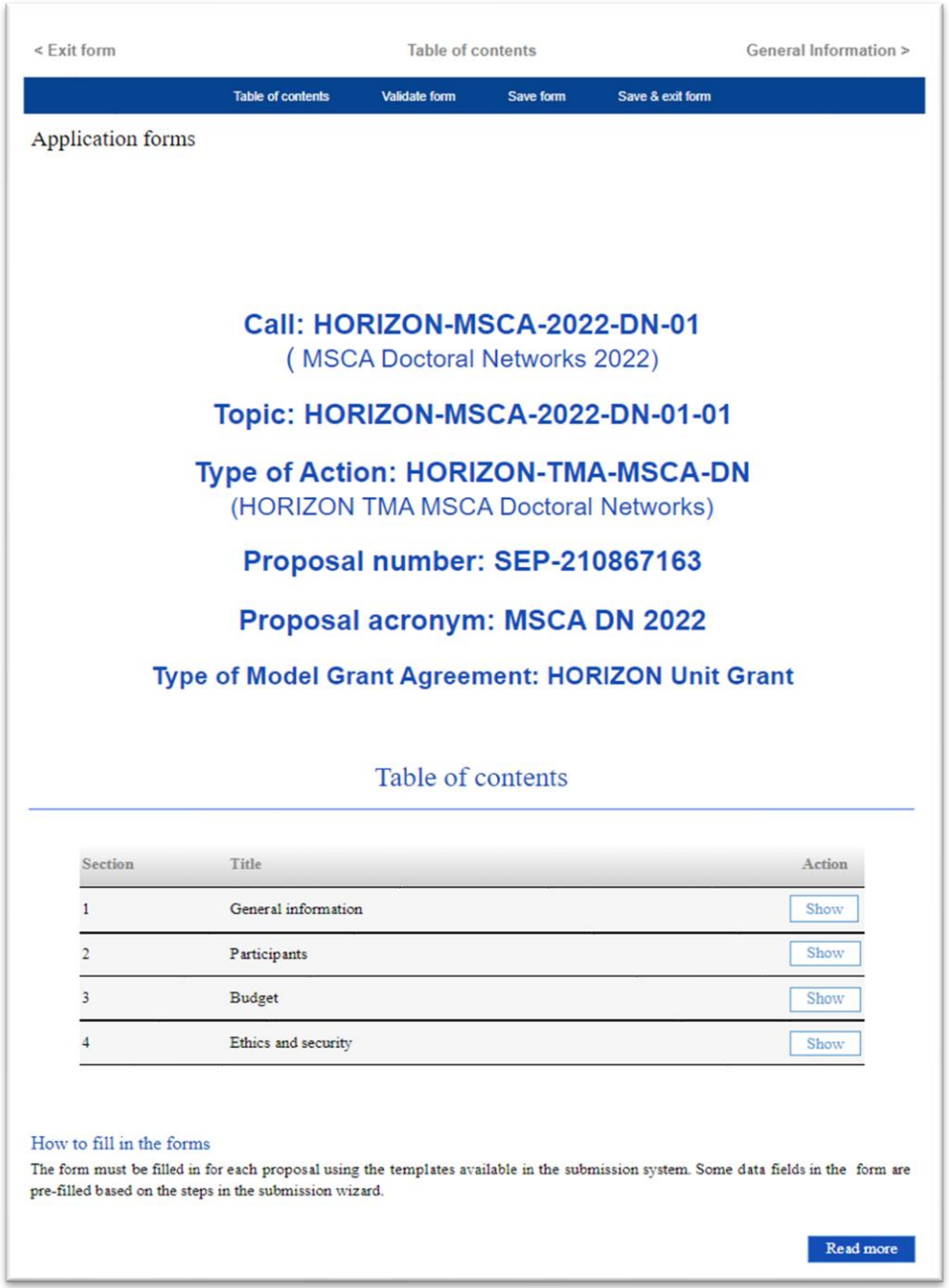
You can make validation to see any missing info. If nothing missing, you can submit your proposal. RE-submissions are possible till the deadline.

Proposal

You can save the information you entered to the form. You don't need to fulfill all information as soon as you open the portal. You have time till the deadline.

You must open each section one by one and fulfill all information. Follow the instructions.

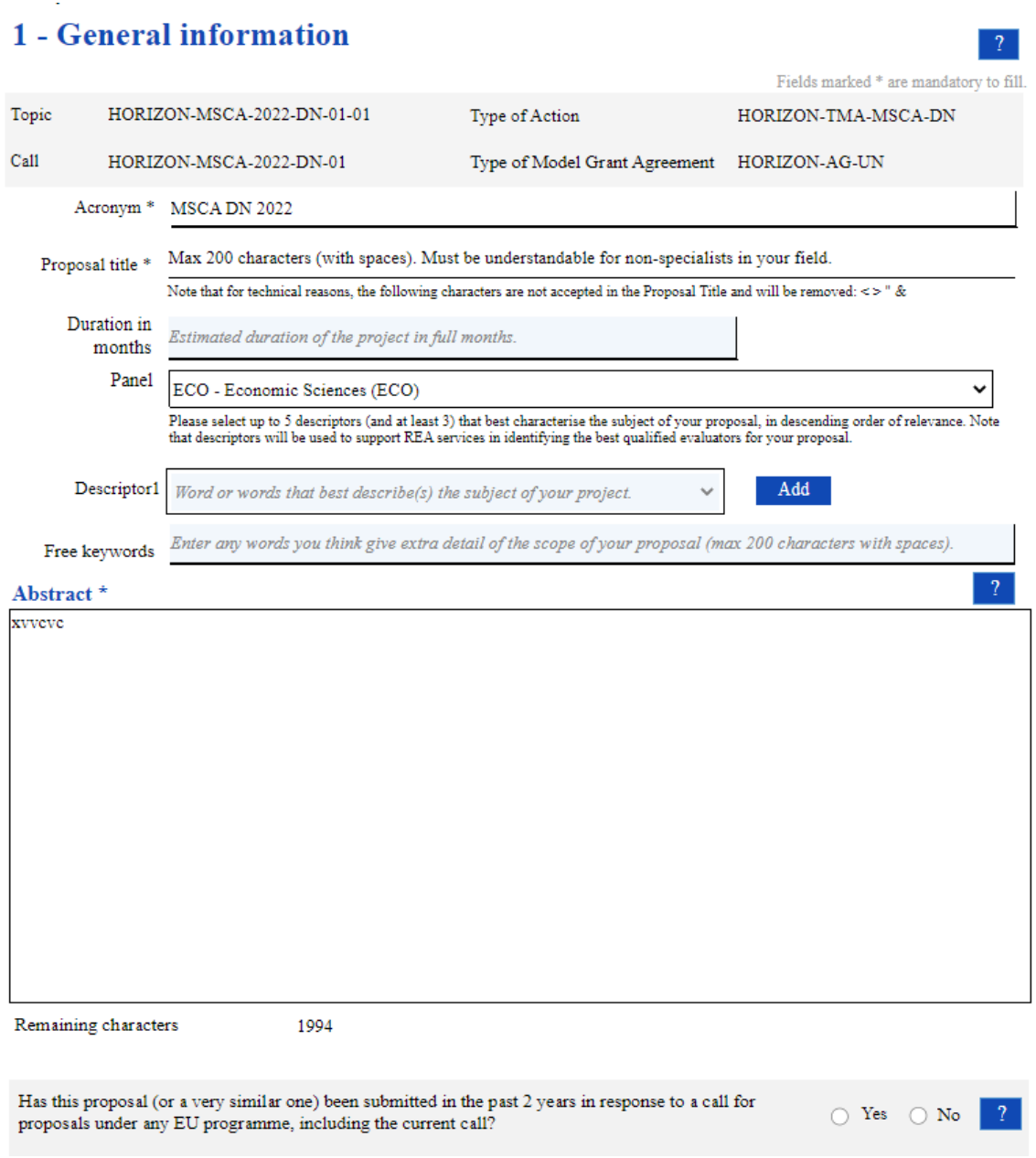
Each time do not forget to «save» the changes you made on the form.



After saving the changes, you can pass to the other page of the forms..

