



FIT-4-NMP

Strategic and targeted support  
to incentivise talented newcomers  
to NMP projects under Horizon Europe

# Tips on how to structure and write an ERA-Chair proposal

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# Agenda

- What is the ERA-Chair call?
- How to register for the ERA-Chair call
- Essential documents
- How to structure an ERA-Chair proposal
- Ideas to consider for Section 1
- Ideas to consider for Section 2
- Ideas to consider for Section 3
- Other sources of information





# What is the ERA-Chair call? (1 of 3):

## - Two example successful ERA-Chair proposals



- **MariCybERA:** ERA Chair in Maritime Cyber Security at Tallinn University of Technology.
- Widening country coordinator: TalTech (EE).

1 of about 15  
projects funded  
from Nov 2019 ERA-  
Chair call



- **SanDAL:** ERA Chair in Mathematical Statistics and Data Science for the University of Luxembourg.
- Widening country coordinator: University of Luxembourg (LU).

1 of about 15  
projects funded  
from Nov 2017 ERA-  
Chair call

# What is the ERA-Chair call? (2 of 3)



1. Research organisations located in widening countries interested in establishing an ERA Chair shall (*Professorial position + Research Group*) submit a proposal (**Budget: 1.5-2.5 million euro, 5 year duration**) with the **prospective ERA Chair holder who should be an outstanding researcher and/or innovator in the chosen scientific domain**. The scientific field can be any domain of research and innovation addressed under the Treaty on the Functioning of the European Union.
2. The **institution in the Widening country shall be the coordinator** and can opt between a **joint application** with the legal entity currently employing the future ERA Chair or submitting a proposal as a **single applicant**. For the former, partner institutions can be located in any country (including countries outside the EU) except the country of the coordinator and ERA Chair holders can be citizens of any country in the world.





# What is the ERA-Chair call? (3 of 3)



3. Proposals should include a **CV in Europass form of the future ERA Chair holder** and detail the scientific and technical support he/she will provide to the coordinator and how the proposed activities will upgrade from the current situation. If there is a **partner institution** proposals should **outline any additional support** to be provided by it to the coordinator.
4. Proposals should also **describe any relevant investments of the coordinator in research projects, facilities and infrastructures** and how those will be achieved and/or a better use of the installed research capacity (in particular of EU co-funded research infrastructures & facilities)
5. **ERA Chair holders** should be **excellent researchers and/or innovators** in the chosen field of research. They should **establish a research team fully integrated in the coordinator's institution** to significantly improve its research performance in the scientific domain of choice and to be more successful in obtaining competitive



# How to register for ERA-Chair call (1 of 2)



The screenshot shows a web browser window with the URL <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/home>. The page header includes the European Commission logo and the text "Funding & tender opportunities Single Electronic Data Interchange Area (SEDIA)". In the top right corner, there are buttons for "English EN", "Register", and "Login". The "Register" button is circled in red. Below the header is a navigation menu with options: "SEARCH FUNDING & TENDERS", "HOW TO PARTICIPATE", "PROJECTS & RESULTS", "WORK AS AN EXPERT", and "SUPPORT". A warning banner at the bottom of the page states: "The Identity, Bank Account, Contracts & Payments functionalities in the Experts Area of the F&T Portal will be unavailable on Thursday 15.09.2022, between 07:30 and 08:10."

1. If not already done, you need to register a) yourself (email address and password) and b) your institute (PIC number – but check first to see if one already exists!) on the EC’s Funding and Tender portal:
  - <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/home>
- If you need practical help, please contact David Hayrapetyan ([david.hayrapetyan@rau.am](mailto:david.hayrapetyan@rau.am)) or Aram Manukyan ([manukyan.ipr@gmail.com](mailto:manukyan.ipr@gmail.com)).



# How to register for ERA-Chair call (2 of 2)



Inbox - giles.m.brandon@gmail X cPanel - Email Accounts X Domain names - Proton Account X Funding & tenders X

https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/home

European Commission | Funding & tender opportunities  
Single Electronic Data Interchange Area (SEDIA)

English EN Register Login

SEARCH FUNDING & TENDERS HOW TO PARTICIPATE PROJECTS & RESULTS WORK AS AN EXPERT SUPPORT

The Identity, Bank Account, Contracts & Payments functionalities in the Experts Area of the F&T Portal will be unavailable on Thursday 15.09.2022, between 07:30 and 08:10.

