

HORIZON EUROPE

TWINNING WESTERN BALKANS SPECIAL – 1 DAY

TOPIC ID: HORIZON-WIDERA-2021-ACCESS-02-01

PROF. GORAN STOJANOVIĆ

THE VISION OF THIS PROGRAMME

- » TO TACKLE CLIMATE CHANGE
- » TO HELP TO ACHIEVE THE UN'S SUSTAINABLE DEVELOPMENT GOALS
- » TO BOOST THE EU'S COMPETITIVENESS AND GROWTH
- » TO FACILITATE COLLABORATION AND STRENGTHEN THE IMPACT OF RESEARCH AND INNOVATION
- » TO SUPPORT THE CREATION AND BETTER DIFFUSION OF EXCELLENT KNOWLEDGE AND TECHNOLOGIES
- » TO CREATE NEW JOBS, FULLY ENGAGES THE EU'S TALENT POOL, BOOSTS ECONOMIC GROWTH, PROMOTES INDUSTRIAL COMPETITIVENESS



SCIENCE & TECHNOLOGY



SOCIETY



ECONOMY



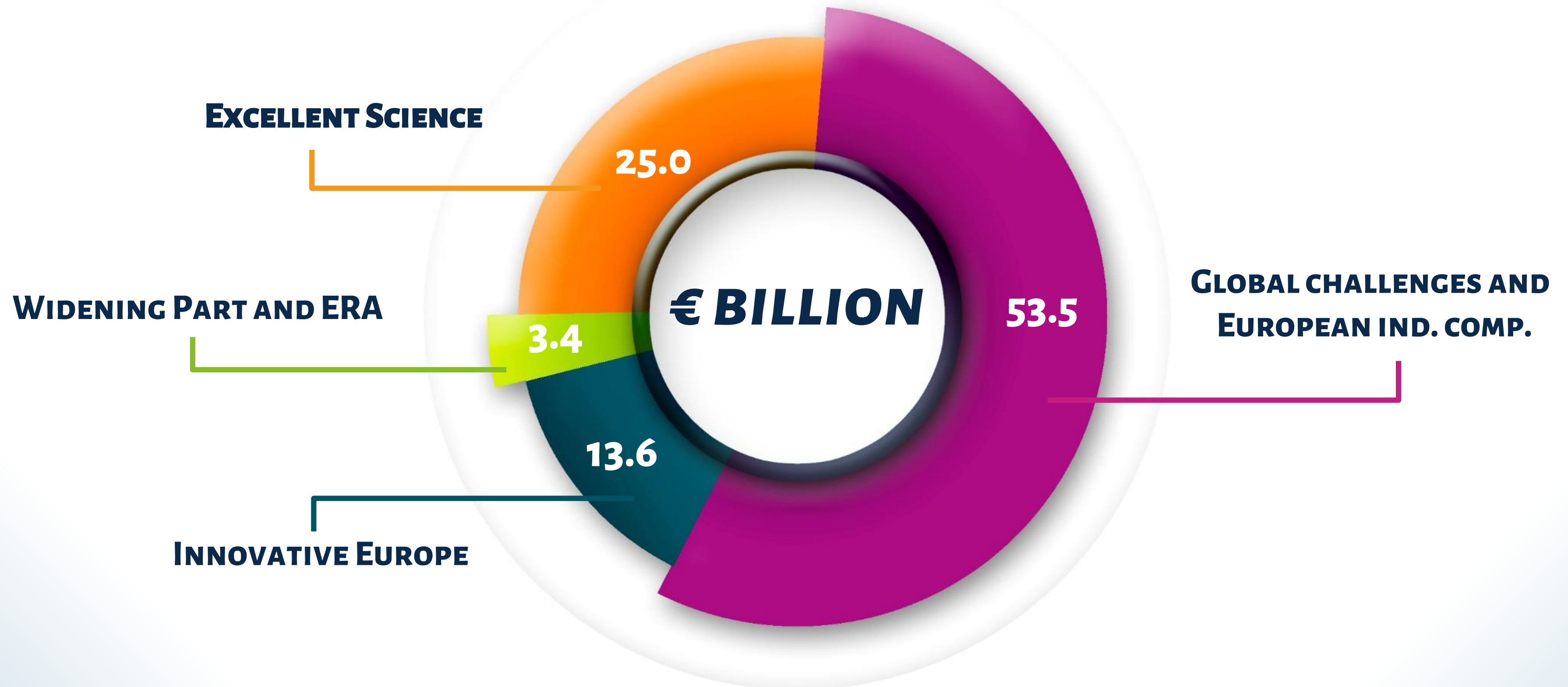
WITH HORIZON EUROPE, WE STEP UP OUR AMBITION FOR A SUSTAINABLE FUTURE. THE PROGRAMME WILL MAXIMISE ITS IMPACT BY STRENGTHENING OUR SCIENTIFIC AND TECHNOLOGICAL BASES, BOOSTING OUR INNOVATION CAPACITY, DRIVING THE GREEN AND DIGITAL TRANSITIONS AND SUPPORTING AN INCLUSIVE RECOVERY.

MARIYA GABRIEL - COMMISSIONER FOR INNOVATION, RESEARCH, CULTURE, EDUCATION & YOUTH

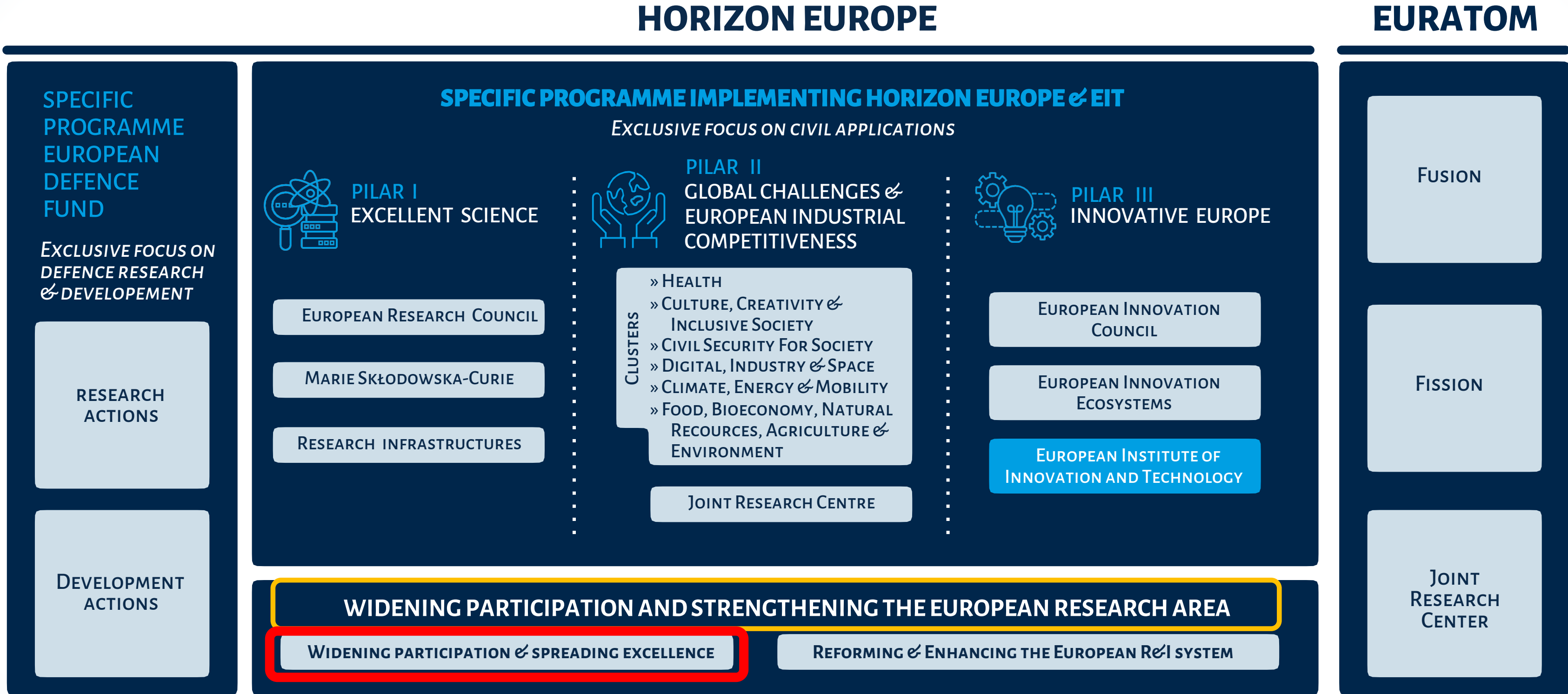
TOTAL BUDGET

HORIZON EUROPE BUDGET: € 95.5 BILLION (2021 - 2027)

(INCLUDING € 5.4 BILLION FROM NGEU –NEXT GENERATION EUROPE PROGRAMME OF RECOVERY FROM COVID -19 CRISIS)



STRUCTURE OF THE PROGRAMME



THE EUROPEAN INSTITUTE FOR INNOVATION & TECHNOLOGY (EIT) IS NOT PART OF SPECIFIC PROGRAMME

HORIZON EUROPE SUPPORTS RESEARCH AND INNOVATION ESPECIALLY THROUGH WORK PROGRAMMES, WHICH SET OUT FUNDING OPPORTUNITIES FOR RESEARCH AND INNOVATION ACTIVITIES.

HORIZONTAL -WIDENING PARTICIPATION

WIDENING PARTICIPATION AND SPREADING EXCELLENCE

€2.96 BILLION

- » TEAMING, TWINNING, ERA CHAIRS
- » EUROPEAN COOPERATION IN SCIENCE AND TECHNOLOGY (COST)
- » BOOSTING NATIONAL CONTACT POINTS' (NCPs) ACTIVITIES, PRE-PROPOSAL CHECKS AND ADVICE
- » BRAIN CIRCULATION
- » EXCELLENCE INITIATIVES
- » POSSIBILITY FOR ENTITIES FROM WIDENING COUNTRIES TO JOIN ALREADY SELECTED COLLABORATIVE R&I ACTIONS
- » RECOGNITION OF PARTICIPATION
- » MATCHMAKING SERVICES

HORIZON EUROPE - WIDENING PARTICIPATION AND SPREADING EXCELLENCE - TOPICS

➤ TEAMING OF EXCELLENT RESEARCH INSTITUTIONS AND LOW PERFORMING RDI REGIONS

... WILL INVEST IN EUROPE'S RESEARCH AND INNOVATION POTENTIAL THROUGH SUPPORTING THE CREATION OF NEW (OR UPGRADING OF EXISTING) CENTRES OF EXCELLENCE ON THE BASIS OF PARTNERSHIPS WITH INTERNATIONALLY LEADING INSTITUTIONS.

➤ TWINNING OF RESEARCH INSTITUTIONS

... AIMS TO BUILD ON THE HUGE POTENTIAL OF NETWORKING FOR EXCELLENCE THROUGH KNOWLEDGE TRANSFER AND EXCHANGE OF BEST PRACTICE BETWEEN RESEARCH INSTITUTIONS AND LEADING PARTNERS.

➤ ERA CHAIRS

... WILL BRING OUTSTANDING RESEARCHERS TO UNIVERSITIES AND OTHER RESEARCH ORGANISATIONS THAT HAVE HIGH POTENTIAL FOR RESEARCH EXCELLENCE.

WIDENING PARTICIPATION AND STRENGTHENING THE ERA



EN

Horizon Europe

Work Programme 2021-2022

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

(European Commission Decision C(2021)4200 of 15 June 2021)

*Horizon Europe - Work Programme 2021-2022
Widening participation and strengthening the European Research Area*

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WIDENING PARTICIPATION AND STRENGTHENING THE ERA

*Horizon Europe - Work Programme 2021-2022
Widening participation and strengthening the European Research Area*

The Union now needs to raise the bar on the quality and impact of its R&I system, requiring a renewed ERA across the EU and associated countries, strongly supported by the Horizon Europe and national and regional programmes.