General information

Descriptor /Free keywords: They are important because the evaluators for your proposal will be chosen according to this information you give.



1 - General information

Fields marked * are mandatory to fill.

Topic	HORIZON-MSCA-2022-DN-01-01	Type of Action	HORIZON-TMA-MSCA-DN
Call	HORIZON-MSCA-2022-DN-01	Type of Model Grant Agreement	HORIZON-AG-UN

Acronym * MSCA DN 2022

Proposal title * Max 200 characters (with spaces). Must be understandable for non-specialists in your field.

Note that for technical reasons, the following characters are not accepted in the Proposal Title and will be removed: < > " &

Duration in months *Estimated duration of the project in full months.*

Panel ECO - Economic Sciences (ECO)

Please select up to 5 descriptors (and at least 3) that best characterise the subject of your proposal, in descending order of relevance. Note that descriptors will be used to support REA services in identifying the best qualified evaluators for your proposal.

Descriptor1 *Word or words that best describe(s) the subject of your project.* Add

Free keywords *Enter any words you think give extra detail of the scope of your proposal (max 200 characters with spaces).*

Abstract *

xvvcvc

Remaining characters 1994

Has this proposal (or a very similar one) been submitted in the past 2 years in response to a call for proposals under any EU programme, including the current call? Yes No

Organisation data

Thanks to the PIC code you selected/entered at first step, most of the information will be automatically seen here.

Please fulfill the missing parts only.

Organisation data

PIC	Legal name
888674619	*Institution XY*

Short name: Institution XY

Address

Street	Ve Struhach
Town	Prague
Postcode	160 00
Country	Czechia
Webpage	

Specific Legal Statuses

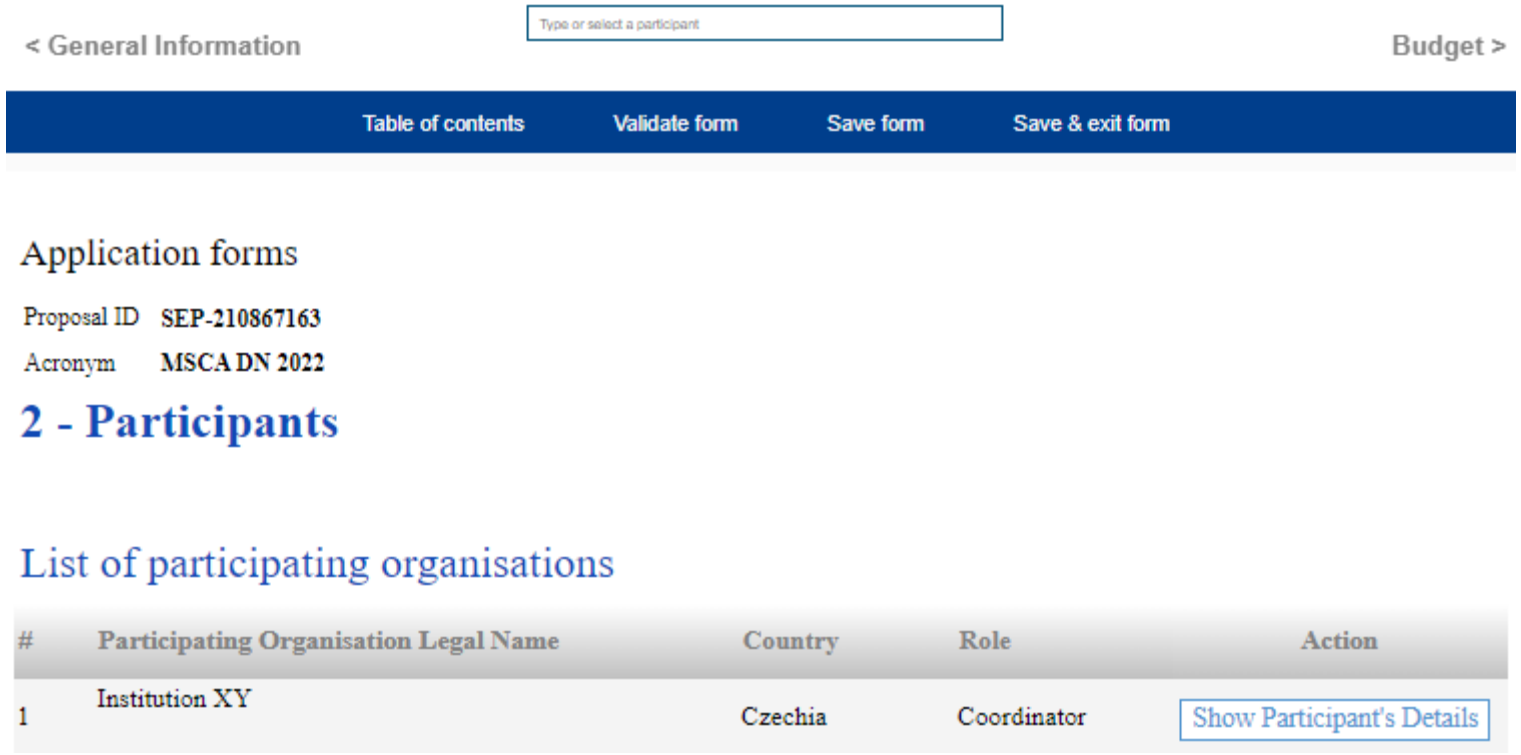
Legal person	yes	Academic Sector	no
Public body	yes		
Non-profit	yes		
International organisation	no		
Secondary or Higher education establishment	no		
Research organisation	no		

SME Data

Based on the below details from the Participant Registry the organisation is not an SME (small- and medium-sized enterprise) for the call.

SME self-declared status	04/11/2021 - no
SME self-assessment	unknown
SME validation	unknown

Participants



Gender equality plan (GEP)

Obligation for the institutions to adopt GEP before grant agreement signature

Gender Equality Plan

Does the organization have a Gender Equality Plan (GEP) covering the elements listed below? ○ Yes ◉ No

Minimum process-related requirements (building blocks) for a GEP

- **Publication:** formal document published on the institution's website and signed by the top management
- **Dedicated resources:** commitment of human resources and gender expertise to implement it.
- **Data collection and monitoring:** sex/gender disaggregated data on personnel (and students for establishments concerned) and annual reporting based on indicators.
- **Training:** Awareness raising/trainings on gender equality and unconscious gender biases for staff and decision-makers.
- **Content-wise, recommended areas** to be **covered** and addressed via concrete measures and targets are:
    - work-life balance and organisational culture;
    - gender balance in leadership and decision-making;
    - gender equality in recruitment and career progression;
    - integration of the gender dimension into research and teaching content;
    - measures against gender-based violence including sexual harassment.

Budget

Application forms

Proposal ID **SEP-210867163**

Acronym **MSCA DN 2022**

3 - Budget

Participant number	Organisation short name	Role	Country	Country correction coefficient	Academic sector	IO	No of recruited researchers	Number of person months	Contributions for recruited researchers			Institutional contributions		Total
									Living allowance	Mobility allowance	Family allowance	Research, training and networking costs	Management and indirect costs	
1	Institution XY	Coordinator	CZ	0.791	No	No	0	0	0.00	0	0	0	0	0.00
Total							0	0	0.00	0	0	0	0	0.00

Budget of your proposal will be automatically calculated based on the number of recruited researchers and number of person months.

Ethics

Please fulfill the whole table. Do not hesitate to say «yes» if any question needs to be replied as «yes».

4 - Ethics & security

Ethics Issues Table ?