1. Search and register to the Twinning call in the EC's Funding and Tender portal.
  - Select "Search funding and tenders"
  - Set "Submission status" = Open for submission
  - Set "Programming period" = 2021-2027
  - Set "Filter by programme" = Horizon Europe
  - Set "Programme part" = Widening Participation and Spreading Excellence
  - Click on the hypertext link for the ERA-Chair call





# Two Essential Documents

*Horizon Europe - Work Programme 2023-2024*  
*Widening participation and strengthening the European Research Area*

**EN**

**Annex 11**

**Horizon Europe**

**Work Programme 2023-2024**

*11. Widening participation and strengthening the European Research Area*

**DISCLAIMER**

This draft has not been adopted or endorsed by the European Commission. Any views expressed are the preliminary views of the Commission services and may not in any circumstances be regarded as stating an official position of the Commission. The information transmitted is intended only for the Member State or entity to which it is addressed for discussions and may contain confidential and/or privileged material.

**Print out the relevant pages and read repeatedly!**


**Horizon Europe Programme**

**Standard Application Form (CSA)**

Application form (Part A)  
Project proposal – Technical description (Part B)

Version 2.0  
22 April 2021

Widening work programme 2023-2024

Standard application form for CSA  
(Coordination and Support Action)





# CSA proposal – Technical Description (Part B)



**Total length:  
only 30 pages!**

## 1. Excellence

1.1 Objectives [EC recommended length: 2 pages]

1.2 Coordination and/or support measures and methodology [EC recommended length: 6 pages]

## 2. Impact

2.1 Project's pathways towards impact [EC recommended length: 4 pages]

2.2 Measures to maximise impact - Dissemination, exploitation and communication

2.3 Summary [EC recommended length: 5 pages for Sections 2.2 and 2.3]

## 3. Quality and efficiency of the implementation

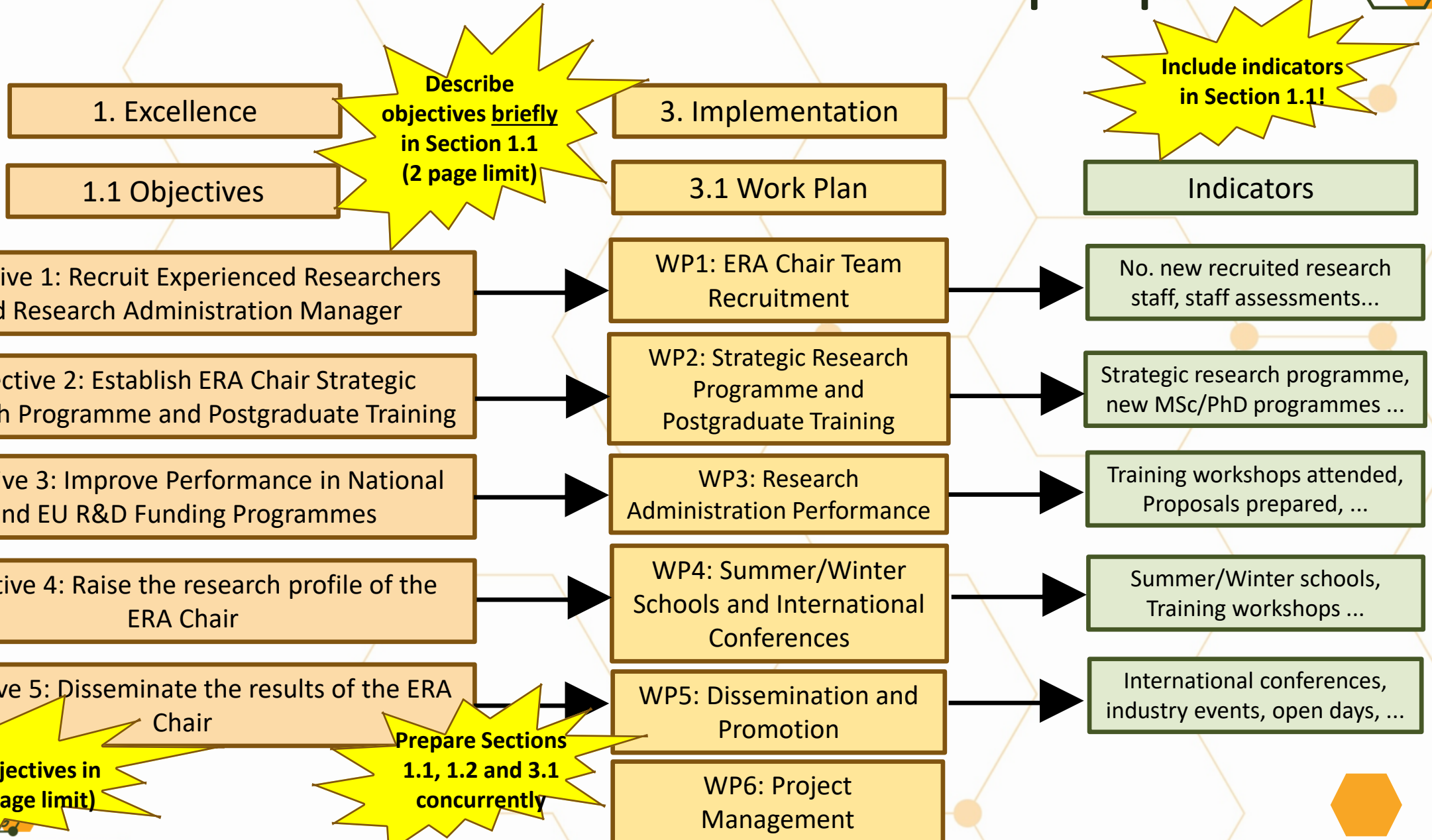
3.1 Work plan and resources [EC recommended length: 10 pages – including tables]

