



UNIVERSITÀ
di VERONA

Direzione
GENERALE

AREA RICERCA
Unità Progettazione e Rendicontazione
dei Progetti di Ricerca



Marie Skłodowska-Curie actions
Innovative Training Networks

Marta Capiluppi
Erika Cavallini
Alessio Lorenzi

ITN actions support **networks** of institutions
from different countries across Europe and beyond
from both academic and non-academic sector
aiming at

training innovative, excellent and entrepreneurial researchers
in any discipline and on any subject
through the implementation of
joint research, training and/or doctoral programmes





Researcher level

- ✓ Employability, successful career

Organisation level

- ✓ Cooperation and transfer of knowledge between sectors and disciplines
- ✓ Quality of training programmes

System level

- ✓ Societal and economic relevance of European higher education
- ✓ Europe more attractive as a leading research destination
- ✓ Better quality research and innovation



- **Consortium** of participating organisations
 - ✓ from different countries across Europe and beyond
 - ✓ academic and non-academic sectors
- Propose a **joint research and training programme**
 - ✓ Provide advanced research and transferable skills training – local and network-wide
- Recruit young researchers across the consortium
 - ✓ Each researcher has an **individual research project**
- The duration of the action is limited to **48 months**

- Only **Early-Stage Researchers (ESRs)**
 - ✓ ≤ 4 years of research experience AND no PhD yet
 - ✓ Recruitment: 3 to 36 months
 - ✓ **Mobility rule** for the researchers



Researchers must have not resided or carried out the main activity for more than **12 months in the last 3 years** immediately before the recruitment date.

Sectors

Academic Sector

- public or private higher education institutes awarding academic degrees
- public or private non-profit research institutes
- International European Interest Organisation (e.g. CERN, EMBO, ESA)

Non-Academic Sector

Any socio-economic actor not included in the academic sector:

- small medium and large enterprises, hospitals, museums, public authorities, non-profit organisations and NGOs
- international organisations (e.g. WHO)



Countries

- **Member States (MS)** = member states of the European Union (EU)
- **Associated Country (AC)** to Horizon 2020
([see the full list here](#))
- **Non-Associated Third Countries (TC)** = countries which are neither EU Member States (MS) nor associated to Horizon 2020 (AC)

Participating organisations – 2 types



	Beneficiaries (MS/AC)	Partner Organisations
Sign the Grant Agreement with EU	✓	✗
Directly Claims Costs	✓	✗
Recruitment of researchers	✓	✗
Training and/or hosting researchers	✓	✓
Participation in Supervisory Board	✓	✓



Secondments

A period of research / training in another beneficiary or partner organization to further enrich the training experience of a researcher

ETN: up to 30% of fellowship

EID: at least 50% of the fellowship in non-academic sector

AND the secondment must be between two different countries

EJD: the minimum required to award a joint/double degree

AND between two organisations of two different countries

Short secondments recommended!!

«Travel and accommodation costs for secondment of 6 months or less must be paid by the beneficiary.» So prefer very short secondments or secondments longer than 6 months