Article 181(2) of the TFEU specifically points out that, a well-integrated yet tailored set of Union measures is needed, combined with reforms and performance enhancements at national and regional level (through smart specialisation strategies) and along with effective institutional changes within research funding and performing organisations, including universities, will lead to outstanding knowledge production. Therefore, the enabling conditions related to the governance of smart specialisation introduced under the new generation of cohesion policy programmes is a key delivery tool of these reforms. By joining efforts at Union level, synergies can be exploited across Europe and the necessary scale can be found to make support to national policy reforms more efficient and impactful.

The activities supported under this part specifically address ERA policy priorities, notably deepening the ERA while generally underpinning all parts of Horizon Europe. In this regard, they aim at encouraging more investments, improving the access to excellence, translating R&I results into the economy and improving research management capabilities.

Activities will also foster brain circulation across the ERA through mobility of researchers and innovators, to address current imbalances, and will support the development of networks of scholars, scientists, researchers and innovators, policy makers and research managers to put all their (intangible) assets to the service of the ERA and by supporting the development of domain-specific science roadmaps.

The goal is a Union, where knowledge and a highly-skilled workforce circulate freely, research outputs are shared rapidly and efficiently, where researchers benefit from attractive careers and gender equality is ensured, where Member States and associated countries develop common strategic research agendas, aligning national plans, defining and implementing joint programmes, and where the outcomes of R&I are understood and trusted by informed citizens and benefit society as a whole.

*Horizon Europe - Work Programme 2021-2022
Widening participation and strengthening the European Research Area*

This programme part is especially responding to the second policy priority of the ERA communication i.e., improving access to excellence: towards more excellence and stronger R&I systems across the whole of the EU where best practice is disseminated faster across Europe. It will support the widening countries to increase the performance of their R&I systems towards excellence through building on dedicated Horizon Europe measures and complementarities with smart specialisation strategies under Cohesion Policy. Nevertheless, it is not made-up exclusively for participants from widening countries since it pursues a pan-European approach of collaboration and mutual knowledge sharing in the spirit of solidarity.

The key objectives of this component of the work programme are the following:

1. Encourage institutional reforms and transformation processes of the R&I system at national and regional level in widening countries in line with ERA principles
2. Mobilise national investments in R&I capacity in widening countries
3. Raise the bar for excellence of R&I actors in widening countries in partnership with outstanding European and international institutions ('win-win situation')
4. Increase number of participations and success rates of widening actors in research and innovation projects in other parts of Horizon Europe (notably in pillars 2 and 3)
5. Promote the creation of new innovation ecosystems and scale up existing ones by a set of measures, which include, among other, place based and international collaboration between academia and business in widening countries
6. Foster brain circulation, including inter-sectoral mobility for researchers and innovators and turn it into brain gain for widening countries

DO NOT MISS TO READ INTRODUCTORY TEXT IN THIS WORK PROGRAMME ! (PAGES 7 - 10)

WIDENING PARTICIPATION AND STRENGTHENING THE ERA

- WHILE R&I IS THE ENGINE OF LONG-TERM PRODUCTIVITY GROWTH, EUROPE CONTINUES TO LAG BEHIND IN TURNING THE OUTCOMES OF ITS EXCELLENT RESEARCH INTO DISRUPTIVE INNOVATION
- THERE IS A GROWING DISPARITY BETWEEN COUNTRIES AND REGIONS IN TERMS OF R&I PERFORMANCE, WHICH CALLS FOR FULLY MOBILISING RESEARCH, INNOVATION AND TECHNOLOGICAL CAPACITIES IN **LESS DEVELOPED REGIONS**
- **MORE AND BETTER LINKS BETWEEN R&I ACTORS** ACROSS EUROPE ARE NEEDED, IF EUROPE AS A WHOLE WANTS TO CAPITALISE ON EXCELLENCE FROM ACROSS THE CONTINENT, MAXIMISE THE VALUE OF PUBLIC AND PRIVATE INVESTMENTS, AND THEIR IMPACTS ON PRODUCTIVITY, ECONOMIC GROWTH, JOB CREATION AND WELL-BEING
- IT IS GOING TO **AMPLIFY GEOGRAPHICAL DIVERSITY**, BUILD THE NECESSARY CAPACITY TO ALLOW SUCCESSFUL PARTICIPATION IN THE R&I PROCESS AND **PROMOTE NETWORKING** AND **ACCESS TO EXCELLENCE**
- SYNERGIES CAN BE EXPLOITED ACROSS EUROPE AND THE NECESSARY SCALE CAN BE FOUND TO MAKE SUPPORT TO **NATIONAL POLICY REFORMS** MORE EFFICIENT AND IMPACTFUL

WIDENING PARTICIPATION AND STRENGTHENING THE ERA

- REFORMS AND PERFORMANCE ENHANCEMENTS AT NATIONAL AND REGIONAL LEVEL (THROUGH **SMART SPECIALISATION STRATEGIES**) AND ALONG WITH EFFECTIVE INSTITUTIONAL CHANGES WITHIN RESEARCH FUNDING AND PERFORMING ORGANISATIONS, INCLUDING UNIVERSITIES, WILL LEAD TO **OUTSTANDING KNOWLEDGE PRODUCTION**
- **KEY WORDS:**
 - IMPROVING THE ACCESS TO EXCELLENCE
 - TRANSLATING R&I RESULTS INTO THE ECONOMY
 - IMPROVING RESEARCH MANAGEMENT CAPABILITIES
 - BRAIN CIRCULATION ACROSS THE ERA
 - SUPPORTING THE DEVELOPMENT OF DOMAIN-SPECIFIC SCIENCE ROADMAPS
 - ADVANCE TO THE COMPETITIVE EDGE AT EUROPEAN AND INTERNATIONAL LEVEL
 - INFORMED CITIZENS AND BENEFIT SOCIETY AS A WHOLE
- THIS CALL WILL CONTRIBUTE DE FACTO TO ALL SDGs, BUT **DIRECTLY TO THE FOLLOWING**: SDG 4 - QUALITY EDUCATION; SDG 5 - GENDER EQUALITY; SDG 9 - INDUSTRY, INNOVATION AND INFRASTRUCTURE; SDG 17 - PARTNERSHIP FOR THE GOALS, AS WELL AS **EUROPEAN GREEN DEAL AND THE EU'S DIGITAL STRATEGY**

WIDENING PARTICIPATION AND STRENGTHENING THE ERA

- **EXISTING DISPARITIES** BETWEEN R&I LEADING AND LAGGING COUNTRIES CAN BE TACKLED BY INTRODUCING STRUCTURAL POLICY REFORMS
- CLOSER **LINKS** BETWEEN RESEARCH AND INNOVATION AND INSTITUTIONAL COOPERATION **TO PRODUCE HIGH-QUALITY KNOWLEDGE** ARE ALSO PARAMOUNT TO HELP BRIDGING THESE DISPARITIES
- LESS R&I ADVANCED COUNTRIES WILL BE ABLE TO UPGRADE THEIR R&I SYSTEMS, MAKING THEM STRONGER AND **ALLOWING THE EU AS A WHOLE TO ADVANCE TOGETHER**
- IN THE FIELD OF **CLIMATE SCIENCE** AS WELL AS **CLEAN-TECH** AND **ENERGY&TRANSPORT TECHNOLOGIES**, DISPARITIES BETWEEN R&I LEADING AND LAGGING COUNTRIES ARE PARTICULARLY LARGE
- CAPACITY BUILDING WILL GO BEYOND PURELY **SCIENTIFIC CAPACITIES** SINCE IT INCLUDES THE DEVELOPMENT OF **MANAGEMENT AND ADMINISTRATIVE CAPACITIES** FOR THE BENEFIT OF INSTITUTIONS THAT ARE EAGER TO TAKE OVER **CONSORTIUM LEADERSHIP ROLES** ESPECIALLY UNDER PILLAR 2

TWINNING WESTERN BALKANS

proposals in the group. This rule establishing the priority order serves to better spread the impact of the action and to strengthen the efficiency of the ‘Widening participation and spreading excellence’ programme.

Expected Outcome: The special Twinning call for Western Balkans will contribute to the wide policy initiative to support of Western Balkan countries. The European Commission adopted on 6th of October a comprehensive Economic and Investment Plan for the Western Balkans (COM(2020) 641, 6/10/2020) , which aims to spur the long-term economic recovery of the region, support a green and digital transition, foster regional integration and convergence with the European Union.

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Horizon Europe - Work Programme 2021-2022 Widening participation and strengthening the European Research Area

Twinning aims to enhance networking activities between the research institutions of the Western Balkan Countries and top-class leading counterparts at EU level by linking it with at least two research institutions from two different Member States or Associated Countries. Therefore, building on the huge potential of networking for excellence through knowledge transfer and exchange of best practice between research institutions and partners. Twinning actions intend to help raise the research profile of the institution from the Western Balkan country as well as the research profile of its staff including a special focus on strengthening the research management and administrative skills of the coordination institution from the Western Balkan Country.

This special Twinning aims to enhance networking activities between the research institutions of the Western Balkan countries and leading counterparts at EU level. It links the coordinator located in a Western Balkan country with at least two leading research institutions from two different Member States or Associated Countries in the role of the advanced partners. Therefore, it builds on the huge potential of networking for excellence through knowledge transfer and exchange of best practice between research institutions and partners.

Twinning proposals should have to clearly outline the scientific strategy for stepping up and stimulating scientific excellence and innovation capacity in a defined area of research as well

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Horizon Europe - Work Programme 2021-2022 Widening participation and strengthening the European Research Area

as the scientific quality of the partners involved in the twinning exercise. This scientific strategy should include arrangements for formulating new (or ongoing) joint research project(s) in the scientific area of choice and describe how Twinning will take this research to a new stage, by enlarging its scope and/or the research partnership. If relevant, any links with sustainable development objectives are to be outlined.

Such a strategy should include a comprehensive set of activities to be supported. These should include at least a number of the following: a) short-term staff exchanges; b) expert visits and short term on-site or virtual training; c) workshops; d) conference attendance; e) organisation of joint summer school type activities; f) dissemination and outreach activities. As far as

Programme:

Horizon Europe Framework Programme (HORIZON)

Call:**Twinning Western Balkans (HORIZON-WIDERA-2021-ACCESS-02)****Type of action**

HORIZON-**CSA** HORIZON Coordination and Support Actions

HORIZON Action Grant Budget-Based [HORIZON-AG]

Deadline model

single-stage

Deadline date: 05 October 2021, 17:00:00 Brussels time

The special Twinning call for Western Balkans will contribute to the wide policy initiative to support of Western Balkan countries. The European Commission adopted on 6th of October a comprehensive Economic and Investment Plan for the Western Balkans (COM(2020) 641, 6/10/2020) , which aims to spur the long-term economic recovery of the region, support a green and digital transition, foster regional integration and convergence with the EU.

Specific conditions	
<i>Expected EU contribution per project</i>	The Commission estimates that an EU contribution of between EUR 0.80 and 1.50 million would allow these outcomes to be addressed appropriately. Nonetheless, this does not preclude submission and selection of a proposal requesting different amounts.
<i>Indicative budget</i>	The total indicative budget for the topic is EUR 21.00 million.
<i>Type of Action</i>	Coordination and Support Actions
<i>Eligibility conditions</i>	<p>The conditions are described in General Annex B. The following exceptions apply:</p> <p>The coordinator must be a legal entity established in one of the following countries: Republic of Albania, Montenegro, Bosnia and Herzegovina, Kosovo[This designation is <i>without prejudice to positions</i> on status, and is in line with UNSCR 1244/1999 and the ICJ Opinion on the <i>Kosovo</i> declaration of independence], Montenegro, Republic of North Macedonia, and Republic of Serbia.</p> <p>Furthermore, at least 70% of the budget for research activities must be allocated to the coordinator from the above stated eligible countries.</p>

CALL ANALYSIS

TWINNING AIMS TO ENHANCE NETWORKING ACTIVITIES BETWEEN **THE RESEARCH INSTITUTIONS OF THE WESTERN BALKAN COUNTRIES** AND **TOP-CLASS LEADING COUNTERPARTS AT EU LEVEL** BY LINKING IT WITH **AT LEAST TWO** RESEARCH INSTITUTIONS FROM TWO DIFFERENT MEMBER STATES OR ASSOCIATED COUNTRIES.