3.2 Capacity of participants and consortium as a whole [EC recommended length: 3 pages]

- **Don't deviate more than ½-1 page from the recommended limits!**

- **Start Section 1.1 on the proposal cover page!**

# How to structure an ERA-Chair proposal





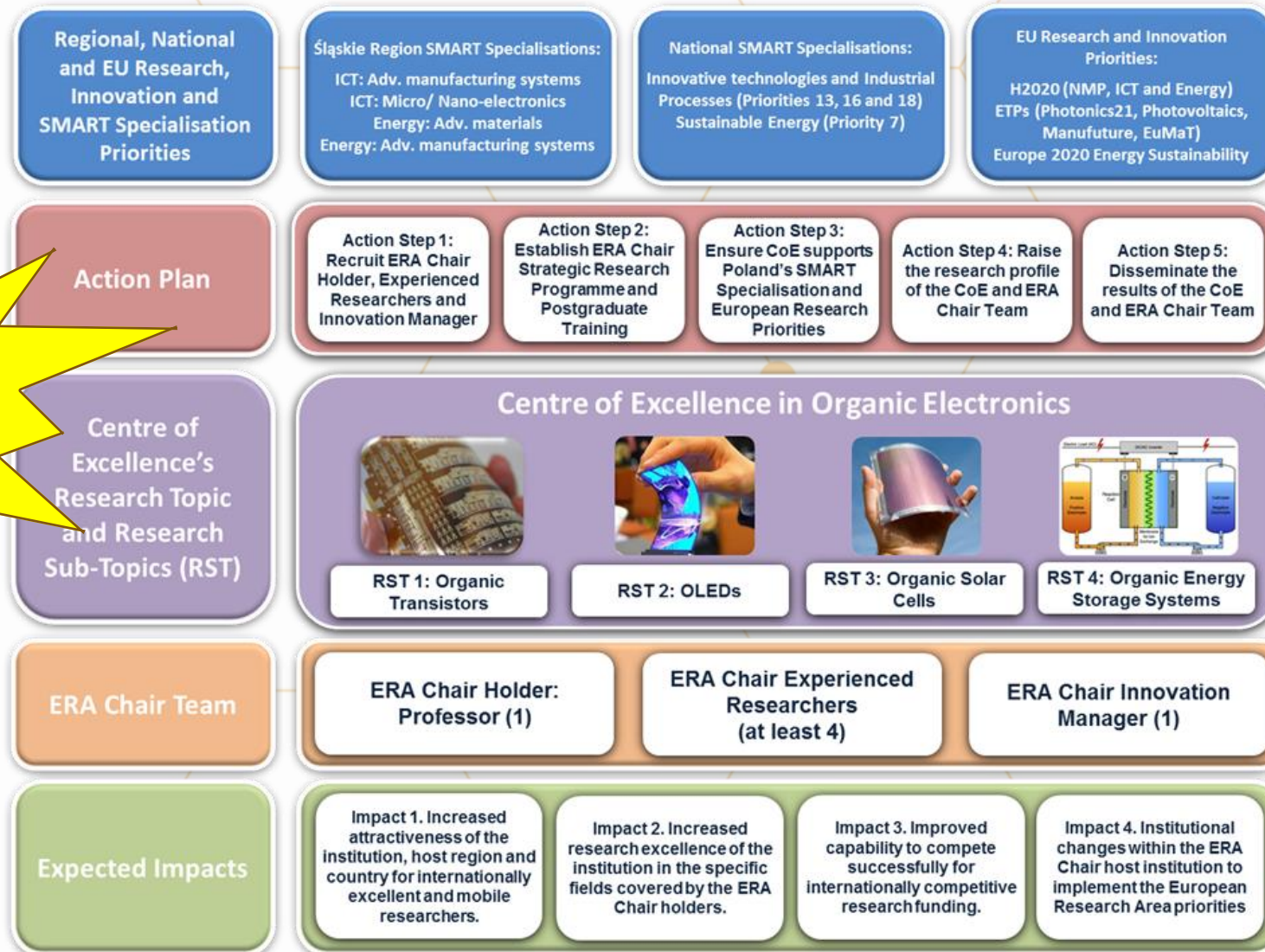
# Section 1: Excellence

- Section 1.1
  - Demonstrate proposal's pertinence to the work programme
- Section 1.2
  - Why the research is important from a national and EU perspective
  - SWOT analysis





# Section 1: Excellence



If you have space, then it's nice to have an overview figure in Section 1 ... This one is from a H2020 ERA Chair proposal







# Demonstrate proposal's relevance to the work programme (Section 1.1)

Scope of the ERA-Chair call	How/where this proposal addresses the scope of the call
Research organisations located in widening countries interested in establishing an ERA Chair shall submit a proposal with the prospective ERA Chair holder who should be an outstanding researcher and/or innovator in the chosen scientific domain. The scientific field can be any domain of research and innovation addressed under the Treaty on the Functioning of the European Union.	Coordinator: ?? (Widening country) ERA-Chair holder: Prof. ?? who is an outstanding researcher in the field of ?? (H-Index = ??, Other prestigious awards)
Proposals should include a CV in Europass form of the future ERA Chair holder and detail the scientific and technical support he/she will provide to the coordinator and how the proposed activities will upgrade from the current situation.	Europass CV can be found in Section ??
<i>Extract other important requirements from the call text</i>	<i>Indicate where the proposal addresses requirement e.g see Section 1.2</i>
<i>Etc</i>	<i>Etc</i>

**Include such a table in Section 1.1**





# Why the research is important from a national and EU perspective (Section 1.2)

- Concisely describe why the research topic is important (1/2 – 1 page)
- National level
  - Reference SMART specialization strategy (S3) and/or
  - Reference national research and innovation strategy/policies
- EU level
  - Reference research and innovation priorities in Horizon Europe and/or
  - Reference European Partnership's research and innovation priorities  
e.g. Processes4Planet





# SWOT Analysis (Section 1.2)

**Be specific =  
More convincing!**

**Explain how your  
scientific strategy  
(objectives)  
addresses the  
SWOT**

Strengths (S) and Weaknesses (W) of SUT	Opportunities (O) and Threats (T) faced by SUT from External Environment