ETN – European Training Network

Participants implement a joint research programme

EID – European Industrial Doctorates

Doctoral programme with the non-academic sector

EJD – European Joint Doctorates

Doctoral programme to deliver joint / double / multiple degrees

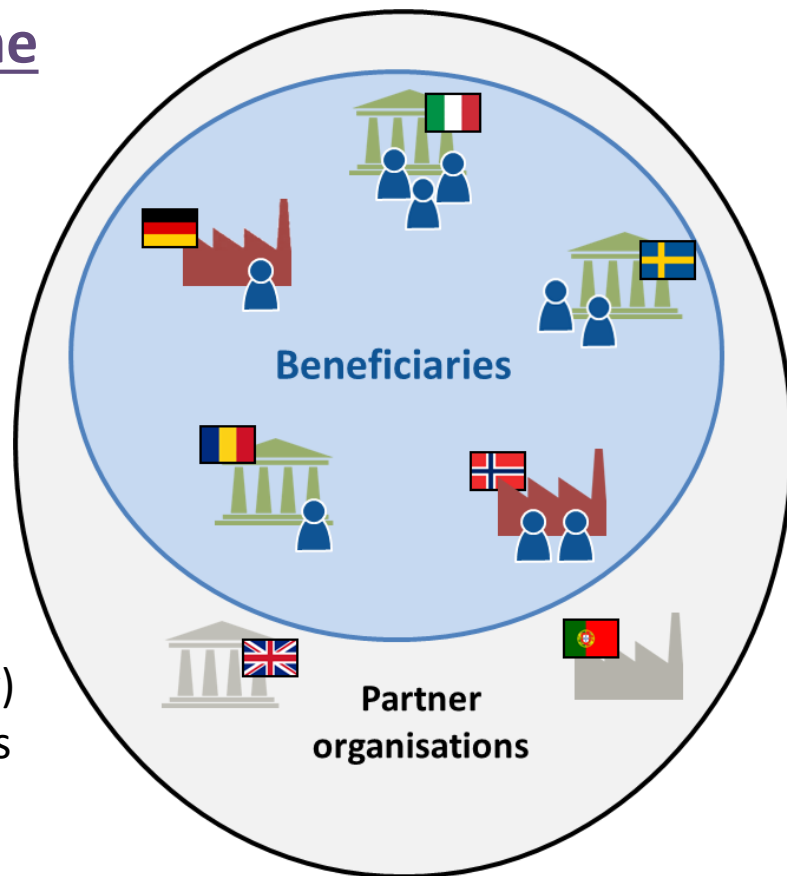
Participants implement a joint research and training programme

Mandatory

- Min. 3 beneficiaries from 3 different MS/AC
- Each beneficiary recruits and hosts at least 1 ESR
- Max 540 person-months

Other features

- Typical size: 6-10 beneficiaries
- Partner organisations (any country/sector)
- Non-academic participation essential
- PhD enrolment typically expected (not mandatory)
- Secondments to other countries/sector/disciplines ($\leq 30\%$ time)
- Joint supervision recommended



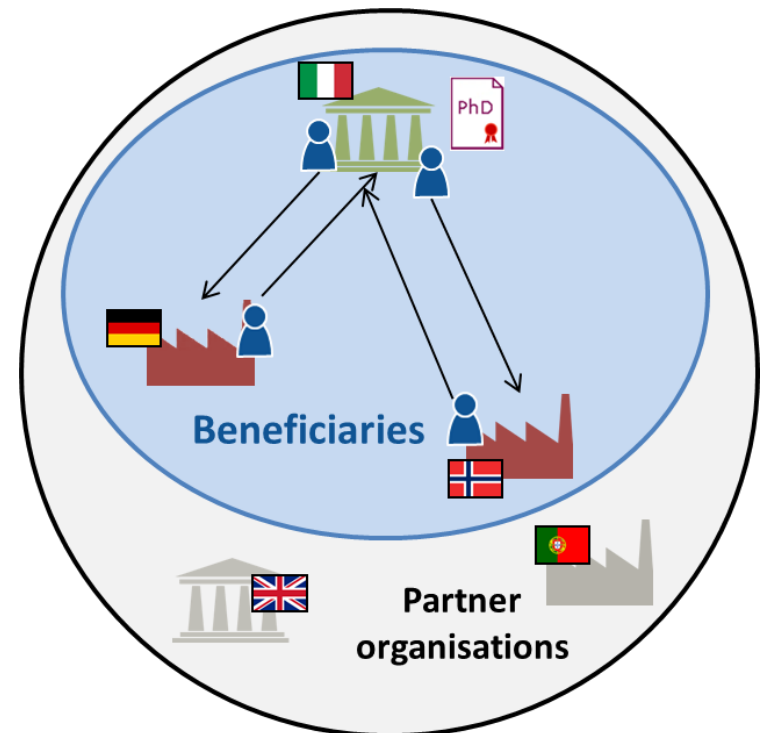
Doctoral training with the non-academic sector

Mandatory

- Min. 2 beneficiaries from 2 different MS/AC (1 academic + 1 non-academic)
- Min 1 institution awarding PhD title
- Each fellow enrolled in the doctoral programme
- Secondment: $\geq 50\%$ in non-academic sector in another country
- Max 180 person-months (if 2 beneficiaries)
Max 540 person-months (if ≥ 3 beneficiaries)
- Joint governance structure, selection, training, supervision, monitoring and assessment.