BUILDING ON THE HUGE POTENTIAL OF NETWORKING FOR EXCELLENCE THROUGH **KNOWLEDGE TRANSFER** AND **EXCHANGE OF BEST PRACTICE** BETWEEN RESEARCH INSTITUTIONS AND PARTNERS.

TWINNING ACTIONS INTEND TO HELP **RAISE THE RESEARCH PROFILE** OF THE INSTITUTION FROM THE WESTERN BALKAN COUNTRY AS WELL AS THE RESEARCH PROFILE OF ITS STAFF INCLUDING A SPECIAL FOCUS ON STRENGTHENING THE **RESEARCH MANAGEMENT AND ADMINISTRATIVE SKILLS** OF THE COORDINATION INSTITUTION FROM THE WESTERN BALKAN COUNTRY.

CALL ANALYSIS

TWINNING PROPOSALS SHOULD HAVE TO CLEARLY OUTLINE **THE SCIENTIFIC STRATEGY FOR STEPPING UP AND STIMULATING SCIENTIFIC EXCELLENCE AND INNOVATION CAPACITY IN A DEFINED AREA OF RESEARCH** AS WELL AS THE SCIENTIFIC **QUALITY** OF THE PARTNERS INVOLVED IN THE TWINNING EXERCISE.

THIS SCIENTIFIC STRATEGY SHOULD INCLUDE ARRANGEMENTS FOR FORMULATING **NEW (OR ONGOING) JOINT RESEARCH PROJECT(S) IN THE SCIENTIFIC AREA OF CHOICE** AND DESCRIBE HOW TWINNING WILL TAKE THIS RESEARCH TO A NEW STAGE, BY ENLARGING ITS SCOPE AND/OR THE RESEARCH PARTNERSHIP.

IF RELEVANT, ANY LINKS WITH SUSTAINABLE DEVELOPMENT OBJECTIVES ARE TO BE OUTLINED.

SUCH A STRATEGY SHOULD INCLUDE A COMPREHENSIVE SET OF ACTIVITIES TO BE SUPPORTED.

THESE SHOULD INCLUDE AT LEAST A NUMBER OF THE FOLLOWING: **A) SHORT-TERM STAFF EXCHANGES; B) EXPERT VISITS AND SHORT TERM ON-SITE OR VIRTUAL TRAINING; C) WORKSHOPS; D) CONFERENCE ATTENDANCE; E) ORGANISATION OF JOINT SUMMER SCHOOL TYPE ACTIVITIES; F) DISSEMINATION AND OUTREACH ACTIVITIES.**

AS FAR AS APPROPRIATE THESE ACTIVITIES SHOULD TAKE INTO ACCOUNT **THE GENDER EQUALITY PLANS** OF THE PARTICIPANTS.

CALL ANALYSIS

PROPOSALS SHOULD ALSO FOCUS ON **STRENGTHENING THE RESEARCH MANAGEMENT AND ADMINISTRATION SKILLS** OF THE COORDINATING INSTITUTION FROM THE WESTERN BALKAN COUNTRY.

A **DEDICATED WORK PACKAGE OR TASK** SHOULD EMPHASISE SPECIFIC ACTIVITIES, WHICH WILL HELP THE STAFF OF THE COORDINATING INSTITUTION TO IMPROVE THEIR PROPOSAL PREPARATION AND PROJECT MANAGEMENT/ADMINISTRATION SKILLS.

IF NOT YET IN PLACE, SETTING UP/UPGRADING A RESEARCH MANAGEMENT/ADMINISTRATION UNIT WITHIN THE COORDINATING INSTITUTION WOULD BE BENEFICIAL.

THIS WILL BE ACHIEVED BY FULLY UTILISING THE EXPERIENCE AND BEST PRACTICES OF THE INTERNATIONALLY LEADING PARTNERS AND IS EXPECTED TO BE A CONCRETE DELIVERABLE OF THE TWINNING EXERCISE.

A research component not exceeding 30% of the total Horizon Europe grant may include an exploratory research project. This will open opportunities for integrating smaller research projects and by this strengthening the commitment and the engagement of the twinning partners.

CALL ANALYSIS

THE TWINNING PROPOSALS SHOULD ILLUSTRATE QUANTITATIVELY AND QUALITATIVELY THE EXPECTED POTENTIAL IMPACT OF THE TWINNING EXERCISE WITHIN THE COORDINATING INSTITUTION (AND POSSIBLY AT REGIONAL/NATIONAL LEVEL) BASED ON INDICATORS, SUCH AS:

- EXPECTED FUTURE PUBLICATIONS IN PEER REVIEWED JOURNALS,
- COLLABORATION AGREEMENTS WITH BUSINESSES,
- INTELLECTUAL PROPERTY,
- NEW INNOVATIVE PRODUCTS OR SERVICES,
- NUMBER OF INTERNATIONAL STUDENTS AND OF LOCAL STUDENTS' NATIONAL AND INTERNATIONAL MOBILITY,
- NUMBER OF WOMEN SCIENTISTS AND THEIR ROLES IN THE INSTITUTIONS.

CALL ANALYSIS

IT SHOULD BE EXPLAINED HOW THE LEADING SCIENTIFIC INSTITUTIONS IN THE PARTNERSHIP WILL CONTRIBUTE IN TERMS OF PROVISION OF ACCESS TO **NEW RESEARCH AVENUES**, CREATIVITY AND THE DEVELOPMENT OF NEW APPROACHES, AS WELL AS ACTING AS A SOURCE OF INCREASED MOBILITY (INWARDS AND OUTWARDS) OF QUALIFIED SCIENTISTS.

THE BENEFITS FOR THE LEADING SCIENTIFIC INSTITUTIONS AND THE WAY THEY WOULD MATERIALISE THROUGH THE PARTNERSHIP SHOULD BE SUBSTANTIATED.

SPECIFIC ATTENTION SHOULD BE PAID TO GENDER EQUALITY OBJECTIVES, IN LINE WITH THE ORGANISATIONS' COMMITMENTS THROUGH THEIR ADOPTED GENDER EQUALITY PLANS, AND IN LINE WITH ERA OBJECTIVES, AS FAR AS APPROPRIATE.

THE RESEARCH PART OF THE PROJECT SHOULD BE PRESENTED THROUGH A DEDICATED WORK PACKAGE AND PLAN INCLUDING THE SCIENTIFIC OBJECTIVES, TASKS AND ROLES OF THE PARTNERS.

THE DURATION OF THE TWINNING PROJECT SHOULD BE UP **TO 3 YEARS**.

PROJECT RESULTS

EXPECTED OUTCOMES IN SECTION 2.



PROJECT RESULTS ARE EXPECTED TO CONTRIBUTE TO ALL OF THE FOLLOWING EXPECTED OUTCOMES:

- IMPROVED EXCELLENCE CAPACITY AND RESOURCES IN WESTERN BALKAN COUNTRIES ENABLING TO CLOSE THE STILL APPARENT RESEARCH AND INNOVATION GAP WITHIN EUROPE.
- ENHANCED STRATEGIC NETWORKING ACTIVITIES BETWEEN THE RESEARCH INSTITUTIONS OF THE WESTERN BALKAN COUNTRIES AND AT LEAST TWO INTERNATIONALLY-LEADING COUNTERPARTS AT EU LEVEL.
- RAISED REPUTATION, RESEARCH PROFILE AND ATTRACTIVENESS OF THE COORDINATING INSTITUTION FROM THE WESTERN BALKAN COUNTRY AND THE RESEARCH PROFILE OF ITS STAFF.
- STRENGTHENED RESEARCH MANAGEMENT CAPACITIES AND ADMINISTRATIVE SKILLS OF THE STAFF WORKING IN INSTITUTIONS FROM THE WESTERN BALKAN COUNTRY.
- IMPROVED CREATIVITY SUPPORTED BY DEVELOPMENT OF NEW APPROACHES IN R&I COLLABORATION, INCREASED MOBILITY (INWARDS AND OUTWARDS) OF QUALIFIED SCIENTISTS

EXPECTED IMPACTS, IN SECTION 2.



PROPOSALS FOR TOPICS UNDER **THIS DESTINATION** SHOULD SET OUT A CREDIBLE PATHWAY TO CONTRIBUTING TO THE FOLLOWING EXPECTED IMPACTS:

- **INCREASED SCIENCE AND INNOVATION CAPACITIES** FOR ALL ACTORS IN THE R&I SYSTEM IN WIDENING COUNTRIES
- **STRUCTURAL CHANGES** LEADING TO A MODERNISED AND MORE COMPETITIVE R&I SYSTEMS IN ELIGIBLE COUNTRIES
- **REFORMED R&I SYSTEMS** AND INSTITUTIONS LEADING ALSO TO INCREASED ATTRACTIVENESS AND RETENTION OF RESEARCH TALENTS
- MOBILISATION OF NATIONAL AND EUROPEAN RESOURCES FOR STRATEGIC INVESTMENTS
- **HIGHER PARTICIPATION SUCCESS IN HORIZON EUROPE** AND MORE CONSORTIUM LEADERSHIP ROLES
- STRONGER LINKAGES BETWEEN ACADEMIA AND BUSINESS AND IMPROVED CAREER PERMEABILITY
- STRENGTHENED ROLE OF THE HIGHER EDUCATION SECTOR IN RESEARCH AND INNOVATION
- GREATER INVOLVEMENT OF REGIONAL ACTORS IN R&I PROCESS
- IMPROVED OUTREACH TO INTERNATIONAL SCALE FOR ALL ACTORS

ELIGIBLE COSTS

FUNDING FOR:

- SHORT TERM STAFF EXCHANGES
 - EXPERT VISITS AND SHORT-TERM ON-SITE OR VIRTUAL TRAININGS
 - WORKSHOPS
 - CONFERENCE ATTENDANCE
 - ORGANISATION OF JOINT SUMMER SCHOOL TYPE ACTIVITIES
 - DISSEMINATION AND OUTREACH ACTIVITIES
-
- NO SUPPORT TO INFRASTRUCTURE AND EQUIPMENT
 - NO SUPPORT FOR HIRING NEW PERMANENT RESEARCH STAFF
- HOWEVER, PERSONNEL COSTS (I.E. SALARIES) ARE ELIGIBLE***

A research component not exceeding 30% of the total Horizon Europe grant may include an exploratory research project

ALL PROPOSALS MUST BE SUBMITTED ELECTRONICALLY VIA THE FUNDERS & TENDERS PORTAL ELECTRONIC SUBMISSION SYSTEM (ACCESSIBLE VIA THE TOPIC PAGE IN THE SEARCH FUNDING & TENDERS SECTION).

EXPECTED EU CONTRIBUTION PER PROJECT: BETWEEN **EUR 0.80 AND 1.50 MILLION**
THE TOTAL INDICATIVE BUDGET FOR THE TOPIC IS **EUR 21.00 MILLION.**

PAGE LIMITS:

UNLESS PROVIDED OTHERWISE IN THE SPECIFIC CALL CONDITIONS, THE LIMIT FOR A FULL APPLICATION IS 45 PAGES (EXCEPT FOR 'COORDINATION AND SUPPORT' ACTIONS, WHERE THE LIMIT IS **30 PAGES**, AND FOR 'PROGRAMME CO-FUND' ACTIONS, WHERE THE LIMIT IS 70 PAGES).

HOW TO APPLY

WORK PROGRAMMES ANNOUNCE THE SPECIFIC RESEARCH AND INNOVATION AREAS THAT WILL BE FUNDED.

THE FORTHCOMING CALLS FOR PROPOSALS WILL BE ACCESSIBLE THROUGH THE ONE-STOP-SHOP FUNDING AND TENDERS PORTAL.