<p><b>Strengths</b></p> <ul style="list-style-type: none"><li>S1. Expertise in development of new molecules for optoelectronics</li><li>S2. Expertise in organic synthesis</li><li>S3. Expertise in electrochemistry and spectro-electrochemistry.</li><li>S4. Expertise in polymer chemistry</li><li>S5. Expertise in the study of conjugated compounds</li><li>S6. Expertise in investigation of charge carriers in organic compounds</li><li>S7. The laboratory has access to unique self-built UV-Vis-NIR-EPR spectro-electrochemical to evaluate the formation of charge carriers.</li><li>S8. Culture of communication, networking and forming research partnerships (national and international)</li><li>S9. Strong communication infrastructure to disseminate information</li></ul>	<p><b>Opportunities</b></p> <ul style="list-style-type: none"><li>O1. Potential to win materials science, optoelectronics, nano- and light technologies projects funded by National Authority for Scientific Research</li><li>O2. Potential to participate in H2020 programme (NMP, ICT, FET, MSCA, FET)</li><li>O3. Potential to participate in EU cross-border cooperation programmes</li><li>O4. Potential to improve in area of organic optoelectronics through collaborative research and technology transfer involving Twinning partners</li><li>O5. Existence of a significant Organic Electronic scientific diaspora and potential of involving it in the national R&amp;D and innovation activities</li><li>O6. An existing network R&amp;D and innovation organizations and qualified human resources</li><li>O7. Growing market (regulations relating to data protection).</li></ul>
<p><b>Weaknesses</b></p> <ul style="list-style-type: none"><li>W1. Out-of-date facilities to investigate surface morphology.</li><li>W2. Lack of direct access to equipment for device formation and characterization.</li><li>W3. Lack of job opportunities for young researchers leads to decrease in capability to exploit recent developments in new materials for OLED and OSC.</li><li>W4. Insufficient national investment in R&amp;D equipment and training of researchers.</li><li>W5. Insufficient international visibility.</li><li>W6. Lack of R&amp;D proposal writing skills.</li><li>W7. Weak regulation environment and innovation infrastructure</li><li>W8. Weak science-industry collaboration</li></ul>	<p><b>Threats</b></p> <ul style="list-style-type: none"><li>T1. Continued brain-drain of well qualified Polish researchers to multinational companies</li><li>T2. Fluctuation in national R&amp;D funding due to changing priorities of government budget formation</li><li>T3. Lack of trained researchers and managers to fully exploit opportunities with H2020 projects</li><li>T4. Continued domination of inorganic semiconductor devices producers in the field of electronics</li><li>T5. Reduced private investment in organic electronics sector due to recent global economic crisis</li><li>T6. Reduced employment opportunities in the sector of organic semiconductors due to global economic crisis</li></ul>