Other features

- Typical size: 2-3 beneficiaries



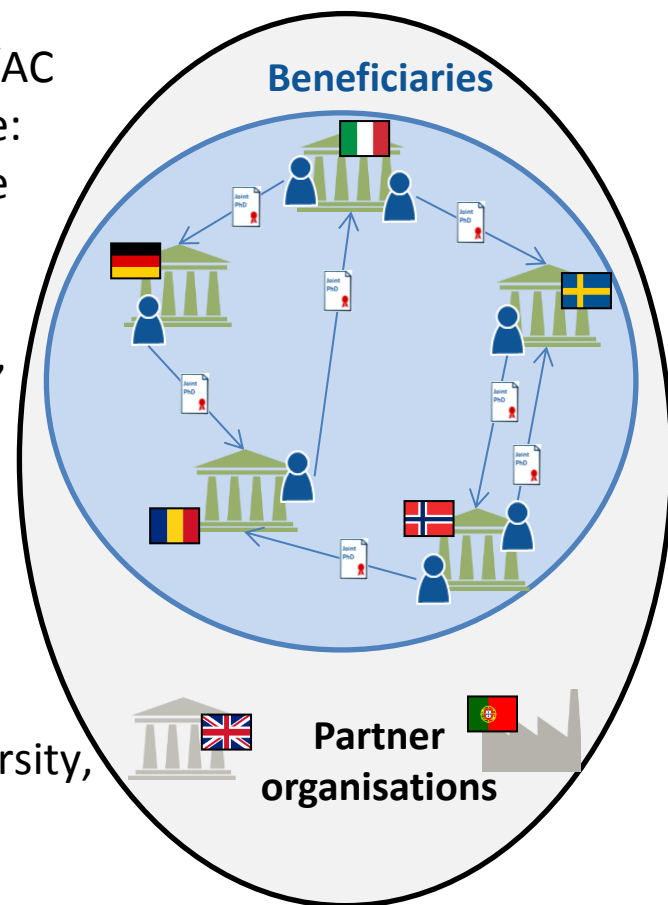
Universities cooperating to deliver joint/double/multiple doctoral degrees

Mandatory

- Min. 3 beneficiaries - awarding PhD - from 3 different MS/AC
- All ESRs enrolled in the joint international PhD programme:
 - **at least 2/3** ESRs must obtain joint, double or multiple doctoral degree between 2 MS/AC
 - **up to 1/3** involving at least 1 MS/AC
- Joint governance structure, selection, training, supervision, monitoring and assessment
- Commitment to deliver joint, double or multiple degrees
- Max 540 person-months

Other features

- Typical size: 4-8 beneficiaries
- Beside the secondment in the second PhD-awarding University, additional secondments (e.g. in non-academic sector) are possible





Brexit: What if UK leaves EU without an agreement on 29/3/2019?



UK would become a Third Country
and UK organisations would be no longer eligible for funding

Risk 1 for all ITNs:

Consortium has not the required number of beneficiaries and countries without UK



Solution

Involve beneficiaries from more than 3 EU/AC countries

Risk 2 for EJD:

Less than 2/3 of ESRs will receive a joint/double degree involving 2 organisations in MS/AC



Solution

Verify the number of ESRs in joint/double doctoral programme involving UK

Contact
us for
support



DOCUMENT 1 (Proposal Number-Acronym-Part B1)

START PAGE (*1 page*)

TABLE OF CONTENTS (*1 page*)

LIST OF PARTICIPATING ORGANISATIONS (max 2 pages)

START PAGE COUNT (MAX 30 PAGES SECTIONS 1-3)

1. **EXCELLENCE** (*starting page 5*)
2. **IMPACT**
3. **QUALITY AND EFFICIENCY OF THE IMPLEMENTATION**

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

DOCUMENT 2 (Proposal Number-Acronym-Part B2)

NO OVERALL PAGE LIMIT APPLIED

4. **EID SPECIFIC REQUIREMENTS (FOR EID ONLY)**
5. **CAPACITIES OF THE PARTICIPATING ORGANISATIONS**
6. **ETHICS ISSUES**
7. **LETTERS OF COMMITMENT**

No Gantt chart!



Local training

- ✓ Researchers need to be involved in local training programmes
- ✓ Try to exploit complementarities!

Research IS training

→ Training on the job!