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/horizon-widera-2021-access-02-01>

The screenshot shows a web browser window with the URL <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/horizon-widera-2021-access-02-01>. The browser's address bar and tabs are visible at the top. The main content area is divided into several sections:

- Proposal page limits and layout:** A section with the text "described in Part B of the Application Form available in the Submission System" and a "show more..." button.
- Partner search:** A section with the heading "Partner search" and a large number "10" indicating the number of organizations. Below the number is the text "Organisations are looking for collaborating partners for this topic" and a "View / Edit" button.
- Start submission:** A section with the heading "Start submission" and two paragraphs of text. The first paragraph explains how to access the Electronic Submission Service. The second paragraph explains how to access existing draft proposals. Below the text is a heading "Please select the type of your submission:" followed by a radio button selection for "HORIZON Coordination and Support Actions [HORIZON-CSA], HORIZON Action Grant Budget-Based [HORIZON-AG]". A "Start submission" button is located at the bottom of this section.

HOW TO APPLY



Create proposal

Deadline
05 October 2021 17:00:00 Brussels Local Time

Warning: Please submit your proposal at the latest **48 hours before the deadline** (to avoid system congestion or system incompatibility issues). Late proposals will not be accepted. Don't wait until the end because you are worried about confidentiality – we will not open the proposals before the deadline. You can submit the proposal as many times as you wish up until the deadline. Each new submitted version will replace the previous one.

Call data:

Call: **HORIZON-WIDERA-2021-ACCESS-02**
Topic: **HORIZON-WIDERA-2021-ACCESS-02-01**
Type of action: **HORIZON-CSA**
Type of MGA: **HORIZON-AG**

Warning: Topic and type of action can only be changed by creating a new proposal.

[Download Part B templates](#)

Find your organisation

PIC Short name

[Search for your organisation](#)

Organisations you have been previously associated with. (Click to select)

- | | |
|--|--|
| PIC: 999825755
FTN
TRG DOSITEJA OBRADOVICA 6
NOVI SAD,RS
VAT: RS100724720 | PIC: 998833833
UNS
DR ZORANA DINDICA 1
NOVI SAD,RS
VAT: RS101636534 |
|--|--|

HOW TO APPLY

Proposal forms



Deadline

05 October 2021 17:00:00 Brussels Local Time

Call data:

Call: **HORIZON-WIDERA-2021-ACCESS-02**

Topic: **HORIZON-WIDERA-2021-ACCESS-02-01**

Type of action: **HORIZON-CSA**

Type of MGA: **HORIZON-AG**



Topic and type of action can only be changed by creating a new proposal.

Proposal data:

Acronym: I

Draft ID: **SEP-210781206**



In this step you can edit the Administrative Forms and upload the proposal itself. ?



Your proposal contains changes that have not yet been submitted.

Administrative forms

Part A

of the project proposal, online fulfilling

Edit forms

View history

Print preview



Part B and Annexes

In this section you may upload the technical annex of the proposal (in PDF format only) and any other requested attachments. ?

Part B

Part B

of the project proposal, uploading in PDF document



Upload

Other Annexes



Upload

[← BACK TO PARTICIPANTS LIST](#)

[VALIDATE](#)

[SUBMIT](#)

HORIZON EUROPE

PROJECT PROPOSAL TEMPLATE

PART A

PROF. GORAN STOJANOVIĆ

PART A

1 – GENERAL INFORMATION

SECTION 1 PROVIDES BASIC DATA ON THE PROPOSAL. IT CAN BE FILLED IN BY CONTACTS OF THE COORDINATOR. OTHER PARTICIPANTS MAY VIEW THIS SECTION ONLY. READ-ONLY PARTS ARE MARKED IN BLUE.

TOPIC CALL	TYPE OF ACTION TYPE OF MODEL GRANT AGREEMENT
ACRONYM	ACRONYM IS MANDATORY
PROPOSAL TITLE	MAX 200 CHARACTERS (WITH SPACES). MUST BE UNDERSTANDABLE FOR NON-SPECIALISTS IN YOUR FIELD. <i>NOTE THAT FOR TECHNICAL REASONS, THE FOLLOWING CHARACTERS ARE NOT ACCEPTED IN THE PROPOSAL TITLE AND WILL BE REMOVED: < > &</i>
DURATION IN MONTHS	ESTIMATED DURATION OF THE PROJECT IN FULL MONTHS.
FIXED KEYWORD	
FIXED KEYWORD	
FREE KEYWORDS	ENTER ANY WORDS YOU THINK GIVE EXTRA DETAIL OF THE SCOPE OF YOUR PROPOSAL (MAX 200 CHARACTERS WIT SPACES).

ABSTRACT

THE ABSTRACT SHOULD PROVIDE THE READER WITH A CLEAR UNDERSTANDING OF THE OBJECTIVES OF THE PROPOSAL, HOW THEY WILL BE ACHIEVED, AND THEIR RELEVANCE TO THE WORK PROGRAMME. THIS SUMMARY WILL BE USED AS THE SHORT DESCRIPTION OF THE PROPOSAL IN THE EVALUATION PROCESS AND IN COMMUNICATIONS TO THE PROGRAMME MANAGEMENT COMMITTEES AND OTHER INTERESTED PARTIES. IT MUST THEREFORE BE SHORT AND PRECISE AND SHOULD NOT CONTAIN CONFIDENTIAL INFORMATION. USE PLAIN TYPED TEXT, AVOIDING FORMULAE AND OTHER SPECIAL CHARACTERS. IF THE PROPOSAL IS WRITTEN IN A LANGUAGE OTHER THAN ENGLISH, PLEASE INCLUDE AN ENGLISH VERSION OF THIS ABSTRACT IN THE PART B (TECHNICAL DESCRIPTION) OF THE PROPOSAL.

APPLICATION FORMS	
PROPOSAL ID XXXXXXXXX	ACRONYM XXXXXXXX

2 – PARTICIPANTS

LIST OF PARTICIPATING ORGANISATIONS

#	PARTICIPATING ORGANISATION LEGAL NAME	COUNTRY
1		
2		
3		

COORDINATOR CONTACTS HAVE THE RIGHTS TO:

- » ADD, DELETE, EDIT AND RE-ORDER PARTNERS IN THE CONSORTIUM
- » ADD, DELETE, EDIT AND RE-ORDER CONTACT POINTS FOR THOSE ORGANISATIONS
- » EDIT ALL SECTIONS OF THE ADMINISTRATIVE FORMS
- » UPLOAD, DELETE, VIEW AND DOWNLOAD PART B AND ANNEXES (WHEN REQUIRED FOR THE CALL)
- » SUBMIT THE PROPOSAL

PARTICIPANT CONTACTS MAY:

- » VIEW ALL THE INFORMATION IN THIS SCREEN, BUT NOT EDIT IT
- » EDIT ONLY THE SECTION FOR THEIR ORGANISATION IN THE ADMINISTRATIVE FORMS (INCLUDING BUDGET)
- » VIEW THE ENTIRE ADMINISTRATIVE FORMS
- » VIEW/DOWNLOAD THE PART B AND OTHER ANNEXES

APPLICATION FORMS		
PROPOSAL ID XXXXXXXXX	ACRONYM XXXXXXXX	PARTICIPANT SHORT NAME: XXXX

ORGANISATION DATA

THE SECTION SHOWS THE ADMINISTRATIVE DATA OF THE PARTICIPATING ORGANISATION AS REGISTERED AND/OR VALIDATED IN THE CENTRAL REGISTRY OF ORGANISATIONS OF THE EUROPEAN COMMISSION, LINKED TO THE GIVEN PIC NUMBER. DATA IN BLUE IS READ-ONLY, MODIFICATION IS NOT POSSIBLE IN THE PROPOSAL FORMS. FOR MORE INFORMATION ON HOW TO MODIFY THIS INFORMATION, PLEASE VISIT THE ONLINE MANUAL ON THE PARTICIPANT REGISTER

PIC	LEGAL NAME
<p>SHORT NAME</p> <p>ADDRESS OF THE ORGANISATION</p> <p>STREET</p> <p>TOWN</p> <p>POSTCODE</p> <p>COUNTRY</p> <p>WEBPAGE</p>	
<p>SPECIFIC LEGAL STATUSES</p> <p><small>READ MORE ABOUT LEGAL STATUSES.</small></p> <p>PUBLIC UNKNOWN _____ UNKNOWN LEGAL PERSON _____ UNKNOWN</p> <p>NON-PROFIT _____ UNKNOWN</p> <p>INTERNATIONAL ORGANISATION _____ UNKNOWN</p> <p>INTERNATIONAL ORGANISATION OF EUROPEAN INTEREST _____ UNKNOWN</p> <p>SECONDARY OR HIGHER EDUCATION ESTABLISHMENT _____ UNKNOWN</p> <p>RESEARCH ORGANISATION _____ UNKNOWN</p>	
<p>SME STATUSS</p> <p><small>THE ENTERPRISE DATA OF THE ORGANISATION IS TAKEN FROM THE BENEFICIARY REGISTER. CHANGES TO THE SELF-DECLARED OR SELF-ASSESSED SME DATA CAN BE PERFORMED BY THE SELF-REGISTRANT OR BY THE LEAR (LEGAL ENTITY APPOINTED REPRESENTATIVE) IN THE BENEFICIARY REGISTER.</small></p> <p>SME SELF DECLARED STATUS _____ UNKNOWN</p> <p>SME SELF - ASSESSMENT _____ UNKNOWN</p> <p>ISME VALIDATION SME _____ UNKNOWN</p>	

APPLICATION FORMS		
PROPOSAL ID XXXXXXXXX	ACRONYM XXXXXXXX	PARTICIPANT SHORT NAME: XXXX

DEPARTMENTS CARRYING OUT THE PROPOSED WORK

THE INFORMATION SERVES MAINLY STATISTICAL PURPOSES. FOR DETERMINING THE ELIGIBILITY OF THE PROPOSAL, THE OFFICIAL ADDRESS OF THE ORGANISATION IS TAKEN INTO ACCOUNT

DEPARTMENT NAME NOT APPLICABLE

SAME AS ORGANISATION ADDRESS

STREET

TOWN

POSTCODE

COUNTRY

LINKS WITH OTHER PARTICIPANTS

PLEASE INDICATE IF THERE ARE DEPENDENCIES WITH OTHER PARTICIPANTS OF THE PROPOSAL.
TWO PARTICIPANTS (LEGAL ENTITIES) ARE DEPENDENT ON EACH OTHER WHERE THERE IS A CONTROLLING RELATIONSHIP BETWEEN THEM:
* A LEGAL ENTITY IS UNDER THE SAME DIRECT OR INDIRECT CONTROL AS ANOTHER LEGAL ENTITY; OR
* A LEGAL ENTITY DIRECTLY OR INDIRECTLY CONTROLS ANOTHER LEGAL ENTITY; OR
* A LEGAL ENTITY IS DIRECTLY OR INDIRECTLY CONTROLLED BY ANOTHER LEGAL ENTITY. CONTROL:
LEGAL ENTITY A CONTROLS LEGAL ENTITY B IF:
* A, DIRECTLY OR INDIRECTLY, HOLDS MORE THAN 50% OF THE NOMINAL VALUE OF THE ISSUED SHARE CAPITAL OR A MAJORITY OF THE VOTING RIGHTS OF THE SHAREHOLDERS OR ASSOCIATES OF B, OR
* A, DIRECTLY OR INDIRECTLY, HOLDS IN FACT OR IN LAW THE DECISION-MAKING POWERS IN B.
THE FOLLOWING RELATIONSHIPS BETWEEN LEGAL ENTITIES SHALL NOT IN THEMSELVES BE DEEMED TO CONSTITUTE CONTROLLING RELATIONSHIPS:
(A) THE SAME PUBLIC INVESTMENT CORPORATION, INSTITUTIONAL INVESTOR OR VENTURE-CAPITAL COMPANY HAS A DIRECT OR INDIRECT HOLDING OF MORE THAN 50 % OF THE NOMINAL VALUE OF THE ISSUED SHARE CAPITAL OR A MAJORITY OF VOTING RIGHTS OF THE SHAREHOLDERS OR ASSOCIATES;
(B) THE LEGAL ENTITIES CONCERNED ARE OWNED OR SUPERVISED BY THE SAME PUBLIC BODY.