# Section 2: Impact

- Section 2.1
  - Contribution to expected outcomes (qualitative and quantitative)
  - Potential barriers arising from factors beyond the scope and duration of the project
- Section 2.2
  - Dissemination and Communication Plan
  - Strategy for the management of intellectual property







Write about 2-3  
pages in a  
narrative style

# Qualitative contribution to expected outcomes (Section 2.1) (1 of 2)

At system level

- Outcome 1: Increase in number of R&I talents moving to host organisations in Widening countries.
- Outcome 2: Increase in international, interdisciplinary and intersectoral mobility of researchers and innovators.
- Outcome 3: Encouraging institutional reforms in research institutions and in the national R&I system in widening countries.
- Outcome 4: Strengthening of Widening countries' human capital base in R&I with more entrepreneurial and better trained researchers and innovators.
- Outcome 5: Better communication of R&I results to society.
- Outcome 6: Better quality and capacity of research and innovation contributing to Europe's competitiveness and growth.
- Outcome 7: Improved excellence capacity and resources in Widening countries and close the still apparent research and innovation gap within Europe

# Qualitative contribution to expected outcomes (Section 2.1) (2 of 2)



At organisation level

- Outcome 1: Research excellence of the institution in the specific fields covered by the ERA Chair holder.
- Outcome 2: Increased attractiveness of the institution for internationally excellent and mobile researchers.
- Outcome 3: Creation of a permanent and excellent research group in the chosen scientific field with a spill-over effect on the institution.
- Outcome 4: Improved capability to succeed in competitive research funding in the EU and globally, at least, in the fields of choice.
- Outcome 5: Greater contribution to the knowledge-based economy and society.





# Quantitative contribution to expected outcomes (Section 2.1)

Use the KPIs from Section 1.1

Expected Outcomes	WP	Performance Indicators	Target
<b>Outcome 1: Research excellence of the institution in the specific fields covered by the ERA Chair holder.</b>	1, 2, 3, 4 and 5	<ul style="list-style-type: none"><li>Recruit Professor</li><li>Recruit Experienced Researchers</li><li>Average h-index of institution's project members involved in ERA-Chair</li><li>PhD Training Course in ???</li><li>MSc Training Course in ???</li><li>Papers published in international journals</li><li>Papers presented at international conferences</li></ul>	?? ?? ?? ?? ?? ??
<b>Outcome 2: Increased attractiveness of the institution for internationally excellent and mobile researchers.</b>	??, ??, ??	<ul style="list-style-type: none"><li>Etc.</li><li>Etc.</li><li>Etc.</li></ul>	?? ?? ??
<b>Etc.</b>	etc	<ul style="list-style-type: none"><li>Etc</li></ul>	etc





# Potential barriers arising from factors beyond the scope and duration of the project (Section 2.1)

- Scientific related barriers
  - Describe 3-4 challenges/barriers specific to the research topic and/or
  - Describe 3-4 challenges/barriers identified by relevant European Partnerships e.g. Made in Europe
- Country related
  - Describe 3-4 challenges/barriers faced by your country's research and innovation system

**For each challenge/barrier,  
describe a mitigation measure  
the project will take!**







# Dissemination and Communication Plan (Section 2.2)

Dissemination and Communication Plan				
Project result	Partners Concerned	Dissemination Activity	Target audience	Indicator & Target
Project leaflet and poster	Coordinator and Twinning Partners	Distribute during international conferences (e.g. X, Y, Z, etc.), training workshops and outreach events	Scientists, engineers and general public	250+ leaflets distributed, 25+ posters displayed
Press conferences	Coordinator	Press conferences at the start and end of the project	Regional and national news media (radio, TV and print newspapers)	2 conferences, 5+ journalists
Project news	Coordinator and Twinning Partners	Publish project news releases and distribute through broader scientific news channels	Scientists, engineers and general public	2+ press releases
Project website	Coordinator and Twinning Partners	Publish project summary, regular news and event updates on website	Scientists, engineers and general public	2500+ visitors
etc	etc	etc	etc	etc