1. Human Embryonic Stem Cells and Human Embryos		Page
Does this activity involve Human Embryonic Stem Cells (hESCs)?	○ Yes ◉ No	
Does this activity involve the use of human embryos?	○ Yes ◉ No	
2. Humans		**Page**
Does this activity involve human participants?	○ Yes ◉ No	
Does this activity involve interventions (physical also including imaging technology, behavioural treatments, etc.) on the study participants?	○ Yes ◉ No	
Does this activity involve conducting a clinical study as defined by the Clinical Trial Regulation (EU 536/2014)? (using pharmaceuticals, biologicals, radiopharmaceuticals, or advanced therapy medicinal products)	○ Yes ◉ No	
3. Human Cells / Tissues (not covered by section 1)		**Page**
Does this activity involve the use of human cells or tissues?	○ Yes ◉ No	
4. Personal Data		**Page**
Does this activity involve processing of personal data?	○ Yes ◉ No	
Does this activity involve further processing of previously collected personal data (including use of preexisting data sets or sources, merging existing data sets)?	○ Yes ◉ No	
Is it planned to export personal data from the EU to non-EU countries? Specify the type of personal data and countries involved	○ Yes ◉ No	
Is it planned to import personal data from non-EU countries into the EU or from a non-EU country to another non-EU country? Specify the type of personal data and countries involved	○ Yes ◉ No	
Does this activity involve the processing of personal data related to criminal convictions or offences?	○ Yes ◉ No	
5. Animals		**Page**
Does this activity involve animals?	○ Yes ◉ No	
6. Non-EU Countries		**Page**
Will some of the activities be carried out in non-EU countries?	○ Yes ◉ No	
In case non-UE countries are involved, do the activities undertaken in these countries raise potential ethics issues?	○ Yes ◉ No	
It is planned to use local resources (e.g. animal and/or human tissue samples, genetic material, live animals, human remains, materials of historical value, endangered fauna or flora samples, etc.)?	○ Yes ◉ No	
Is it planned to import any material (other than data) from non-EU countries into the EU or from a non-EU country to another non-EU country? For data imports, see section 4.	○ Yes ◉ No	
Is it planned to export any material (other than data) from the EU to non-EU countries? For data exports, see section 4.	○ Yes ◉ No	
Does this activity involve low and/or lower middle income countries, (if yes, detail the benefit-sharing actions planned in the self-assessment)	○ Yes ◉ No	
Could the situation in the country put the individuals taking part in the activity at risk?	○ Yes ◉ No	
7. Environment, Health and Safety		**Page**
Does this activity involve the use of substances or processes that may cause harm to the environment, to animals or plants.(during the implementation of the activity or further to the use of the results, as a possible impact) ?	○ Yes ◉ No	
Does this activity deal with endangered fauna and/or flora / protected areas?	○ Yes ◉ No	
Does this activity involve the use of substances or processes that may cause harm to humans, including those performing the activity.(during the implementation of the activity or further to the use of the results, as a possible impact) ?	○ Yes ◉ No	
8. Artificial Intelligence		**Page**
Does this activity involve the development, deployment and/or use of Artificial Intelligence? (if yes, detail in the self-assessment whether that could raise ethical concerns related to human rights and values and detail how this will be addressed).	○ Yes ◉ No	
9. Other Ethics Issues		**Page**
Are there any other ethics issues that should be taken into consideration?	○ Yes ◉ No	

I confirm that I have taken into account all ethics issues above and that, if any ethics issues apply, I will complete the ethics self-assessment as described in the guidelines How to Complete your Ethics Self-Assessment ☐ ?

All applicants are required to complete an **Ethics Issues Table (EIT)** in the Part A of the proposal. Applicants who flag ethical issues in the EIT also have to complete a more in depth **Ethics Self-Assessment.**

Also check the guidelines:
How to Complete your Ethics Self-Assessment

Ethics self-assessment

Ethics Self-Assessment ?

Ethical dimension of the objectives, methodology and likely impact

Explain in detail the identified issues in relation to:
- objectives of the activities (e.g. study of vulnerable populations, etc.)
- methodology (e.g. clinical trials, involvement of children, protection of personal data, etc.)
- the potential impact of the activities (e.g. environmental damage, stigmatisation of particular social groups, political or financial adverse consequences, misuse, etc.)

Remaining characters 5000

Compliance with ethical principles and relevant legislations

Describe how the issue(s) identified in the ethics issues table above will be addressed in order to adhere to the ethical principles and what will be done to ensure that the activities are compliant with the EU/national legal and ethical requirements of the country or countries where the tasks are to be carried out. It is reminded that for activities performed in a non-EU countries, they should also be allowed in at least one EU Member State.

Remaining characters 5000

Security issues (newly in HE)

Security issues table ?

1. EU Classified Information (EUCI)[2]		Page
Does this activity involve information and/or materials requiring protection against unauthorised disclosure (EUCI)?	○ Yes ◉ No	
Does this activity involve non-EU countries?	○ Yes ◉ No	
2. Misuse		**Page**
Does this activity have the potential for misuse of results?	○ Yes ◉ No	
3. Other Security Issues		**Page**
Does this activity involve information and/or materials subject to national security restrictions? If yes, please specify: (Maximum number of characters allowed: 1000)	○ Yes ◉ No	
Are there any other security issues that should be taken into consideration?If yes, please specify: (Maximum number of characters allowed: 1000)	○ Yes ◉ No	

[2]According to the Commission Decision (EU, Euratom) 2015/444 of 13 March 2015 on the security rules for protecting EU classified information, European Union classified information (EUCI) means any information or material designated by an EU security classification, the unauthorised disclosure of which could cause varying degrees of prejudice to the interests of the European Union or of one or more of the Member States.

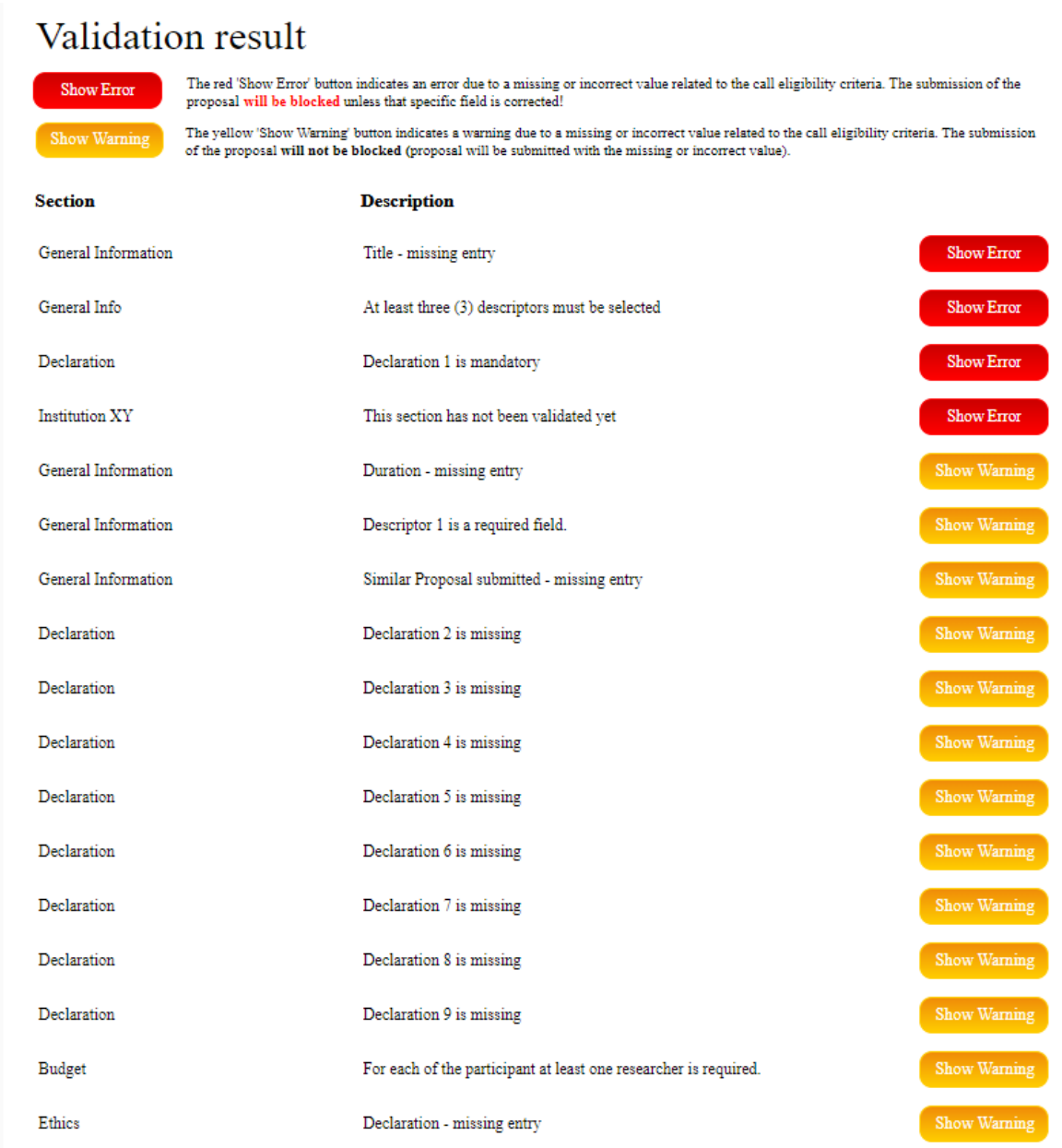
[3]Classified background information is information that is already classified by a country and/or international organisation and/or the EU and is going to be used by the project. In this case, the project must have in advance the authorisation from the originator of the classified information, which is the entity (EU institution, EU Member State, third state or international organisation) under whose authority the classified information has been generated.