APPLICATION FORMS		
PROPOSAL ID XXXXXXXXX	ACRONYM XXXXXXXX	PARTICIPANT SHORT NAME: XXXX

MAIN CONTACT PERSON

IT IS THE MAIN SCIENTIST OR TEAM LEADER IN CHARGE OF THE PROPOSAL FOR THE PARTICIPANT. FOR PARTICIPANT NUMBER 1 (THE COORDINATOR), THIS WILL BE THE PERSON THE EU SERVICES WILL CONTACT CONCERNING THIS PROPOSAL (E.G. FOR ADDITIONAL INFORMATION, INVITATION TO HEARINGS, SENDING OF EVALUATION RESULTS, CONVOCATION TO NEGOTIATIONS). THE DATA IN BLUE IS READ-ONLY. DETAILS (NAME, FIRST NAME AND E-MAIL) OF MAIN CONTACT PERSONS SHOULD BE EDITED IN STEP 4 OF THE SUBMISSION WIZARD.

TITLE GENDER WOMAN MAN NON BINARY

FIRST NAME	LAST NAME
E-MAIL	

POSITION IN ORG

DEPARTMENT SAME AS ORGANISATION

SAME AS ORGANISATION ADDRESS

STREET

TOWN

COUNTRY

WEBSITE

PHONE1 PHONE2

APPLICATION FORMS		
PROPOSAL ID XXXXXXXXX	ACRONYM XXXXXXXX	PARTICIPANT SHORT NAME: XXXX

RESEARCHERS INVOLVED IN THE PROPOSAL

IT NEEDS INSTRUCTIONS THAT WE ONLY NEED NAMES OF RESEARCHERS AND ADD A LINK WITH DEFINITION OF RESEARCHER.

INCLUDE ALSO PERSON IN CHARGE OF THE PROPOSAL IF A RESEARCHER

THE TABLE SHOWS THE DATA OF THE RESEARCHERS AS REGISTERED IN THE PERSON PROFILE OF THE PORTAL. DATA IS READ-ONLY; MODIFICATION IS NOT POSSIBLE IN THE PROPOSAL FORMS. FOR MORE INFORMATION ON HOW TO MODIFY THIS INFORMATION, PLEASE VISIT THE ONLINE MANUAL ON THE PARTICIPANT REGISTRY.

TITLE	FIRST NAME	LAST NAME	GENDER	NATIONALITY	E-MAIL	CAREER STAGE ¹	ROLE OF RESEARCHER (IN THE PROJECT)	REFERENCE IDENTIFIER	TYPE OF IDENTIFIER
			[WOMAN] [MAN] [NON-BINARY]			[CATEGORY A – TOP GRADE RESEARCHER] [CATEGORY B – SENIOR RESEARCHER] [CATEGORY C – RECOGNISED RESEARCHER] [CATEGORY D – FIRST STAGE RESEARCHER]	[LEADING] [TEAM MEMBER]		[ORCID] [RESEARCHER ID] [OTHER - SPECIFY]

¹ CAREER STAGES AS DEFINED IN FRASCATI 2015 MANUAL:

CATEGORY A – TOP GRADE RESEARCHER: THE SINGLE HIGHEST GRADE/POST AT WHICH RESEARCH IS NORMALLY CONDUCTED. EXAMPLE: 'FULL PROFESSOR' OR 'DIRECTOR OF RESEARCH'.

CATEGORY B – SENIOR RESEARCHER: RESEARCHERS WORKING IN POSITIONS NOT AS SENIOR AS TOP POSITION BUT MORE SENIOR THAN NEWLY QUALIFIED DOCTORAL GRADUATES (ISCED LEVEL 8). EXAMPLES: 'ASSOCIATE PROFESSOR' OR 'SENIOR RESEARCHER' OR 'PRINCIPAL INVESTIGATOR'.

CATEGORY C – RECOGNISED RESEARCHER: THE FIRST GRADE/POST INTO WHICH A NEWLY QUALIFIED DOCTORAL GRADUATE WOULD NORMALLY BE RECRUITED. EXAMPLES: 'ASSISTANT PROFESSOR', 'INVESTIGATOR' OR 'POST-DOCTORAL FELLOW'.

CATEGORY D – FIRST STAGE RESEARCHER: EITHER DOCTORAL STUDENTS AT THE ISCED LEVEL 8 WHO ARE ENGAGED AS RESEARCHERS, OR RESEARCHERS WORKING IN POSTS THAT DO NOT NORMALLY REQUIRE A DOCTORATE DEGREE. EXAMPLES: 'PHD STUDENTS' OR 'JUNIOR RESEARCHERS' (WITHOUT A PHD).

APPLICATION FORMS		
PROPOSAL ID XXXXXXXXX	ACRONYM XXXXXXXX	PARTICIPANT SHORT NAME: XXXX

ROLE OF PARTICIPATING ORGANISATION IN THE PROJECT	
<i>APPLICANTS MAY SELECT MORE THAN ONE OPTION. FOR GUIDANCE ON THE DIFFERENT OPTIONS, PLEASE GO TO THE ONLINE MANUAL ON THE FUNDING & TENDERS PORTAL.</i>	
PROJECT MANAGEMENT	<input type="checkbox"/>
COMMUNICATION, DISSEMINATION AND ENGAGEMENT	<input type="checkbox"/>
PROVISION OF RESEARCH AND TECHNOLOGY INFRASTRUCTURE	<input type="checkbox"/>
CO-DEFINITION OF RESEARCH AND MARKET NEEDS	<input type="checkbox"/>
CIVIL SOCIETY REPRESENTATIVE	<input type="checkbox"/>
POLICY MAKER OR REGULATOR, INCL. STANDARDISATION BODY	<input type="checkbox"/>
RESEARCH PERFORMER	<input type="checkbox"/>
TECHNOLOGY DEVELOPER	<input type="checkbox"/>
TESTING/VALIDATION OF APPROACHES AND IDEAS	<input type="checkbox"/>
PROTOTYPING AND DEMONSTRATION	<input type="checkbox"/>
IPR MANAGEMENT INCL. TECHNOLOGY TRANSFER	<input type="checkbox"/>
PUBLIC PROCURER OF RESULTS	<input type="checkbox"/>
PRIVATE BUYER OF RESULTS	<input type="checkbox"/>
FINANCE PROVIDER (PUBLIC OR PRIVATE)	<input type="checkbox"/>
EDUCATION AND TRAINING	<input type="checkbox"/>
CONTRIBUTIONS FROM THE SOCIAL SCIENCES OR/AND THE HUMANITIES	<input type="checkbox"/>
OTHER SPECIFY (50 CHARACTER LIMIT):	<input type="checkbox"/>

LIST OF UP TO 5 PUBLICATIONS, WIDELY-USED DATASETS, SOFTWARE, GOODS, SERVICES, OR ANY OTHER ACHIEVEMENTS RELEVANT TO THE CALL CONTENT.	
TYPE OF ACHIEVEMENT	SHORT DESCRIPTION
[PUBLICATION]	KEY ELEMENTS OF THE ACHIEVEMENT, INCLUDING A SHORT QUALITATIVE ASSESSMENT OF ITS IMPACT AND (WHERE AVAILABLE) ITS DIGITAL OBJECT IDENTIFIER (DOI) OR OTHER TYPE OF PERSISTENT IDENTIFIER (PID). PUBLICATIONS, IN PARTICULAR JOURNAL ARTICLES, ARE EXPECTED TO BE OPEN ACCESS. DATASETS ARE EXPECTED TO BE FAIR AND 'AS OPEN AS POSSIBLE, AS CLOSED AS NECESSARY'.
[DATASET]	
[SOFTWARE]	
[GOOD]	
[SERVICE]	

APPLICATION FORMS		
PROPOSAL ID XXXXXXXXX	ACRONYM XXXXXXXX	PARTICIPANT SHORT NAME: XXXX

LIST OF UP TO 5 MOST RELEVANT PREVIOUS PROJECTS OR ACTIVITIES, CONNECTED TO THE SUBJECT OF THIS PROPOSAL	
NAME OF PROJECT OR ACTIVITY	SHORT DESCRIPTION

DESCRIPTION OF ANY SIGNIFICANT INFRASTRUCTURE AND/OR ANY MAJOR ITEMS OF TECHNICAL EQUIPMENT, RELEVANT TO THE PROPOSED WORK	
NAME OF INFRASTRUCTURE OR EQUIPMENT	SHORT DESCRIPTION

GENDER EQUALITY PLAN

ONLY PUBLIC BODIES, HIGHER EDUCATION ESTABLISHMENTS AND RESEARCH ORGANISATIONS MUST ANSWER THIS QUESTION. BE AWARE THAT IF THE PROPOSAL IS SELECTED, HAVING A GENDER EQUALITY PLAN WILL BE NECESSARY BEFORE THE GRANT SIGNATURE.

DOES THE ORGANISATION HAVE A GENDER EQUALITY PLAN (GEP) COVERING THE ELEMENTS LISTED BELOW? YES NO

MINIMUM REQUIREMENTS (BUILDING BLOCKS) FOR A GEP

- » **PUBLIC GEP:** FORMAL DOCUMENT PUBLISHED ON THE INSTITUTION'S WEBSITE AND SIGNED BY THE TOP MANAGEMENT, ADDRESSING THE FOLLOWING ISSUES:
- » **DEDICATED RESOURCES:** COMMITMENT OF HUMAN RESOURCES AND GENDER EXPERTISE TO IMPLEMENT IT.
- » **DATA COLLECTION AND MONITORING:** SEX/GENDER DISAGGREGATED DATA ON PERSONNEL AND STUDENTS AND ANNUAL REPORTING BASED ON INDICATORS.
- » **TRAINING:** AWARENESS RAISING/TRAININGS ON GENDER EQUALITY AND UNCONSCIOUS GENDER BIASES FOR STAFF AND DECISION-MAKERS.
- » **MINIMUM AREAS TO BE COVERED** AND ADDRESSED VIA CONCRETE MEASURES AND TARGETS:
 - o WORK-LIFE BALANCE AND ORGANISATIONAL CULTURE;
 - o GENDER BALANCE IN LEADERSHIP AND DECISION-MAKING;
 - o GENDER EQUALITY IN RECRUITMENT AND CAREER PROGRESSION;
 - o INTEGRATION OF THE GENDER DIMENSION INTO RESEARCH AND TEACHING CONTENT;
 - o MEASURES AGAINST GENDER-BASED VIOLENCE INCLUDING SEXUAL HARASSMENT

3 – BUDGET FOR THE PROPOSAL

NO	PARTICIPANT NAME	COUNTRY	ESTIMATED EXPENDITURE								ESTIMATED INCOME						
			ESTIMATED ELIGIBLE COSTS								REQUESTED EU CONTRIBUTION			REVENUES	OTHER SOURCES OF FINANCING		TOTAL ESTIMATED INCOME (S)=(N) +(O)+(P)+ (Q)+(R)
			A. PERSONNEL COSTS/€ (A1)	B. SUBCONTRACTING COSTS/€ (B)	C. PURCHASE COSTS			D.X [SPECIFIC COST CATEGORY] /€ (DX)	E. INDIRECT COSTS/€ (E) = 25% * [(A1) + (C1) + (C2) + (C3) + (D6) + (D7) + (D8) + (D10) + (D11)]	TOTAL ELIGIBLE COSTS (H) = (A1) + (B) + (C1) + (C2) + (C3) + (D) + (E)	FUNDING RATE (U)	MAXIMUM EU CONTRIBUTION TO ELIGIBLE COSTS (L) = (U) * (H)	EU CONTRIBUTION TO ELIGIBLE COSTS/€ (REQUESTED GRANT AMOUNT) (M) (N)	INCOME GENERATED BY THE ACTION (O)	FINANCIAL CONTRIBUTIONS (Q)	OWN RESOURCES (R)	
					C.1 TRAVEL AND SUBSISTENCE/€ (C1)	C.2 EQUIPMENT/€ (C2)	C.3 OTHER GOODS, WORKS AND SERVICES/€ (C3)										
1	PARTICIPANT 1	NL															
2	PARTICIPANT 2	LB															
	AFFILIATED ENTITY	LB															
3	PARTICIPANT 3	DE															
	ASSOCIATED PARTNER	AR															
4	PARTICIPANT 4 (WITHOUT FUNDING)	US															
TOTAL																	

POSSIBLE 'OTHER COST CATEGORIES' FOR HORIZON EUROPE

4 – ETHICS AND SECURITY

ETHICS ISSUES TABLE

THIS TABLE SHOULD BE COMPLETED AS AN ESSENTIAL PART OF YOUR PROPOSAL. PLEASE GO THROUGH THE TABLE AND INDICATE WHICH ELEMENTS CONCERN YOUR PROPOSAL BY ANSWERING 'YES' OR 'NO'. IF YOU ANSWER 'YES' TO ANY OF THE QUESTIONS,

INDICATE IN THE ADJACENT BOX AT WHICH PAGE IN YOUR FULL PROPOSAL FURTHER INFORMATION RELATING TO THAT ETHICS ISSUE CAN BE FOUND, AND PROVIDE ADDITIONAL INFORMATION ON THAT ETHICS ISSUE IN THE ETHICS SELF-ASSESSMENT SECTION.