# Strategy for the management of intellectual property (Section 2.2)



**Include tables that capture ownership of background and foreground knowledge!**

Research Sub-Topic	Existing Background Knowledge
Research Sub-Topic #1: Organic Transistors	Issues concerning high operational voltage for application and mobility overestimation for material analysis purposes.
Research Sub-Topic #2: Organic Light Emitting Diodes	Stability, efficiency and costs of OLEDs.
Research Sub-Topic #3: Organic Solar Cells	Stability, efficiency and costs of OPVs.
Research Sub-Topic #4: Organic energy storage systems	Issues concerning costs (per kWh), stability of storage energy, and stability during charging-discharging cycles. Poor stability of flexible batteries.

Research Sub-Topic	Possible Foreground Knowledge
Research Sub-Topic #1: Organic Transistors	New high electron mobility materials. Gradient source-drain electrode materials to reduce operational voltage. New impedance technique to analyse charge mobility properties.
Research Sub-Topic #2: Organic Light Emitting Diodes	Methods to reduce degradation pathways. New highly efficient TADF-RTP materials for white OLED lighting.
Research Sub-Topic #3: Organic Solar Cells	New non-fullerene acceptors. New structures and new transporting materials to increase charge extraction from the active part of OPVs.
Research Sub-Topic #4: Organic energy storage systems	New materials for flexible batteries for use in flexible devices. Use of carbon nanotubes and graphene in printed batteries. Environmental friendly high capacity flow batteries.



# Section 3: Implementation



- Section 3.1
  - Work package (WP) descriptions
  - Gantt chart
  - Budget



# Work package (WP) descriptions (Section 3.1)



**See  
MS Word file!**



# Gantt Chart (Section 3.1)



**Careful!**  
This is a Gantt chart from a H2020 ERA-Chair proposal. Now, in Horizon Europe, no need for task T1.1!

Deliverables	Milestones	Year 1				Year 2				Year 3				Year 4				Year 5				
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	
<b>WP1 ERA Chair Team Recruitment</b>	MS3  MS5 MS6																					
T1.1 Recruit the Holder of the ERA Chair																						
T1.2 Recruit Experienced Researchers																						
T1.3 Recruit Innovation Manager																						
T1.4 ERA Chair Team Assessment																						
<b>WP2 Strategic Research Programme and Postgraduate Training</b>	MS4  MS9  MS13  MS18																					
T2.1 Develop Strategic Research Programme																						
T2.2 Develop PhD Training Programme																						
T2.3 Develop Master's Training Programme																						
T2.4 Monitor and Assess Postgraduates																						
<b>WP3 SMART Specialisation and European Research Priorities</b>																						
T3.1 Organise workshops relevant to Poland's SMART Specialisation priorities																						
T3.2 Organise workshops relevant to EU R&D calls for proposals																						
<b>WP4 Summer/Winter Schools and International Conferences</b>	MS8  MS10  MS11  MS14  MS16  MS17																					
T4.1 Organise summer and winter schools																						
T4.2 Organise international conferences																						
T4.3 Participate in international conferences																						
<b>WP5 Dissemination and Promotion</b>	MS2																					
T5.1 Produce a data management plan																						
T5.2 Design, implement and maintain a project website																						
T5.3 Produce promotional materials																						
T5.4 Disseminate research papers																						
<b>WP6 Project Management</b>	MS1  MS7  MS12  MS15  MS19																					
T6.1 Project coordination																						
T6.2 Managing administrative matters																						