[4]EU classified foreground information is information (documents/deliverables/materials) planned to be generated by the project and that needs to be protected from unauthorised disclosure. The originator of the EUCI generated by the project is the European Commission.

Validation result

See the validation results.
When you fill in all the information there will not be any validation errors.

If you didn't fill in every part of the form (obligatory parts) you can see the missing parts under validation results title.
You cannot submit your proposal before you remove all those errors.



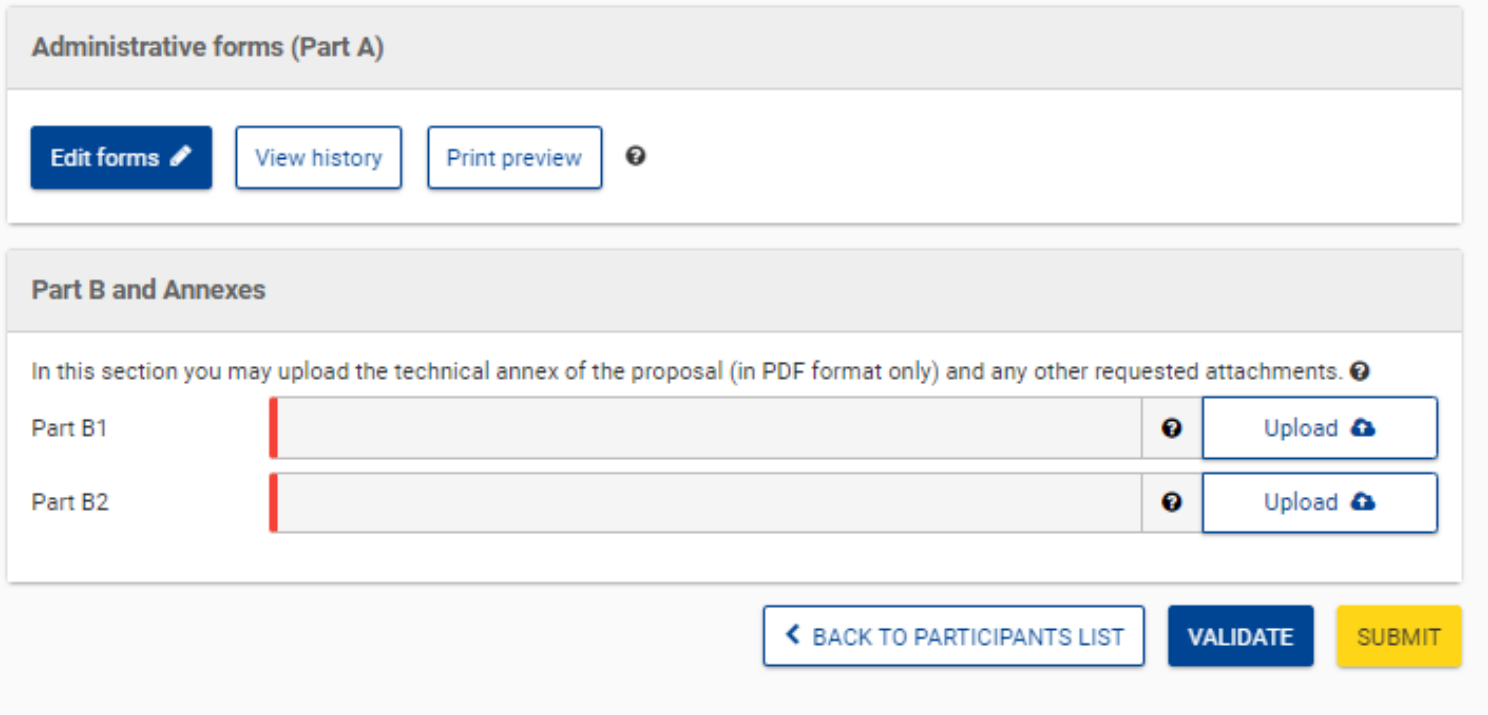
Validation result

Show Error — The red 'Show Error' button indicates an error due to a missing or incorrect value related to the call eligibility criteria. The submission of the proposal will be blocked unless that specific field is corrected!

Show Warning — The yellow 'Show Warning' button indicates a warning due to a missing or incorrect value related to the call eligibility criteria. The submission of the proposal **will not be blocked** (proposal will be submitted with the missing or incorrect value).

Section	Description	
General Information	Title - missing entry	Show Error
General Info	At least three (3) descriptors must be selected	Show Error
Declaration	Declaration 1 is mandatory	Show Error
Institution XY	This section has not been validated yet	Show Error
General Information	Duration - missing entry	Show Warning
General Information	Descriptor 1 is a required field.	Show Warning
General Information	Similar Proposal submitted - missing entry	Show Warning
Declaration	Declaration 2 is missing	Show Warning
Declaration	Declaration 3 is missing	Show Warning
Declaration	Declaration 4 is missing	Show Warning
Declaration	Declaration 5 is missing	Show Warning
Declaration	Declaration 6 is missing	Show Warning
Declaration	Declaration 7 is missing	Show Warning
Declaration	Declaration 8 is missing	Show Warning
Declaration	Declaration 9 is missing	Show Warning
Budget	For each of the participant at least one researcher is required.	Show Warning
Ethics	Declaration - missing entry	Show Warning

Submission



If everything is ready, you can submit your proposal (before the deadline).
When you upload a new document, and re-submit your proposal, the last uploaded document will be saved by the system.

SOURCES: European Commission

Thank you for your attention. Good luck with your proposals ☺

Zuzana Šimek (Čapková)

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www.tc.cz

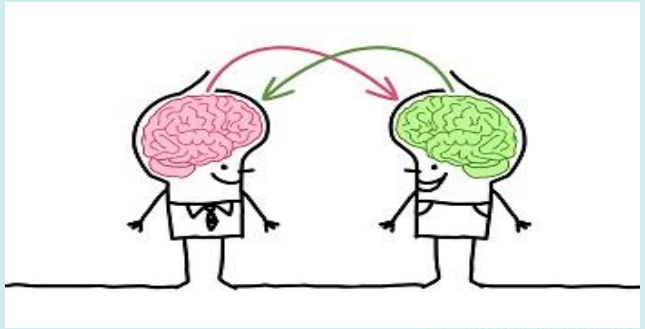
Katia Insogna
Horizon Europe Funding Navigator
www.ikonsulting.eu
ik@ikonsulting.eu

Horizon Europe (2021-27)

Marie Skłodowska-Curie Actions -MSCA

DOCTORAL NETWORKS (DN): HOW TO WRITE SUCCESSFUL PROPOSALS

Excellence	Impact	Quality and efficiency of the implementation
Quality and pertinence of the research/innovation project (and the extent to which they are ambitious, and go beyond the state of the art)	Contribution to structuring doctoral training at European level and strengthening European innovation capacity	Quality and effectiveness of the work plan, assessment of risks, and appropriateness of the effort assigned to work packages
Soundness of the proposed methodology (including international, interdisciplinary and inter-sectoral approaches, consideration of the gender dimension and other diversity aspects if relevant for the research project, and the quality and appropriateness of open science practices)	Credibility of the measures to enhance the career perspectives of researchers and contribution to their skills development	Quality, capacity and role of each participant, including hosting arrangements and extent to which the consortium as a whole brings together the necessary expertise
Quality and credibility of the training programme	Suitability and quality of the measures to maximise expected outcomes and impacts, as set out in the dissemination and exploitation plan, including communication activities	
Quality of the supervision	The magnitude and importance of the project's contribution to the expected scientific, societal and economic impacts.	
50%	30%	20%



BASIC RULES FOR PROJECT DEVELOPMENT

Resubmission restrictions: applicants having received a score below 80% in the DN 2021 call are not eligible to resubmit a **similar** proposal in the DN 2022 call.