Ad hoc training

- ✓ Specific training activities for the ITN proposal
- ✓ Both on research and transferrable skills

ECTS: European Credit Transfer and Accumulation System

http://ec.europa.eu/education/ects/users-guide/docs/ects-users-guide_en.pdf

→ Verify with doctoral offices

Research and work plan organised in **Work Packages**:

- Management
- Training & Networking
- Communication, Dissemination & Outreach Activities
- Research WP → Tasks (ESRs)

Each ESR has its own **Individual research project**

ESR Project: e.g WP task(s) or inter-WP

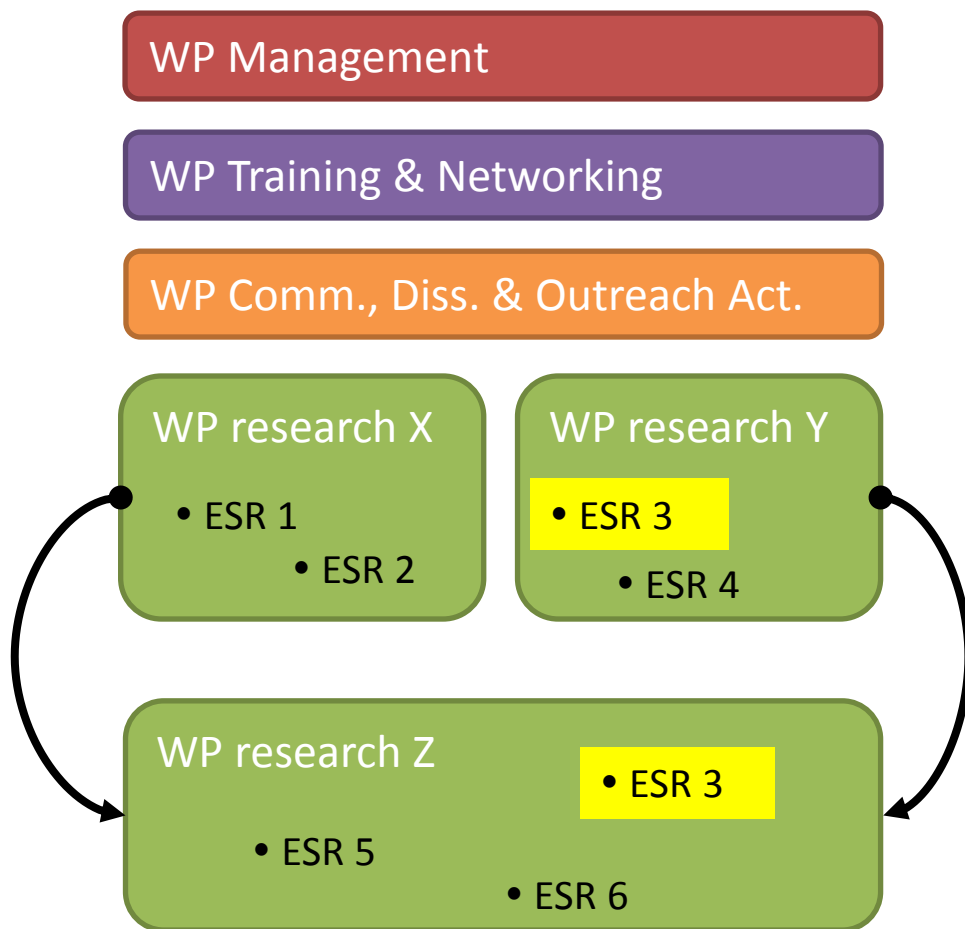
Mandatory Deliverables:

Career Development Plan (Template)

Data Management Plan (Template)

Agreement between the institutions for EJD

Example



Mobility Rule

→ ESRs coming from abroad!



Countries

Typical ESR research project (International Dimension)

- ESR is recruited by an organisation in EU (MS+AC)
- ESR spends a period in another participating organisation of the ITN network
- ESR has a secondment period to a partner organisation of the ITN network
- EJD → ESR has a joint/double/multiple PhD degree from different organisations of the network

ESR	RECRUITED BY	SECOND P.O FOR PHD	SECONDMENT
1	Beneficiary 1 (months 1-18)	Beneficiary 4 (months 19-36)	Partner Org. 3 (months 6-7 and 25-27)

- Participating organisations from academic and non-academic sector

EID → **Mandatory!**

REMARK: Non-Academic organisations involved both as beneficiaries and partner organisations



- ESRs: Secondments in a company, public authority or non-profit organisation
- Research programme: involvement of non-academic organisations
- Invited speakers during courses/classes/workshops/schools from different sectors
- Training: IPR management, business plan, entrepreneurship, etc.