FOR MORE INFORMATION ON EACH OF THE ETHICS ISSUES AND HOW TO ADDRESS THEM, INCLUDING DETAILED LEGAL REFERENCES, SEE THE GUIDELINES 'HOW TO COMPLETE YOUR ETHICS SELF-ASSESSMENT'.

1. HUMAN EMBRYONIC STEM CELLS AND HUMAN EMBRYOS			PAGE
DOES THIS ACTIVITY INVOLVE HUMAN EMBRYONIC STEM CELLS (HESCs)?		<input type="radio"/> YES <input type="radio"/> NO	
IF YES:	WILL THEY BE DIRECTLY DERIVED FROM EMBRYOS WITHIN THIS PROJECT?	<input type="radio"/> YES <input type="radio"/> NO	
	ARE THEY PREVIOUSLY ESTABLISHED CELLS LINES?	<input type="radio"/> YES <input type="radio"/> NO	
	ARE THE CELL LINES REGISTERED IN THE EUROPEAN REGISTRY FOR HUMAN EMBRYONIC STEM CELL LINES?	<input type="radio"/> YES <input type="radio"/> NO	
DOES THIS ACTIVITY INVOLVE THE USE OF HUMAN EMBRYOS?		<input type="radio"/> YES <input type="radio"/> NO	
IF YES:	WILL THE ACTIVITY LEAD TO THEIR DESTRUCTION?	<input type="radio"/> YES <input type="radio"/> NO	
2. HUMANS			PAGE
DOES THIS ACTIVITY INVOLVE HUMAN PARTICIPANTS?		<input type="radio"/> YES <input type="radio"/> NO	
IF YES:	ARE THEY VOLUNTEERS FOR NONMEDICAL STUDIES (E.G. SOCIAL OR HUMAN SCIENCES RESEARCH)?	<input type="radio"/> YES <input type="radio"/> NO	
	ARE THEY HEALTHY VOLUNTEERS FOR MEDICAL STUDIES?	<input type="radio"/> YES <input type="radio"/> NO	
	ARE THEY PATIENTS FOR MEDICAL STUDIES?	<input type="radio"/> YES <input type="radio"/> NO	
	ARE THEY POTENTIALLY VULNERABLE INDIVIDUALS OR GROUPS?	<input type="radio"/> YES <input type="radio"/> NO	
	ARE THEY CHILDREN/MINORS?	<input type="radio"/> YES <input type="radio"/> NO	
	ARE THEY OTHER PERSONS UNABLE TO GIVE INFORMED CONSENT?	<input type="radio"/> YES <input type="radio"/> NO	
DOES THIS ACTIVITY INVOLVE INTERVENTIONS (PHYSICAL ALSO INCLUDING IMAGING TECHNOLOGY, BEHAVIOURAL TREATMENTS, ETC.) ON THE STUDY PARTICIPANTS?		<input type="radio"/> YES <input type="radio"/> NO	
IF YES:	DOES IT INVOLVE INVASIVE TECHNIQUES?	<input type="radio"/> YES <input type="radio"/> NO	
	DOES IT INVOLVE COLLECTION OF BIOLOGICAL SAMPLES?	<input type="radio"/> YES <input type="radio"/> 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)		<input type="radio"/> YES <input type="radio"/> NO	

HORIZON EUROPE

PROJECT PROPOSAL TEMPLATE

PART B

PROF. GORAN STOJANOVIĆ

Application form – Part B

1. Excellence

- What

- What is the project about?
-

2. Impact

- Why

- Why should we do the project? What is its value?
-

3. Implementation

- How


- How to achieve the objectives?
-

1. EXCELLENCE

1. Excellence

Excellence – aspects to be taken into account.

- Clarity and pertinence of the project's objectives
- Quality of the proposed coordination and/or support measures including soundness of methodology.

 *The following aspects will be taken into account only to the extent that the proposed work is within the scope of the work programme topic.*

1.1 Objectives *[e.g. 2 pages]*

- Briefly describe the objectives of your proposed work. Why are they pertinent to the work programme topic? Are they measurable and verifiable? Are they realistically achievable?

1.2 Coordination and/or support measures and methodology *[e.g. 6 pages]*

- Describe and explain the coordination and/or support measures and 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 challenges you may have identified in the chosen methodology and how you intend to overcome them. *[e.g. 4.5 pages]*

FIRST CREATE SHORT INTRODUCTION/MOTIVATION

Introduction: With progress of our society, mostly due to industrialization process in the past decades, concentrations of heavy metals (HMs) or heavy elements in our environment have been dramatically increased, causing many negative effects on humans, plants, animals, etc. Floods, smelting, pesticides, fossil fuel combustions, etc. can cause higher concentrations of HMs and hazardous situations for our environment. HMs are very harmful, because metals cannot be degraded and are accumulated in living tissues. HM pollution is still one of the most critical environmental issues. EU has identified HMs like cadmium, lead, mercury as priority hazardous substance in the Directive on Environmental Quality Standards (Directive 2008/105/EC)(EQSD) and WHO (World Health Organization) among the 10 chemicals of major public health concern. In addition, there is a risk to human health and animals' life caused by the food chain affected by pollutants. 71 out of 100 crops, which are producing 90% of food worldwide, are pollinated by bees and the global annual monetary value of pollination has been estimated at hundreds of billions of euros. Over the past 10 to 15 years, beekeepers have been reporting unusual weakening of bee numbers and colony losses and if bees extinct all the plants pollinated by them will be lost, all of the animals that eat those plants and at the end a food for human population of 7 billion will, rapidly, be lost (Figure 1.1). Not a single European country or any other country elsewhere in the world is able to stay out of this issue or deal with it on its own. Bringing together the best research/industry teams in the field will represent the significant step towards Europe's leadership positions in providing healthy and sustainable environment.

This project will contribute to achieving the EU vision by 2050 stated in **EU Biodiversity Strategy to 2020:** *“European Union biodiversity and the ecosystem services it provides – its natural capital – are protected, valued and appropriately restored for biodiversity's intrinsic value and for their essential contribution to human wellbeing and economic prosperity, and so that catastrophic changes caused by the loss of biodiversity are avoided.”*

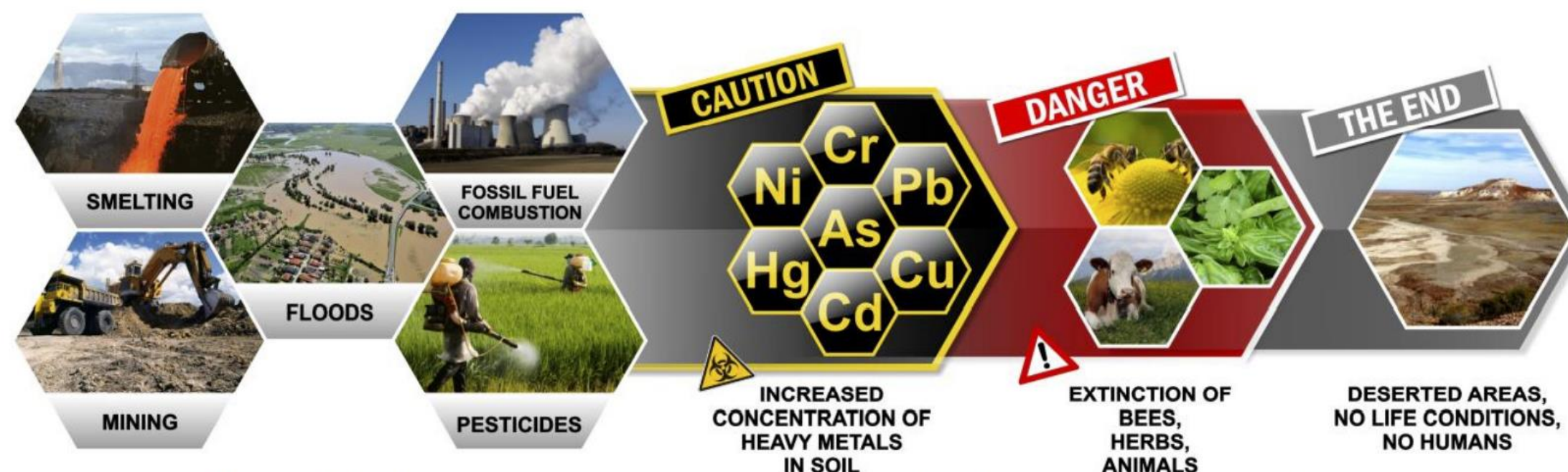


Figure 1.1. Contaminations can cause catastrophic changes all across the Europe

OBJECTIVES – EXAMPLE 1

THE PROJECT OBJECTIVES ARE:

- TO SIGNIFICANTLY INCREASE THE SCIENTIFIC EXCELLENCE IN ... (THE PROJECT FIELD)
- TO CREATE STRONG LINKS AMONG THE MEMBERS OF THE CONSORTIUM ALLOWING A REGULAR KNOWLEDGE SHARING
- TO ENHANCE JOINT RESEARCH COLLABORATION AND PARTNERSHIP BETWEEN CONSORTIUM MEMBERS, WHICH WILL CONTINUE SUSTAINABLY IN THE LONG-TERM
- TO SIGNIFICANTLY INCREASE THE CAPACITY OF THE INSTITUTION TO TRANSLATE EXCELLENT SCIENTIFIC PRODUCTION INTO NEW APPROACHES IN THE PROJECT FIELD, PROVIDING HIGH-QUALITY PRODUCTS, SERVICES AND CONSULTING
- TO IMPROVE CAPABILITY TO COMPETE FOR FUNDING AS WELL AS TO GENERATE USEFUL INTELLECTUAL PROPERTY THAT CAN HELP TO SUPPORT IN THE LONG-TERM THE SUSTAINABILITY OF THE INSTITUTION

DESCRIBE EACH OF THE PROJECT OBJECTIVES IN ONE PARAGRAPH, PROVIDING ALSO MEASURABLE INDICATORS

OBJECTIVES – EXAMPLE 2

THE PROJECT OBJECTIVES ARE:

- TO PROMOTE THE RESEARCH PROJECTS BETWEEN PROJECT PARTNERS IN THE FIELD
- TO TRAIN A NEW GENERATION OF HIGHLY-SKILLED RESEARCHERS CAPABLE OF DEVELOPING NEW ... FOR APPLICATION IN... (NEW NANOMATERIALS FOR BIOMEDICAL APPLICATIONS)
- TO DEVELOP A STRATEGIC PROGRAMME FOCUSING IN THE FIELD OF..., ESTABLISHING (OR STRENGTHENING) LINKS BETWEEN CONSORTIUM MEMBERS
- TO BUILD CAPACITIES FOR PROMOTION OF TECHNOLOGY TRANSFER IN THE PROJECT FIELD
- TO EXTEND NETWORKING AND COLLABORATION AND CREATION OF CAPACITIES FOR BROADER PARTICIPATION OF THE COORDINATING INSTITUTION IN THE HORIZON EUROPE PROGRAMME

This will result in the creation of new research and innovation project consortia through collaboration of coordinating institution with other research groups in Europe (*at least 6 new research groups*) in the project field and preparing new project proposals for EU funded open competitive calls (*at least 3*).