A `**similar'** proposal or contract is one that differs from the current one in minor ways, and in which some of the present consortium members are involved.

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Project basic rules

Size	• 360 person-months per network for regular DNs • 540 person-months per network for DN-IDs and DN-JD
Duration	max. 48 months
Fellowships	between 3 and 36 months
Secondments	Worldwide (the *3 "Is"* rule)

Resubmission restrictions applying from 2022 for all applications receiving a score **below 80%**

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The **EU Principles for Innovative Doctoral Training** must be applied

Doctoral Networks should **exploit complementarities** between participating organisations and foster **sharing of knowledge**

Networking activities (for example through the organisation of network workshops and conferences)

Proposed training activities must embed appropriate references to **inter- and multidisciplinary fields**

Training should be **primarily focused on developing new scientific knowledge** through original research on personalised projects

Inter-sectoral secondments of researchers to other participating organisations

Substantial training modules, including digital ones, addressing **key transferable skills** and fostering the culture of **Open Science**, innovation and entrepreneurship, public engagement and citizen science, others

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Secondments

Secondments are encouraged, but should be relevant, feasible and beneficial for the researchers, in line with the project objectives

They are an integral part of the research proposal and must be fully described in the proposal

Each recruited researcher can be seconded to other beneficiaries and/or to associated partners for **a duration of up to one third of his/her actual recruitment period for DN (No limitations for ID and JD)**

Virtual mobility can complement the physical mobility (i.e. the secondments). However, it can not be considered as a regular secondment since it does not involve physical mobility

GEANT, the pan-European research and education network
https://www.geant.org

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In-built return mechanisms

Seconded researchers should be guaranteed full reintegration into the sending institution thus **maximising the impact of the action for knowledge sharing** and **long-term collaborations**

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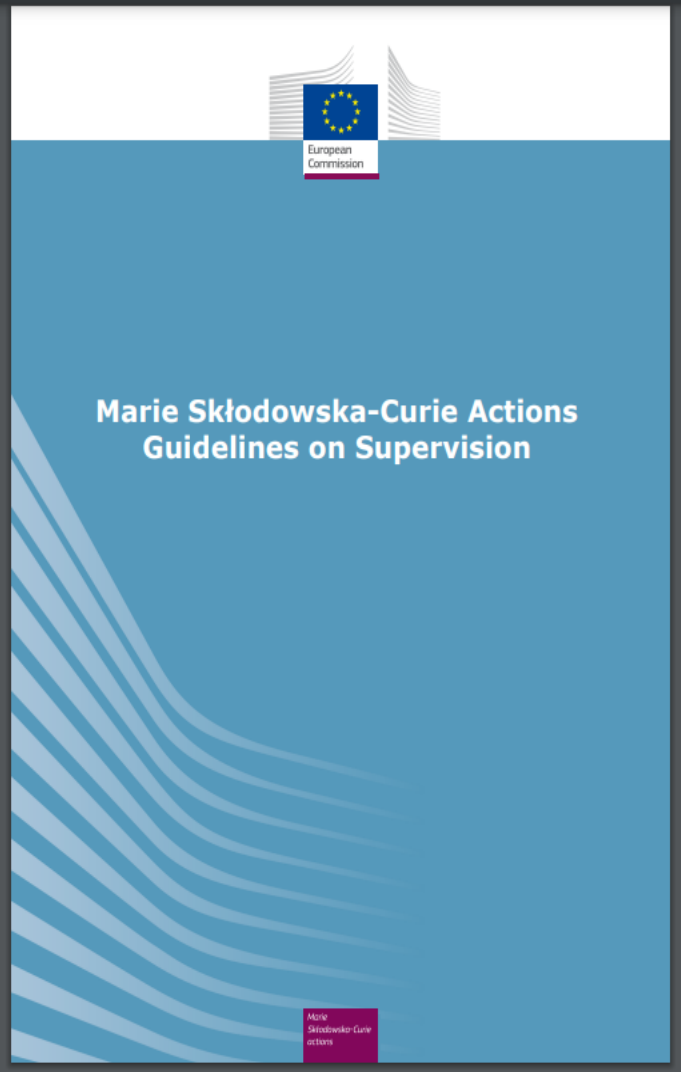

Career Development Plan

A **Career Development Plan (CDP)** must be established jointly by the supervisor and each recruited doctoral candidate

Should be established involving all supervisors

Comprises research objectives, the researcher's training and career needs, including training on transferable skills, teaching, planning for publications and participation in conferences and events

Must be established at the beginning of the recruitment

Should be revised (and updated where needed) within 18 months

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Career Development Plan

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Include a **draft plan for dissemination, exploitation and communication**

All measures should be proportionate to the scale of the programme, and should contain concrete actions to be implemented both **during** and **after the end of the project**

Elements of the D&E&C plan

Planned measures to maximise the impact

Full engagement of recruited researchers

Target groups (e.g. scientific community, end users, financial actors, public at large) and **proposed channels** to interact

Communication measures for promoting the project and its findings throughout the full lifespan of the project, to public at large also!

Follow-up plan to foster **exploitation/uptake** of the results

- Comprehensive and feasible strategy for the **management of the intellectual property**
- If **exploitation** is expected primarily in non-associated third countries, give a convincing justification that this is still in

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Scientific excellence, and innovation

Multi-interdisciplinary training options

Inter-sectoral and international mobility, with strong involvement of industry/non-academic sector in the training

Setting of secondments (*who does what!)*

Impact on career ladder (realistic and convincing!)

Transfer of knowledge, including in-built mechanisms
Training and skills acquisition at project /network and local level

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Networking, also with other funded projects/networks

Realistic and feasible implementation/workplan

Clear synergies of partners to be indicated in section 3.2

Strong partnership, with strong interactions (beyond the project duration)

Feasible but strong management structure, with clear presentation of project governing bodies

A **clear, open, transparent and international recruitment and selection process, involving at all stages international peer-reviewers**

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Horizon Europe Programme

Standard Application Form
Marie Skłodowska-Curie Actions - Doctoral Networks (HE MSCA DN)

Project proposal – Technical description (Part B)

HISTORY OF CHANGES		
Version	**Publication date**	**Changes**
1.0	18.06.2021	▪ Initial version
1.1	30.07.2021	▪ Typo corrected: implementation risk Table 3.1 d renamed 3.1 e
1.2	10.05.2022	▪ Additional paragraph on page 3 about proposals evaluated as they are submitted. ▪ Definition of risk added on page 6. ▪ Addition of note to use same participant numbering and names as in part A on page 8. ▪ Addition of note specifying aspects to be taken into account under Excellence on page 10. ▪ Work Package List moved from Excellence to Implementation as Table 3.1a on page 16. ▪ Addition of Artificial Intelligence subheading on page 12. ▪ Recruitment Deliverables per Beneficiary moved from Excellence to Implementation as Table 3.1e, and relabelled Recruitment Table per Beneficiary. ▪ Addition of note specifying aspects to be taken into account under Impact on page 13. ▪ Examples added for section 2.1 on page 13. ▪ Addition of note on communication measures and public engagement strategy on page 14. ▪ Addition of note on exploitation in non-associated third countries on page 14. ▪ Addition of note specifying aspects to be taken into account under Implementation on page 16. ▪ Update of the Description of Work Packages, Table 3.1 b, to remove deliverables descriptions, in order to avoid duplication of information with Table 3.1c. ▪ Update of the Deliverables List, Table 3.1 c, with additional column "Short description". ▪ Network organisation subheading moved from part B1 to part B2, section 4, with further explanations. ▪ Joint governing structure subheading merged with Network organisation, in part B2 section 4. ▪ Gender aspects concerning decision-making and recruitment embedded in the Supervisory board and Recruitment strategy sub-headings respectively. ▪ Environmental aspects in light of the MSCA Green Charter moved from part B1 to part B2 section 5.