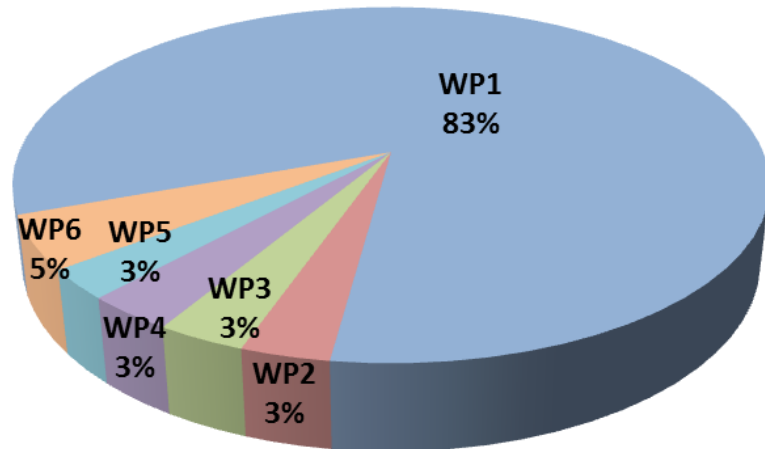


# Budget (Section 3.1)

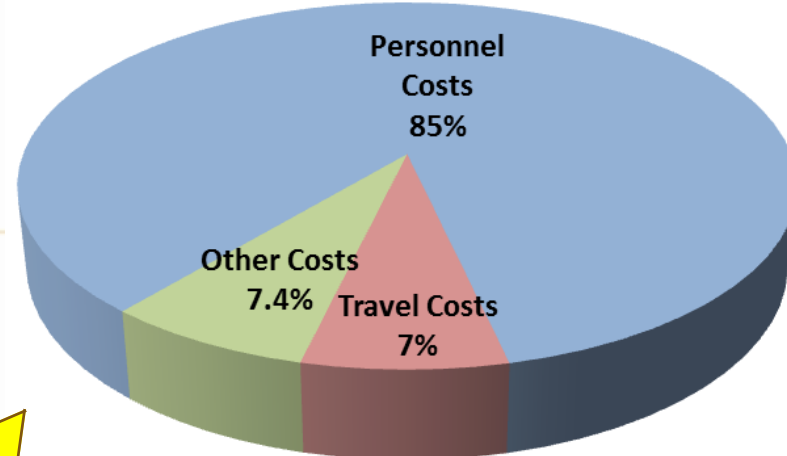
Include some pie charts to illustrate how your budget and efforts (PMs) are allocated!

For WP for project management (i.e. WP6), keep it within 5-7% range.

Person-Month Efforts Distribution (%)



Budget Distribution (%)



Write a few bullet points of “blah-blah” in the proposal justifying the allocation of efforts and budget



# Other Sources of Information (1 of 4)



- Frequently asked questions (FAQs)

The screenshot shows the European Commission website for funding and tender opportunities. The page title is "ERA Chairs" with the topic ID "HORIZON-WIDERA-2022-TALENTS-01-01". A "Grant" button is visible. On the left, a sidebar menu lists various options, with "Topic related FAQ" circled in red. The main content area is titled "General information" and contains the following details:

Programme <b>Horizon Europe Framework Programme (HORIZON)</b>		
Call <b>ERA Chairs (HORIZON-WIDERA-2022-TALENTS-01)</b>		
Type of action <b>HORIZON-CSA HORIZON Coordination and Support Actions</b>		Type of MGA <b>HORIZON Action Grant Budget-Based [HORIZON-AG]</b>
Deadline model <b>single-stage</b>	Opening date <b>29 June 2021</b>	Deadline date <b>15 March 2022 17:00:00 Brussels time</b>

Additional elements include a "See budget overview" button and a "Closed" status indicator.



# Other Sources of Information (2 of 4)



- Investigate proposals funded under previous calls

The screenshot shows the European Commission's 'Funding & tender opportunities' page. The header includes the European Commission logo and the text 'Single Electronic Data Interchange Area (SEDIA)'. There are 'Register' and 'Login' buttons in the top right. A navigation bar contains links for 'SEARCH FUNDING & TENDERS', 'HOW TO PARTICIPATE', 'PROJECTS & RESULTS', 'WORK AS AN EXPERT', and 'SUPPORT'. A 'Grant' filter is active. The main content area is divided into 'General information' and 'Topic description'. The 'General information' section includes details about the programme (Horizon Europe Framework Programme), call (Twinning), type of action (HORIZON-CSA), and type of MGA (HORIZON Action Grant Budget-Based). A 'Closed' status is indicated in a red circle. The 'Deadline model' is 'single-stage', the 'Opening date' is '20 July 2021', and the 'Deadline date' is '18 January 2022 17:00:00 Brussels time'. The 'Topic description' section shows 'ExpectedOutcome:'. In the left sidebar, the 'Funded project list' link is circled in red.