Dissemination: distributing your project results

Exploitation: use of results in further research activities other than those covered by the action concerned, or in developing, creating and marketing a product or process, or in creating and providing a service, or in standardisation activities

Dissemination and Exploitation strategy is **targeted at peers** (scientific or the action's own community, industry and other commercial actors, professional organisations, policymakers) and to the wider research and innovation community - to achieve and expand the potential impact of the action

Take into account **Open Access obligations** under Horizon2020



***Communication** is proactively informing your stakeholders and public about the project, establishing links and routes for dialogue during the project*

- Show how **European and international collaboration** has achieved more than would have otherwise been possible
- Show how the outcomes are **relevant to citizens' everyday lives**
- **Promote project results**

***Public engagement:** create awareness among the general public of the research work performed under these projects and its implications for citizens and society*



Joint Governing Structure

Structures to oversee the doctoral programme and ensure quality control,
The different administrative units of the participants (with responsibility for doctoral programmes) are working in a coherent and coordinated manner

Supervisory Board

- Beneficiaries + Partner organisations (+ any other stakeholders of relevance to the research and training programme + representative from among the recruited ESRs)
- Non-academic sector should be represented!
- Tasks
 - ✓ Quality of the programme
 - ✓ Balance between scientific/technological and transferable skills training
 - ✓ Exchange of best practice
 - ✓ Quality and quantity of supervision of the ESRs

→ EJD: joint admission, selection, supervision, monitoring and assessment procedures!



For all ITN types

Partner organisations must include a letter of commitment in Part B (document 2) to ensure their real and active participation in the proposed network.

→ No template provided!

For EJD projects

The **beneficiaries awarding doctoral degrees** must include a letter of institutional commitment indicating their commitment to award **joint, double or multiple doctoral degrees**

→ See **mandatory** template!



No need to calculate the budget

Automatically estimated by the system according to the number of person-months of recruited ESRs

Researcher Unit Costs/month	Living Allowance *	3.270
	Mobility Allowance	600
	Family Allowance **	500
Institutional Unit Costs /month	Research, Training and Networking Costs	1.800
	Management and Indirect Costs	1.200

For all ITN (except for EID with only two beneficiaries), **no more than 40% of the total EU contribution** may be allocated to a country

REMARKS

* A country correction co-efficient applies

** Paid to ESRs with family at their recruitment date



Pay attention when you plan all ITN activities!

Research, Training and Networking Costs must cover:

- expenses related to research costs
- all training activities and networking activities (meetings)
- travel costs for secondments
- accommodation costs for secondments of 6 months or less
- costs for visiting researchers
- tuition fees (where applicable)
- Visa, residency card for the recruited researcher

Part of **Management and Indirect Costs** might be transferred to:

- the project leader for consortium-wide activities
- the partner organisation hosting a secondment

Avoid planning too many activities!

Define these aspects at the proposal stage

And include them in the **Consortium Agreement** (if funded)



Excellence (50%) - 1	Impact (30%) - 2	Implementation (20%) - 3
Quality, innovative aspects and credibility of the <u>research</u> programme (including inter/multidisciplinary, inter-sectoral and, where appropriate, gender aspects)	Enhancing the career perspectives and employability of researchers and contribution to their skills development	Coherence and effectiveness of the work plan, including appropriateness of the allocation of tasks and resources (including awarding of the doctoral degrees for EID and EJD projects)
Quality and innovative aspects of the <u>training</u> programme (including transferable skills, inter/multidisciplinary, inter-sectoral and, where appropriate, gender aspects)	Contribution to structuring doctoral / early-stage research training at the European level and to strengthening European innovation capacity	Appropriateness of the management structures and procedures, including quality management and risk management (with a mandatory joint governing structure for EID and EJD projects)
Quality of the <u>supervision</u> (including joint supervision for EID and EJD)	Quality of the proposed measures to exploit and disseminate the project results	Appropriateness of the infrastructure of the participating organisations
Quality of the proposed <u>interaction</u> between the participating organisations	Quality of the proposed measures to communicate the project activities to different target audiences	Competences, experience and complementarity of the participating organisations and their commitment to the programme



ETN evaluated under specific panel:

- Chemistry (CHE)
- Social Sciences and Humanities (SOC)
- Economic Sciences (ECO)
- Information Science and Engineering (ENG)
- Environment and Geo-Sciences (ENV)
- Life Sciences (LIF)
- Mathematics (MAT)
- Physics (PHY)