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MARIE SKŁODOWSKA-CURIE ACTIONS

Doctoral Networks (DN)
Call: HORIZON-MSCA-2022-DN-01-01

PART B

"PROPOSAL ACRONYM"

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This proposal is to be evaluated as:

[DN] [DN-ID] [DN-JD]
[delete as appropriate]

LIST OF PARTICIPATING ORGANISATIONS (*max. 2 pages*)

Please provide a list of the consortium's members (both beneficiaries and associated partners[1]) indicating the legal entity, the department carrying out the work and the scientist-in-charge of the action. Entities with a capital or legal link should be added under the associated partners linked to a beneficiary.

Consortium Member	Legal Entity Short Name*	Academic (tick)	Non-academic (tick)	Awards Doctoral Degrees (tick)	Country	Dept./ Division / Laboratory	Scientist-in-Charge	Role of associated Partner[2] or link to beneficiary
Beneficiaries								
- NAME*								
Associated Partners**								
- NAME*								
Associated Partners linked to a beneficiary								
- NAME*								

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* Please use the same participant numbering and names as the ones used in the administrative proposal forms.
** Associated partners should provide a Letter of Commitment (see Section 7).

For non-academic beneficiaries, please provide additional data as indicated in the table below.

Data for non-academic beneficiaries:

Name	Location of research premises (city / country)	Type of R&D activities	No. of full-time employees	No. of employees in R&D	Web site	Annual turnover[3] (in Euro)	Enterprise status (Yes/No)	SME status[4] (Yes/No)

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Declarations

Name (institution / individual)	Nature of inter-relationship

- Applicants **must** use the table above to **declare any inter-relationship between different participating institutions or individuals** (e.g. family ties, shared premises or facilities, joint or part ownership, financial interest, overlapping staff or directors, etc.)

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START PAGE COUNT – MAX 30 PAGES

1. Excellence *(starting on p.5)*

Excellence – aspects to be taken into account.

- 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).
- 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 and appropriateness of open science practices).
- Quality and credibility of the training programme (including transferable skills, inter/multidisciplinary, inter-sectoral and gender as well as other diversity aspects).
- Quality of the supervision (including mandatory joint supervision for industrial and joint doctorate projects).

1.1 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)

Required sub-headings:

- Introduction, objectives and overview of the research programme. It should be explained how the individual projects of the recruited researchers will be integrated into – and contribute to – the overall research programme. All proposals should also describe the research projects in the context of a doctoral training programme. Are the objectives measurable and verifiable? Are they realistically achievable?
- Pertinence and innovative aspects of the research programme (in light of the current state of the art and existing programmes / networks / doctoral research trainings). Describe how your project goes beyond the state-of-the-art, and the extent the proposed work is ambitious.

The action should be divided in **Work Packages** and described in the Table 3.1a under the Implementation section.

1.2 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 and appropriateness of open science practices)

Required sub-headings:

- Overall methodology: Describe and explain the overall methodology including the concepts, models and assumptions that underpin your work. Explain how this will enable you to deliver your project's objectives. Refer to any important challenges you may have identified in the chosen methodology and how you intend to overcome them.
- Integration of methods and disciplines to pursue the objectives: Explain how expertise and methods from different disciplines will be brought together and integrated in pursuit of your objectives. If you consider that an inter-disciplinary approach is unnecessary in the context of the proposed work, please provide a justification.
- Gender dimension and other diversity aspects: Describe how the gender dimension and other diversity aspects are taken into account in the project's research and innovation content. If

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you do not consider such a gender dimension to be relevant in your project, please provide a justification.

⚠ *Remember that that this question relates to the content of the planned research and innovation activities, and not to gender balance in the teams in charge of carrying out the project.*

⚠ *Sex, gender and diversity analysis refers to biological characteristics and social/cultural factors respectively. For guidance on methods of sex / gender analysis and the issues to be taken into account, please refer to https://ec.europa.eu/info/news/gendered-innovations-2-2020-nov-24_en*

- *Open science practices:* Describe how appropriate open science practices are implemented as an integral part of the proposed methodology. Show how the choice of practices and their implementation are adapted to the nature of your work, in a way that will increase the chances of the project delivering on its objectives. If you believe that none of these practices are appropriate for your project, please provide a justification here.

⚠ *Open science is an approach based on open cooperative work and systematic sharing of knowledge and tools as early and widely as possible in the process. Open science practices include early and open sharing of research (for example through preregistration, registered reports, pre-prints, or crowd-sourcing); research output management; measures to ensure reproducibility of research outputs; providing open access to research outputs (such as publications, data, software, models, algorithms, and workflows); participation in open peer-review; and involving all relevant knowledge actors including citizens, civil society and end users in the co-creation of R&I agendas and contents (such as citizen science).*

⚠ *Please note that this question does not refer to outreach actions that may be planned as part of communication, dissemination and exploitation activities. These aspects should instead be described below under 'Impact'.*

- *Research data management and management of other research outputs:* Applicants generating/collecting data and/or other research outputs (except for publications) during the project must provide maximum 1 page on how the data will be managed in line with the FAIR principles (Findable, Accessible, Interoperable, Reusable), addressing the following (the description should be specific to your project):

  - Types of data/research outputs/research outputs (e.g. experimental, observational, images, text, numerical) and their estimated size; if applicable, combination with, and provenance of, existing data.
  - Findability of data/research outputs: Types of persistent and unique identifiers (e.g. digital object identifiers) and trusted repositories that will be used.
  - Accessibility of data/research outputs: IPR considerations and timeline for open access (if open access not provided, explain why); provisions for access to restricted data for verification purposes.
  - Interoperability of data/research outputs: Standards, formats and vocabularies for data and metadata.
  - Reusability of data/research outputs: Licenses for data sharing and re-use (e.g. Creative

  - Curation and storage/preservation costs; person/team responsible for data management and quality assurance.

⚠ *Proposals selected for funding under Horizon Europe will need to develop a detailed data management plan (DMP) for making their data findable, accessible, interoperable and reusable (FAIR) as a deliverable at mid-term and revised towards the end of a project's lifetime.*

⚠ *For guidance on open science practices and research data management, please refer to the relevant section of the HE Programme Guide on the Funding & Tenders Portal.*

- Artificial Intelligence (if applicable to the proposal): If the activities proposed involve the use and/or development of AI-based systems and/or techniques, applicants must provide explanations on the technical robustness of the proposed system(s).

1.3 Quality and credibility of the training programme (including transferable skills, inter/multidisciplinary, inter-sectoral and gender as well as other diversity aspects)

Required sub-headings:

- Overview and content structure of the doctoral training programme, including network-wide training events and complementarity with those programmes offered locally at the participating organisations (please include table 1.3a and table 1.3b).
- Role of non-academic sector in the training programme.

Table 1 Main Network-Wide Training Events, Conferences and Contribution of Beneficiaries

	Main Training Events & Conferences	ECTS[1] (*if any*)	Lead Institution	Action Month (*estimated*)
1				
2				
3				
4				

1.4 Quality of the supervision (including mandatory joint supervision for industrial and joint doctorate projects)

Required sub-headings:

- Qualifications and supervision experience of supervisors.
- Quality of the joint supervision arrangements (including mandatory joint supervision for DN-ID and DN-JD).

⚠ *To avoid duplication, the role and scientific profile of the supervisors should only be listed in the "Participating Organisations" tables (see section 6 below).*

⚠ *The following section of the European Charter for Researchers refers specifically to supervision:*

[1] ECTS: European Credit Transfer and Accumulation System

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Supervision

Employers and/or funders should ensure that a person is clearly identified to whom researchers can refer for the performance of their professional duties, and should inform the researchers accordingly.