1.2 Coordination and/or support measures and methodology [e.g. 6 pages]

- Describe and explain the coordination and/or support measures and 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 challenges you may have identified in the chosen methodology and how you intend to overcome them. [e.g. 4.5 pages]
 - ⚠ *This section should be presented as a narrative. The detailed tasks and work packages are described below under 'Implementation'.*
 - ⚠ *Where relevant, include how the project methodology complies with the 'do no significant harm' principle as per Article 17 of [Regulation \(EU\) No 2020/852](#) on the establishment of a framework to facilitate sustainable investment (i.e. the so-called 'EU Taxonomy Regulation'). This means that the methodology is designed in a way it is not significantly harming any of the six environmental objectives of the EU Taxonomy Regulation.*
- 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 [e.g. 1 page, including research data management]. If you believe that none of these practices are appropriate for your project, please provide a justification here.
- 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 1/2 page on how the data/research outputs will be managed in line with the FAIR principles (Findable, Accessible, Interoperable, Reusable).
 - ⚠ *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.*

INSTITUTIONS, SWOT, GAP ANALYSIS

Describe your institution

Describe SWOT analysis for your institution

Describe EU partnering institutions, leaders in the project field

They are excellent in... They are better than you in... They have better research performance indicators ...



You want to be like EU top-class leaders

Your vision for development in the research field, based on SWOT/Gap analysis

STATE-OF-THE-ART (SOTA) FOR RESEARCH PART OF THE PROPOSAL

Provide on one page or one page and a half comprehensive overview of state of the art in the project research topic.

References should be cited here

Please also cited recent reference of the members of the consortium in the field, to demonstrate your excellence

Example, one part of the SOTA

Some essential oils have sedative and anxiolytic properties [19], [20] as well as it was reported that the topical application of lavender decreases moderate intensities of pain [21]. Intraoral appliances represent the perfect detection, monitoring and drug-delivery platform in the oral cavity since they are in direct contact with saliva and close to tissues affected by oral diseases. Moreover, fixed orthodontic appliances are associated with poor oral hygiene which leads to increase in plaque accumulation, tooth decalcification and gingival inflammation [22], which makes orthodontic patients the target group for application of these devices. It is also noted that patients' compliance with oral hygiene decreases when they are not under strict professional monitoring, and that use of a reminder system such as mobile applications significantly can improve oral hygiene [23]. Continuous tracking of their own oral health status will additionally motivate patients to maintain better oral health.

STATE OF THE ART AND FREEDOM TO OPERATE

Purpose: explaining how the expected outcomes of the project go beyond current innovations and scientific and/or technical quality.

- Describe how your project goes beyond the state-of-the-art, and the extent the proposed work is ambitious. Indicate any exceptional ground-breaking R&I, novel concepts and approaches, new products, services or business and organisational models. Where relevant, illustrate the advance by referring to products and services already available on the market. Refer to any patent or publication search carried out.

screen **existing project**
landscape
e.g. cordis database

examine **existing scientific**
literature

search in **patent**
databases landscape
e.g. European patent database

CONCEPT AND METHODOLOGY

DESCRIBE IN MORE DETAILS **WHAT** WILL BE DONE IN WORK PACKAGES

EXAMPLE 1 OF WORK PACKAGES :

- WP₁ – KNOWLEDGE EXCHANGE
- WP₂ – STRATEGIC RESEARCH COLLABORATION
- WP₃ – TRAINING AND NETWORKING
- WP₄ – DISSEMINATION AND OUTREACH
- WP₅ – MANAGEMENT

CONCEPT AND METHODOLOGY

DESCRIBE IN MORE DETAILS **WHAT** WILL BE DONE IN RESEARCHWORK PACKAGES AND **HOW**

EXAMPLE 2 OF WORK PACKAGES :

- WP₁ – ESTABLISHING LINKS FOR KNOWLEDGE SHARING
- WP₂ – TRAINING OF NEW GENERATION OF RESEARCHERS
- WP₃ – STRATEGIC RESEARCH PROGRAMME
- WP₄ – NETWORKING AND PROVIDING NEW FUNDS
- WP₅ – DISSEMINATION AND OUTREACH
- WP₆ – MANAGEMENT

The concept. The overall concept underpinning this Project is based on the aim to significantly strengthen the field of Green Electronics at the *UNS*, through close and long-term strategic cooperation with *IIT* and *DTU*. This project proposal will support sustainable raise of the *UNS* research profile (but also *IIT* and *DTU*) as well as the research profile of its staff, consequently helping to accomplish the mission and vision of the *UNS*.

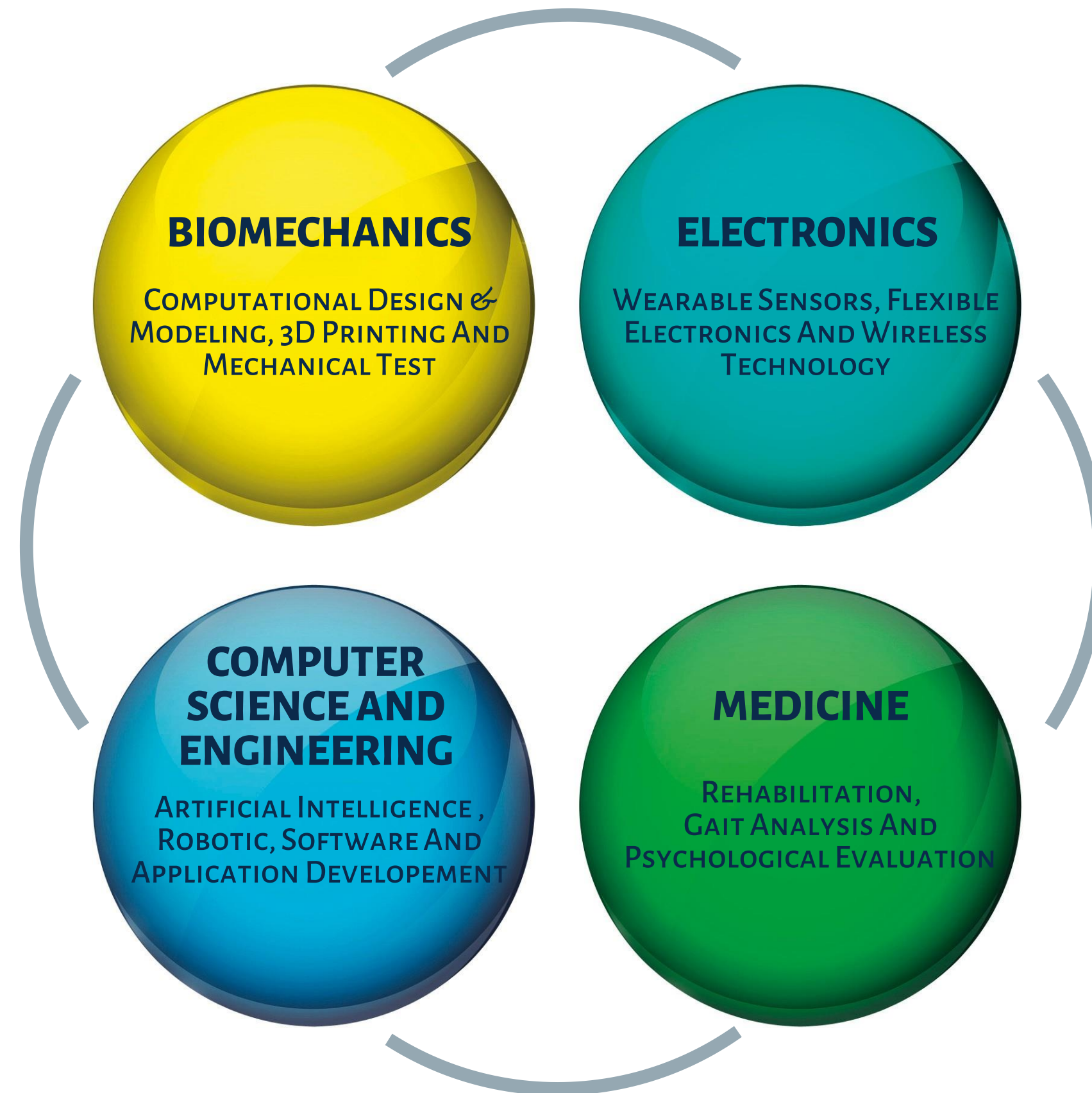
UNS mission: *UNS* is a higher education and a research intensive institution which mission is to produce well-educated students on three level of study, to develop research, technological and innovation solutions as well as to transfer applied research results into industry. This mission is based on the constant elevation of the profile of the research staff, infrastructural resources and international collaboration to achieve the research-productivity goals.

UNS vision: Vision of *UNS* is to reach the peak of excellence in the high-tech priority areas of research (such as Green Electronics) through constantly enhancing research collaboration with international leaders, following motto “**high position among the best in EU**” and having a positive impact within the local, national and international community.

WP1: Sustainable linking for excellence

This project proposal is based on the quest to provide a systematic way to deepen and extend scientific links between *UNS* (from a widening country) and leading research institutions *IIT* and *DTU* (from EU countries - Italy and Denmark), based on exploring synergies to tackle key scientific challenges in the domain of Green Electronics. This project will create a self-sustainable cooperation ecosystem between these research institutions in the area of ingestible materials, food-based electronic components/circuits and their application in biomedicine, in order to create an increased momentum in scientific excellence and international impact, and an intensified continuum in European Research Area involvement. The sustainable links between *UNS* and internationally leading counterparts at EU level

INTERDISCIPLINARITY



HARMONIZATION WITH STRATEGIC DOCUMENTS

1.3.2 Harmonization with regional Smart Specialization Strategy

The Province of Vojvodina is the only non-EU region registered in the Smart Specialization Strategy (S3) platform, i.e. registered on the map of European regions that are involved in the S3 platform. This Strategy was adopted by the Provincial Assembly in May 2016. Key sectors with potential of smart specialization include: (a) Organic agricultural production and **food industry**; (b) Renewable energy sources; (c) **Information communication technology and professional electronics**, services (e-Agriculture, **e-Medicine**, **e-Manufacturing**, e-Tourism); (d) Metal industry; (e) Tourism (**health tourism**, ethno tourism, ageing tourism); and (f) Ecology and environment protection. Professional electronics (including Green Electronics) and their application in Medicine and Food industry is one of the corner stones of the Smart specialisation strategy contributing to achieve several priorities (shown in bolded above). Additionally, this project proposal is wholly aligned with the following national strategic documents: (i) The Strategy on Scientific and Technological Development, Serbia for period 2016-2020 – Research for Innovation; (ii) Strategy for Education Development in Serbia 2020; (iii) SME Development Strategy & Action Plan 2015-2020. Moreover, this proposal is in harmonization with some of EU strategic documents/policies such as: - EU Strategy for the Danube Region; - Europe 2020: European Strategy for Smart, Sustainable, and Inclusive Growth; - SEE2020, South East Europe 2020 Strategy, etc.