→ Each panel will establish a ranked list of proposals for funding

EID and EJD evaluated by dedicated experts but ranked in separate, multidisciplinary panels, each with its own budget



	ETN	EID	EJD
Eligible proposals	1416	153	81
Main list	94	20	9
Reserve list	29	6	4
Success rate	6,90%	13,40%	12,70%
Cut-off score = score received by the last proposal in the main list			
CHE	96,0	90,8	94,2
ECO	97,2		
ENG	94,0		
ENV	96,4		
LIF	95,0		
MAT	93,0		
PHY	94,2		
SOC	95,8		



		ETN	EID		EJD
			2 Beneficiaries	≥ 3 Beneficiaries	
BENEFICIARY (IES)	Minimum Number of beneficiaries	3	2	3	3
	Minimum MS or AC	3	2	2 ²⁴	3
	Academic sector	No restrictions	Minimum 1		Minimum 3 entitled to award doctoral degrees
	Non-academic sector	No restrictions	Minimum 1		No restrictions
	Max no. of person months	540	180	540	540
	Max 40.0% budget for 1 country	Mandatory	N/A	Mandatory	Mandatory
Beneficiary (or partner organisation) awarding PhD		Optional	Mandatory (1 beneficiary or partner organisation)		Mandatory for minimum 3 beneficiaries
Joint award of PhD		Optional	Optional		Mandatory
Joint degree – letter of institutional commitment		N/A	N/A		Mandatory
Joint supervision for ESRs		Encouraged	Mandatory (from the 2 sectors)		Mandatory
ESRs enrolment in the PhD		Optional	Mandatory		Mandatory
Inter-sectoral mobility must be international		Optional	Mandatory		Optional
Secondments: international, inter-sectoral, interdisciplinary		≤ 30%	Min 50% stay in the non-academic sector, ≤ 30% in partner organisations		≤ 30% N/A if in line with the proposal description
Partner Organisation: Letter of Commitment		Mandatory			
Ranking lists		8 (Scientific) panels	1 Multidisciplinary		1 Multidisciplinary
Budget		€400 mn	€35 mn		€35 mn



MSCA-ITN-2019: Innovative Training Networks

Opening date: 13 September 2018

Deadline: **15 January 2019** 17:00:00

Budget

- ETN European Training Networks
€ 400,000,000
- EID European Industrial Doctorates
€ 35,000,000
- EJD European Joint Doctorates
€ 35,000,000

Reminder!

All offices are **closed** for Christmas holidays!
At UNIVR from **24 Dec. 2018 to 6 Jan 2019**

Link to Participant Portal:

<http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/msca-itn-2019.html>



Get started...

Download the **Guide for Applicants**

http://ec.europa.eu/research/participants/data/ref/h2020/other/guides_for_applicants/h2020-guide-appl-msca-itn_en.pdf

Download the **ITN template:**

http://ec.europa.eu/research/participants/data/ref/h2020/call_ptef/pt/2018-2020/h2020-call-pt-msca-itn-2018-20_en.pdf

First steps to design the proposal

1. Start **structuring your project**: research topic, participants, work plan, competences...
2. Inform and **involve** the relevant offices and bodies (Grant Offices, PhD Offices...) for the administrative issues!
3. (for EJD) Consider the **internal and national requirements**



Principles for Innovative Doctoral Training:

https://euraxess.ec.europa.eu/sites/default/files/policy_library/principles_for_innovative_doctoral_training.pdf

European Charter and Code for Researchers

<http://ec.europa.eu/euraxess/index.cfm/rights/europeanCharter>

European industrial doctorates (full document)

<https://publications.europa.eu/en/publication-detail/-/publication/c6abb4b4-3c3e-11e7-a08e-01aa75ed71a1>

European industrial doctorates (executive summary)

<https://publications.europa.eu/en/publication-detail/-/publication/bbfa2f0e-99c2-11e7-b92d-01aa75ed71a1/language-en>

And much more in the Guide for Applicants, page 33!!



Contacts



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[Finanziamenti per la Ricerca - Università di Verona](#)

- Scienze e Ingegneria:
Marta Capiluppi (marta.capiluppi@univr.it)
- Medicina e chirurgia:
Erika Cavallini (erika.cavallini@univr.it)
- Scienze umanistiche-economiche-giuridiche
Alessio Lorenzi (alessio.lorenzi@univr.it)

University of Verona
Research Office
Unit Research Projects Planning and Reporting