Such arrangements should clearly define that the proposed supervisors are sufficiently expert in supervising research, have the time, knowledge, experience, expertise and commitment to be able to offer the research doctoral candidate appropriate support and provide for the necessary progress and review procedures, as well as the necessary feedback mechanisms.

⚠ ***Supervision*** *is one of the crucial elements of successful research. Guiding, supporting, directing, advising and mentoring are key factors for a researcher to pursue his/her career path. In this context, all MSCA-funded projects are encouraged to follow the recommendations outlined in the Guidelines for MSCA supervision[6].*

2. Impact

Impact – aspects to be taken into account.

- Contribution to structuring doctoral 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 training, as appropriate to the implementation mode and research field
  b) developing sustainable elements of doctoral programmes.
- Credibility of the measures to enhance the career perspectives and employability of researchers and contribution to their skills development.
- Suitability and quality of the measures to maximise expected outcomes and impacts, as set out in the dissemination and exploitation plan, including communication activities.
- The magnitude and importance of the project's contribution to the expected scientific, societal and economic impacts.

2.1 Contribution to structuring doctoral 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 training, as appropriate to the implementation mode and research field, this could include (non exhaustively) e.g. meaningful exposure of Doctoral Candidates to the non-academic sector through secondments, contribution of the non-academic sector to the research and the transferable skills training.

b) Developing sustainable elements of doctoral programmes after the end of the DN funding, this could include (non exhaustively) e.g. sustainability of training programmes at local or network-wide level, sustainable cooperation and secondment opportunities, sustainability of transferable skills training offering, sustainability of researchers recruitment according to the code of conduct for the recruitment of researchers.

2.2 Credibility of the measures to enhance the career perspectives and employability of researchers and contribution to their skills development

In this section, please explain the impact of the research and training on the fellows' careers.

2.3 Suitability and quality of the measures to maximise expected outcomes and impacts, as set out in the dissemination and exploitation plan, including communication activities

Required sub-headings:

- Plan for the dissemination and exploitation activities, including communication activities:
  Describe the planned measures to maximise the impact of your project by providing a first version of your 'plan for the dissemination and exploitation including communication activities'. Describe the dissemination, exploitation and communication measures that are planned, the target group(s) addressed (e.g. scientific community, end users, financial actors, public at large), with objectives, and how these activities and the fulfilment of these objectives will be monitored.

⚠ *Regarding communication measures and public engagement strategy, the aim is to inform and reach out to society and show the activities performed, and the use and the benefits the project will have for citizens. Activities must be strategically planned, with clear objectives, start at the outset and continue through the lifetime of the project. The description of the communication activities needs to state the main messages as well as the tools and channels that will be used to reach out to each of the chosen target groups.*

⚠ *In case your proposal is selected for funding, a more detailed plan will need to be provided as a mandatory project deliverable submitted at mid-term stage with an update towards the end of the project.*

- Strategy for the management of intellectual property, foreseen protection measures, such as patents, design rights, copyright, trade secrets, etc., and how these would be used to support exploitation.

⚠ *If your project is selected, you will need an appropriate consortium agreement to manage (amongst other things) the ownership and access to key knowledge (IPR, research data etc). Where relevant, these will allow you, collectively and individually, to pursue market opportunities arising from the project.*

⚠ *All measures should be proportionate to the scale of the project, and should contain concrete actions to be implemented both during and after the end of the project, e.g. standardisation activities. Your plan should give due consideration to the possible follow-up of your project, once it is finished. In the justification, explain why each measure chosen is best suited to reach the target group addressed. Where relevant, describe the measures for a plausible path to commercialise the innovations.*

⚠ *If exploitation is expected primarily in non-associated third countries, justify by explaining how that exploitation is still in the Union's interest.*

Concrete plans for sections 2.3 must be included in the corresponding table 3.1 b Description of Work Packages.

⚠ *Note that the following sections of the European Charter for Researchers refer specifically to public engagement and dissemination:*

Dissemination, Exploitation of Results

All researchers should ensure, in compliance with their contractual arrangements, that the results of their research are disseminated and exploited, e.g. communicated, transferred into other research settings or, if appropriate, commercialised. Senior researchers, in particular, are expected to take a lead in ensuring that research is fruitful and that results are either exploited commercially or made

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Public Engagement

Researchers should ensure that their research activities are made known to society at large in such a way that they can be understood by non-specialists, thereby improving the public's understanding of science. Direct engagement with the public will help researchers to better understand public interest in priorities for science and technology and also the public's concerns.

⚠ *You can also refer to the Communicating EU research and innovation guidance for project participants as well as to the "communication" section of the Online Manual.*

2.4 The magnitude and importance of the project's contribution to the expected scientific, societal and economic impacts (project's pathways towards impact)

Required sub-headings:

- Provide a narrative explaining how the project's results are expected to make a difference in terms of impact, beyond the immediate scope and duration of the project. The narrative should include the components below, tailored to your project.
  - ➢ Expected scientific impact(s), e.g. contributing to specific scientific advances, across and within disciplines, creating new knowledge, reinforcing scientific equipment and instruments, computing systems (i.e. research infrastructures);
  - ➢ Expected economic/technological impact(s), e.g. bringing new products, services, business processes to the market, increasing efficiency, decreasing costs, increasing profits, contributing to standards' setting, etc.
  - ➢ Expected societal impact(s), e.g. decreasing CO_2 emissions, decreasing avoidable mortality, improving policies and decision-making, raising consumer awareness.

⚠ *Be specific, referring to the effects of your project, and not R&I in general in this field. State the target groups that would benefit.*

⚠ *Only include such outcomes and impacts where your project would make a significant and direct contribution. Avoid describing very tenuous links to wider impacts.*

⚠ *Give an indication of the magnitude and importance of the project's contribution to the expected outcomes and impacts, should the project be successful. Provide quantified estimates where possible and meaningful. 'Magnitude' refers to how widespread the outcomes and impacts are likely to be. For example, in terms of the size of the target group, or the proportion of that group, that should benefit over time; 'Importance' refers to the value of those benefits. For example, number of additional healthy life years; efficiency savings in energy supply.*

3. Quality and Efficiency of the Implementation

Quality and efficiency of the implementation – aspects to be taken into account

- Quality and effectiveness of the work plan, assessment of risks and

3.1 Quality and effectiveness of the work plan, assessment of risks and appropriateness of the effort assigned to work packages

Required sub-headings:

- Work Packages (WP) List (please include Table 3.1a);
- Description of Work Packages (please include Table 3.1b);
- Deliverables List (please include Table 3.1c, including the awarding of doctoral degrees);
- Milestones List (please include Table 3.1d);
- Recruitment Table per beneficiary (please include Table 3.1e);Individual Research Projects, including secondment plan (please include table 3.1f);
- Progress monitoring and evaluation of individual research projects;
- Implementation Risks (please include Table 3.1g);
- Supervisory board (including gender aspects in the decision making of the board);
- Recruitment strategy (including gender aspects in the selection process);
- For DN-JD, joint admission, selection, supervision, monitoring and assessment procedures (if not applicable, please remove).