European Commission | Funding & tender opportunities  
Single Electronic Data Interchange Area (SEDIA)

English EN  
Register Login

SEARCH FUNDING & TENDERS | HOW TO PARTICIPATE | PROJECTS & RESULTS | WORK AS AN EXPERT | SUPPORT

Grant

**General information**

Topic description

Destination

Conditions and documents

Submission service

Topic related FAQ

Get support

Call updates

**Funded project list**

Go back

**General information**

Programme  
**Horizon Europe Framework Programme (HORIZON)**

Call  
**Twinning (HORIZON-WIDERA-2021-ACCESS-03)** [See budget overview](#)

Type of action  
**HORIZON-CSA HORIZON Coordination and Support Actions**

Type of MGA  
**HORIZON Action Grant Budget-Based [HORIZON-AG]** Closed

Deadline model  
**single-stage**

Opening date  
**20 July 2021**

Deadline date  
**18 January 2022 17:00:00 Brussels time**

**Topic description**

ExpectedOutcome:



# Other Sources of Information (3 of 4)



- Check to see if the EC published a Youtube video about the call

The screenshot shows a YouTube video player interface. At the top, there is a search bar and the YouTube logo. The video content is a slide titled "ERA CHAIRS IN THE WIDERA WP 2021-2022". The slide includes the following text:

**Policy objectives:**  
The aim of ERA Chairs actions is **attracting outstanding scientists and innovators** to universities or research organisations in Widening countries and, through the leadership of an ERA Chair holder and the **creation of an excellent research group**, ensure excellence and foster competitiveness in research funding as well as **promote institutional reforms** aligned with ERA priorities and a better integration in the European Research Area.

**Call: HORIZON-WIDERA-2022-TALENTS-01**  
Type of action: CSA  
Opening: 29 Jun 2021– Deadline(s): 15 Mar 2022  
Indicative budget (EUR million): 80.00  
Expected EU contribution per project (EUR million) 1,5 to 2,5  
Expected number of projects to be funded: 32  
Duration: up to 5 years

The video player shows a man speaking in a small window. The video title is "Horizon Europe Info Days 2021 |Era & Widening s1". The video progress bar shows 1:13:40 / 2:12:00. The video player includes standard controls like play, pause, volume, and full screen.

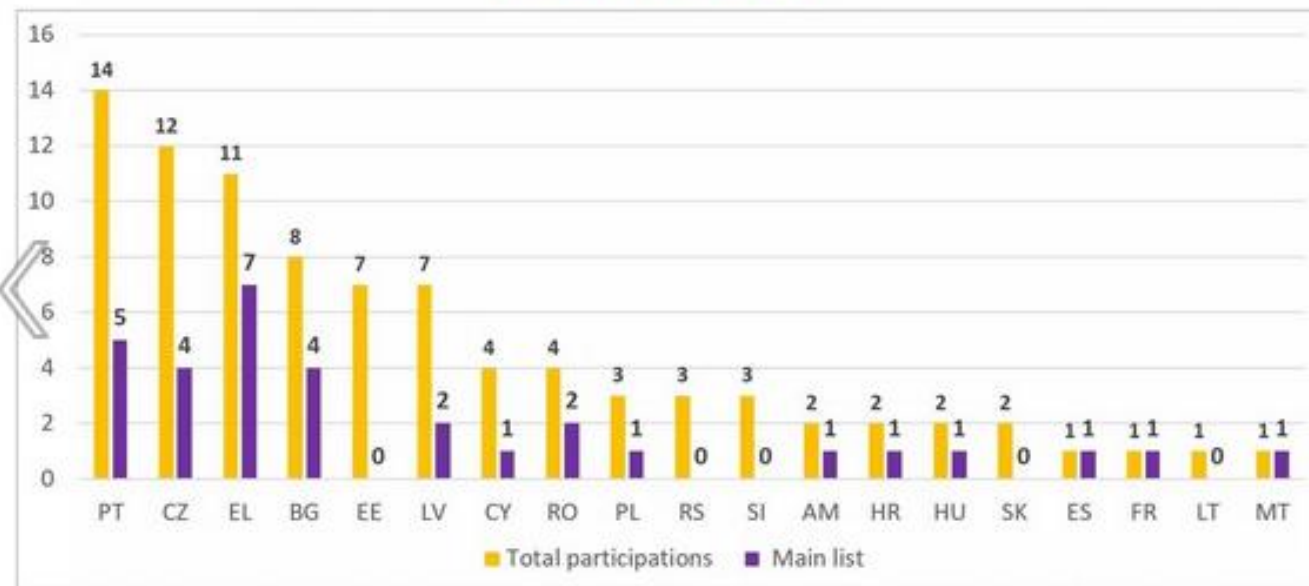




# Other Sources of Information (4 of 4)

- Register for e-newsletters from NCP WIDE.NET ([www.ncpwide.net](http://www.ncpwide.net))

**Applicants – HORIZON-WIDERA-2022-TALENTS-01  
(ERA Chairs)**



Total number of eligible proposals: **88**

Total number of retained: **32** **Coordinators' Day: 6<sup>th</sup> December 2022**







# Questions and Answers about ERA-Chair call (5-10 minutes)





**Good luck with your ERA-Chair proposals!**