Table 3.1 a: Work Package[7] (WP) List

WP No.	WP Title	Lead Beneficiary No.	Lead Beneficiary Short Name	Start Month	End month	Activity Type[8]	Researcher involvement[9]
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⚠ *The Work Packages should reflect the research objectives. Only brief headings and overviews of the Work Packages should be presented in Table 3.1a. More details in terms of actual implementation should be provided in Table 3.1b.*

Table 3.1 b Description of Work Packages

WP Number	
WP Title	*(e.g. including Research, Training, Management, Communication and Dissemination…)*
Objectives	
Description of Work and Role of Specific Beneficiaries / Associated partners *(possibly broken down into tasks), indicating lead participant and role of other participating organisations Deliverables linked to each WP are listed in Table 3.1c (no need to repeat the information here).*	

Table 3.1 c Deliverables List

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Scientific Deliverables							
Number [10]	**Deliverable Title**	**Short description**	**WP No.**	**Lead Beneficiary Short Name**	**Type** [11]	**Dissemination Level** [12]	**Due Date (in months)**
Management, Training, Recruitment [13] *and Dissemination Deliverables*							
Number	**Deliverable Title**	**Short description**	**WP No.**	**Lead Beneficiary Short Name**	**Type**	**Dissemination Level**	**Due Date (in months)**

⚠ *The deliverables should be divided into scientific deliverables and management, training, recruitment and dissemination deliverables. Scientific deliverables have technical/scientific content specific to the action. The number of deliverables in a given Work Package must be reasonable and commensurate with the Work Package content. Note that during implementation, the submission of these deliverables to the REA will be a contractual obligation.*

⚠ *Note that, if the proposal is successful, several mandatory deliverables will be added during the Grant Agreement preparation such as the establishment of a supervisory board of the network, due at month 2; the progress report, due at month 13; the career development plan etc. (full list in the MSCA Work Programme – Definitions section, paragraph 1.6).*

⚠ ***Due date**: The schedule should indicate the **number of months** elapsed from the start of the action (Month 1).*

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Table 3.1 d Milestones List

Number	**Title**	**Related Work Package(s)**	**Lead Beneficiary**	**Due Date** [14]	**Means of Verification** [15]

⚠ *Note that, if the proposal is successful, several mandatory milestones will be added during the Grant Agreement preparation such as the mid-Term meeting between REA and the consortium (the presence of all beneficiaries (scientists-in-charge and recruited researchers) and associated partners is expected. A best practice is to combine this meeting with other project events as appropriate); the recruitment process completed, due at month 12; the PhD enrolment for all fellows, due at month 12 etc.*

[10] Deliverable numbers in order of delivery dates. Please use the numbering convention <WP number>.<number of deliverable within that WP>. For example, deliverable 4.2 would be the second deliverable from Work Package 4.

[11] Please indicate the nature of the deliverable using one of the following codes:
R = Report; **ADM** = Administrative (website completion, recruitment completion, etc.); **PDE** = dissemination and/or exploitation of results; **OTHER** = Other, including coordination.

[12] Please indicate the dissemination level using one of the following codes:
PU = **Public**: fully open, e.g. web; **SEN** = **Sensitive**: restricted to consortium, other designated entities (as appropriate) and Commission services; Please consider that deliverables marked as "PU" will automatically be published on CORDIS once approved: the applicants should therefore consider the relevance of marking a deliverable as "PU";
CI = **Classified**: classified information as intended in Commission Decision 2001/844/EC.

[13] Including overall recruitment (e.g. advertising vacancies), Researcher Declarations on Conformity, Career Development Plan, training deliverable x, etc. The individual recruitments should only be listed in Table 1.2a.

[14] Measured in months from the action start date (month 1).

[15] Show how the consortium will confirm that the milestone has been attained. Refer to indicators if appropriate. For example: a laboratory prototype completed and running flawlessly; software released and validated by a user group; field survey complete and data quality validated.

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⚠ *For DN-JD projects, specific milestones may also be added (Agreement to deliver the joint/double/multiple PhD).*

Table 3.1 e Recruitment Table per Beneficiary

Researcher No.	**Recruiting Participant (short name)**	**PhD awarding entities**	**Planned Start Month 0-45**	**Duration (months) 3-36**
1.				
2.				
3.				
…				
Total				

If a Doctoral Candidate is recruited my more than one beneficiary, please indicate this in the table accordingly.

Table 3.1 f Individual Research Projects

If applicable and relevant, linkages between the individual research projects and the work packages should be summarised here (one table /fellow).

Fellow *(e.g. researcher 1)*	**Host institution**	**PhD enrolment***	**Start date** *(e.g. Month 6)*	**Duration** *(e.g. 36 months)*	**Deliverables** *(refer to numbers in table 3.1b)*
Project Title and Work Package(s) to which it is related:					
Objectives:					
Expected Results:					
Planned secondment(s): *Host, supervisor, timing, length and purpose*					
*** Enrolment in Doctoral degree(s):** **DN-JD specific:** institutions where the researcher will be enrolled to obtain a joint/double or multiple doctoral degree should be included **DN and DN-ID:** institution where the researcher will be enrolled to obtain a doctoral degree should be included					

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Table 3.1 g Implementation Risks

Please list the critical managerial, scientific and technical risks, relating to project implementation and detail the risk mitigation measures. Please include dealing with scientific misconduct as one of the critical risks for research.

Description of risk (indicate level of (i) likelihood, and (ii) severity: Low/Medium/High)	**Work package(s) involved**	**Proposed risk-mitigation measures**

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A critical risk *is a plausible event or issue that could have a high adverse impact on the ability of the project to achieve its objectives.*
Level of likelihood *to occur: Low/medium/high*
The likelihood is the estimated probability that the risk will materialise even after taking account of the mitigating measures put in place.
Level of severity*: Low/medium/high*
The relative seriousness of the risk and the significance of its effect.

⚠ *The following sections of the European Code of Conduct for the Recruitment of Researchers refer specifically to recruitment and selection:*

Recruitment

Employers and/or funders should establish recruitment procedures which are open, efficient, transparent, supportive and internationally comparable, as well as tailored to the type of positions advertised.

Advertisements should give a broad description of knowledge and competencies required, and should not be so specialised as to discourage suitable applicants. Employers should include a description of the working conditions and entitlements, including career development prospects. Moreover, the time allowed between the advertisement of the vacancy or the call for applications and the deadline for reply should be realistic.

Selection

Selection committees should bring together diverse expertise and competences and should have an adequate gender balance and, where appropriate and feasible, include members from different sectors (academic and non-academic) and disciplines, including from other countries and with relevant experience to assess the candidate. Whenever possible, a wide range of selection practices should be used, such as external expert assessment and face-to-face interviews. Members of selection panels should be adequately trained.

3.2 Quality, capacity and role of each participant, including hosting arrangements and extent to which the consortium as a whole brings together the necessary expertise

Required sub-headings:

- Appropriateness of the infrastructure and capacity of each participating organisation, as outlined in Section 6 (Participating Organisations), in light of the tasks allocated to them in the action;
- Consortium composition and exploitation of participating organisations' complementarities: explain the compatibility and coherence between the tasks attributed to each beneficiary/associated partner in the action, including in light of their experience; Show how this includes expertise in social sciences and humanities, open science practices, and gender aspects of R&I, as appropriate.
- Commitment of beneficiaries and associated partners to the programme (for associated partners, please see also sections 6 and 7). The role of associated partners and their active contribution to the research and training activities should be described. A letter of commitment shall also be provided in section 7 and must follow the template (included within the PDF file, but outside the page limit).

- Funding of non-associated third countries (if applicable): Only entities from EU Member States, from Horizon Europe Associated Countries or from countries listed in the HE Programme guide are automatically eligible for EU funding. If one or more of the beneficiaries requesting EU funding is based in a country that is not automatically eligible for such funding, the application shall explain in terms of the objectives of the action why such funding would be essential. Only in exceptional cases will these organisations receive EU funding. The same applies for international organisations other than IERO.

STOP PAGE COUNT – MAX 30 PAGES (SECTIONS 1-3)

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Page 9 of 36 | 8132 words | English (United Kingdom) | Text Predictions: On | Accessibility: Unavailable | Focus | 65%

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Activities occur throughout the entire project's lifetime – not just at **the** end

Institutions often have teams that can help/support the DN activities	Be creative and consider all options
Training & research objectives and activities to be linked	Detail the research and compulsory skills training activities at network and local level; present the courses on offer
Supervision must be joint	Compulsory for ID/JD but suggested for all schemes in case of secondments
Have clear plan for communication, dissemination and exploitation	Describe the target audiences and key stakeholders, at project and researcher level
The 3 Is exposition	Well set secondments with a clear justification

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Final Check list for Proposal development

- Open Science across the programme
- Convincing and realistic research and training work plan
- Pathways to future career prospective of recruited researchers (career development plan), with strongly set supervision arrangements
- Quality of the research options/projects on offer, and researchers' freedom of choice
- The “3 Is” exposure
- Measures to maximise impact through dissemination and communication, and general public involvement
- Convincing employment and working conditions
- Public engagement
- Recruitment call-s wide dissemination
- Fair, open, public and transparent evaluation and final selection

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THANK YOU!

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