DO NOT SIGNIFICANT HARM PRINCIPLE (DNSH)

EUROPEAN GREEN DEAL

IN THE EUROPEAN GREEN DEAL OBJECTIVES, THE RESEARCH AND INNOVATION ACTIVITIES SHOULD NOT MAKE A SIGNIFICANT HARM TO ANY OF THE SIX ENVIRONMENTAL OBJECTIVES (EU TAXONOMY REGULATION)

THE **DNSH PRINCIPLE** NEEDS TO BE TAKEN INTO CONSIDERATION IN THE **SCIENTIFIC METHODOLOGY** AND **IMPACT** OF THE PROJECT. HOWEVER, COMPLIANCE IS NOT MANDATORY UNLESS EXPLICITLY STATED.

THE SIX ENVIRONMENTAL OBJECTIVES TO WHICH NO SIGNIFICANT HARM SHOULD BE DONE:



CLIMATE CHANGE MITIGATION



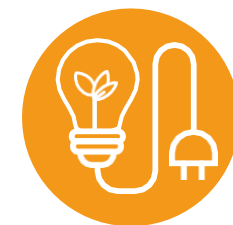
SUSTAINABLE USE & PROTECTION OF WATER
& MARINE RESOURCES



POLLUTION PREVENTION & CONTROL



CLIMATE CHANGE ADAPTION



TRANSITION TO A CIRCULAR ECONOMY



PROTECTION AND RESTORATION OF
BIODIVERSITY & ECOSYSTEMS

POLICY ISSUES - DNSH

Do not significant harm principle

- **Scope:** Compliance needs to be assessed both for activities carried out during the course of the project as well as the expected life cycle impact of the innovation at a commercialization stage (where relevant). The robustness of the compliance must be customized to the envisaged TRL of the project
 - Particular consideration of activities compliance with the DNSH principle is expected for Cluster 4, 5 and 6 due to an increase potential of negative environmental outcomes and impacts of projects.
 - **Impacts application and evaluation process:** The DNSH principle is addressed in Proposal part B: section 1 – Excellence (Methodology) and Proposal part B: section 2 – Impact (project outcomes and impacts)
- **The DNSH principle needs to be taken into consideration when accessing the methodology and impact of the project. However, compliance is not mandatory unless explicitly stated.**

GENDER EQUALITY PLAN

Gender Equality plan (applicable from 2022 onwards)

Participants that are **public bodies, research organizations or higher education institutions*** established in a Member State or Associated Country **must have a gender equality plan** in place, fulfilling **mandatory process-related requirements**

- A self-declaration will be requested at proposal stage (for all categories of participants)
- Included in the entity validation process (based on self-declaration)

*Private-for-profit entities (incl. SMEs), NGOs, CSOs, as well any type of organisations from non-associated third countries, are exempted for the criterion

» 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 [E.G. 1 PAGE]. 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, PREPRINTS, 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 UNDER 'IMPACT' SECTION.



OPEN SCIENCE

OPEN SCIENCE

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. INCLUDING ACTIVE ENGAGEMENT OF SOCIETY

MANDATORY IMMEDIATE OPEN ACCESS TO PUBLICATIONS: BENEFICIARIES MUST RETAIN SUFFICIENT IPRs TO COMPLY WITH OPEN ACCESS REQUIREMENTS;

DATA SHARING AS 'OPEN AS POSSIBLE, AS CLOSED AS NECESSARY': MANDATORY DATA MANAGEMENT PLAN FOR FAIR (FINDABLE, ACCESSIBLE, INTEROPERABLE, REUSABLE) RESEARCH DATA

- » **WORK PROGRAMMES MAY INCENTIVIZE OR OBLIGE TO ADHERE TO OPEN SCIENCE PRACTICES SUCH AS INVOLVEMENT OF CITIZENS, OR TO USE THE EUROPEAN OPEN SCIENCE CLOUD**
- » **ASSESSMENT TO OPEN SCIENCE PRACTICES THROUGH THE EXCELLENCE AWARD CRITERIA FOR PROPOSAL EVALUATION. UNDER QUALITY OF PARTICIPANTS PREVIOUS EXPERIENCE IN OPEN SCIENCE PRACTICES WILL BE EVALUATED POSITIVELY.**
- » **DEDICATED SUPPORT TO OPEN SCIENCE POLICY ACTIONS**
- » **OPEN RESEARCH EUROPE, THE OPEN ACCESS PUBLISHING PLATFORM FOR SCIENTIFIC ARTICLES THAT PRESENT THE RESULTS OF RESEARCH FUNDED BY HORIZON EUROPE ([HTTPS://OPEN-RESEARCH-EUROPE.EC.EUROPA.EU/](https://open-research-europe.ec.europa.eu/))**

OPEN SCIENCE PRACTICES

- **Early and open sharing** of research (for example through preregistration, registered reports, pre-prints, or crowd-sourcing)
- **Research and output management** including research data management
- Measures to ensure **reproducibility** of research outputs
- Providing **open access** to research outputs (e.g. publications, data, software, models, algorithms and workflows) through deposition in **trusted repositories**
- Participation in **open peer-review**
- **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)

OPEN ACCESS TO SCIENTIFIC PUBLICATIONS


Beneficiaries must ensure OA to peer-reviewed scientific publications relating to their results. In particular, **they must ensure:**


- at the latest upon publication, **deposition** of the AAM of VoR in a trusted repository + **immediate open access via the repository** under **CC BY** or equivalent (CC BY-NC/CC BY-ND are allowed for long-text formats)
- **Information** via the repository about any research output/tools/instruments needed to **validate the conclusions of the scientific publication**

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Book
- Serbian Twin Registry *Snežana Smederevac*; *Dužanka Mitrović*; *Selka Sadiković*; *Ilija Milovanović*; *Bojan Branovački*; *Bojana Dinić*; *Željka Nikolašević*; *Jasmina Kodžopeljić*; *Vojislava Bugarski Ignjatović*; *Marija Semnic*; *Tijana Vujanić-Stankov*; *Nataša Vučinić*; *Milan Oljača*; *Dejan Pajić*; *Aleksandra Stojadinović* ... 569
Article
- Influence of heavy traffic, city dwelling and socio-economic status on nasal symptoms assessed in a postal population survey *Montnémary P*; *Popovic M*; *Andersson M*; *Greiff L*; *Nyberg P*; *Löfdahl C*; *Svensson C*; *Persson C* 567
Journal/Magazine Article
- Retention data from reverse-phase high-performance thin-layer chromatography in characterization of some bis-salicylic acid derivatives *Djaković-Sekuli T*; *Periši-Janji N*; *Djurendić E* 541
Journal/Magazine Article

Most Cited

- Trends in adult body-mass index in 200 countries from 1975 to 2014: A pooled analysis of 1698 population-based measurement studies with 19.2 million participants *Di Cesare M*; *Bentham J*; *Stevens G*; *Zhou B*; *Danaei G*; *Lu Y*; *Bixby H*; *Cowan M*; *Riley L*; *Hajifathalian K*; *Fortunato L*; *Taddei C*; *Bennett J* ... 1,803
Journal/Magazine Article
- Worldwide trends in body-mass index, underweight, overweight, and obesity from 1975 to 2016: a pooled analysis of 2416 population-based measurement studies in 128.9 million children, adolescents, and adults *Bentham J*; *Di Cesare M*; *Bilano V*; *Bixby H*; *Zhou B*; *Stevens G*; *Riley L*; *Taddei C*; *Hajifathalian K*; *Lu Y*; *Savin*; *Lazar* ... 1,389
- Worldwide trends in blood pressure from 1975 to 2015: a pooled analysis of 1479 population-based measurement studies with 19.1 million participants *Zhou B*; *Bentham J*; *Di Cesare M*; *Bixby H*; *Danaei G*; *Cowan M*; *Paciorek C*; *Singh G*; *Hajifathalian K*; *Bennett J*; *Taddei C*; *Bilano V* ... 613
Journal/Magazine Article
- Polyurethane elastomers *Petrović Z*; *Ferguson J* 474
Other

OPEN SCIENCE

872370 (SALSETH) MSCA-RISE

Call: H2020-MSCA-RISE-2019
Topic: MSCA-RISE-2019

Unit: REA/A/03

Summary for publication

Deliverables Ethics, DMP, Other Reports

Milestones

Critical Risks

Publications

Disseminat...

Patents (IPR)

SME Impact

Open Data

Gender

Researchers

ABS Regulation

Publications

4	Article in Jo	Bio Micro-Nano Technologies of Antioxidants Optimised Their	Mooranian,Armin; Zamani,Nassim; M	07/01/2020	10.2147/nsa.s212323		
5	Other	Bile acid bio-nanoencapsulation improved drug targeted-deliv	Virginie Lam; John C.L. Mamo; Bozic	Scientific Reports, Vol 10, Iss 1, Pp 1-15 (2020) 09/01/2020	10.1038/s41598-019-53999-1		

Project publications (12 publications)

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Publications [Manually add publication](#)

No. ▲	Type	Title	Authors	Title of the Journal/Proc./Book	Number, date or freq. of the Journal/Proc./Book	Is Peer-reviewed?	Is Open Access?	DOI	Repository Link	Actions
4	Publication	Resistive switching and synaptic behavior in zirconium	Dajana Milicevic, Kristina Nikolic	2020 23rd International Symposium on Desi		Yes	Green	10.1109/ddecs50862.2020.90956		
5	Article in J	Comprehensive characterization of elastomeric polyhy	Goran M. Stojanović, Jasmina Ni	Materials Science and Engineering: C	115	Yes	Green	10.1016/j.msec.2020.111091		
6	Article in J	Application of Mathematical Models and Microfluidics	Nina Jelenčiaková, Bojan Petrov	BALKAN JOURNAL OF DENTAL MEDICINE	4, 2020	Yes	Green			
7	Article in J	Alginate-based drug oral targeting using bio-micro/na	Susbin Raj Wagle, Bozica Kovace	Expert Opinion on Drug Delivery		Yes	Green	10.1080/17425247.2020.1789587		
8	Article in J	Impedance Spectroscopic Analysis of the Interdigitate	Mitar Simic, Tijana Kojic, Milan F	IEEE Sensors Journal	Vol. 20, no. 21, Nov. 2020, pp. 1	Yes	Green	10.1109/jsen.2020.3002839		
9	Article in J	Pharmacological and Advanced Cell Respiration Effect	Susbin Raj Wagle, Bozica Kovace	Pharmaceutics	12/8	Yes	Gold	10.3390/pharmaceutics12080706		
10	Article in J	Optimization of hybrid microfluidic chip fabrication m	Sanja Kojić, Slobodan Birgermaj	Microfluidics and Nanofluidics	24/9	Yes	Green	10.1007/s10404-020-02372-0		
11	Article in J	Rapid detection of olive oil blends using a paper-base	Milan Radovanović, Marko Ilić, K	Food Control	124	Yes	Green	10.1016/j.foodcont.2021.107888		
12	Article in J	Microfluidic Platform for Examination of Effect of Che	Ivana Podunavac, Stevan Hinić, S	Applied Sciences	11/5	Yes	Gold	10.3390/app11052049		
13	Article in J	Microfluidic Approach for Measurements of pH, O2, an	Ivana Podunavac, Stevan Hinić, S	Sensors and Materials	33/3	Yes	Gold	10.18494/sam.2021.3219		

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/ RESEARCH OUTPUTS WILL BE MANAGED IN LINE WITH THE FAIR PRINCIPLES (FINDABLE, ACCESSIBLE, INTEROPERABLE, REUSABLE), ADDRESSING THE FOLLOWING (THE DESCRIPTION SHOULD BE SPECIFIC TO YOUR PROJECT): [1 PAGE]

TYPES OF DATA/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 COMMONS, OPEN DATA COMMONS); AVAILABILITY OF TOOLS/SOFTWARE/MODELS FOR DATA GENERATION AND VALIDATION/INTERPRETATION /RE-USE.

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/RESEARCH OUTPUTS FINDABLE, ACCESSIBLE, INTEROPERABLE AND REUSABLE (FAIR) AS A DELIVERABLE BY MONTH 6 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 IN THE ONLINE MANUAL ON THE FUNDING & TENDERS PORTAL.

RESEARCH DATA MANAGEMENT

Beneficiaries **must manage the digital research data** generated in the action responsibly, **in line with the FAIR principles** and:

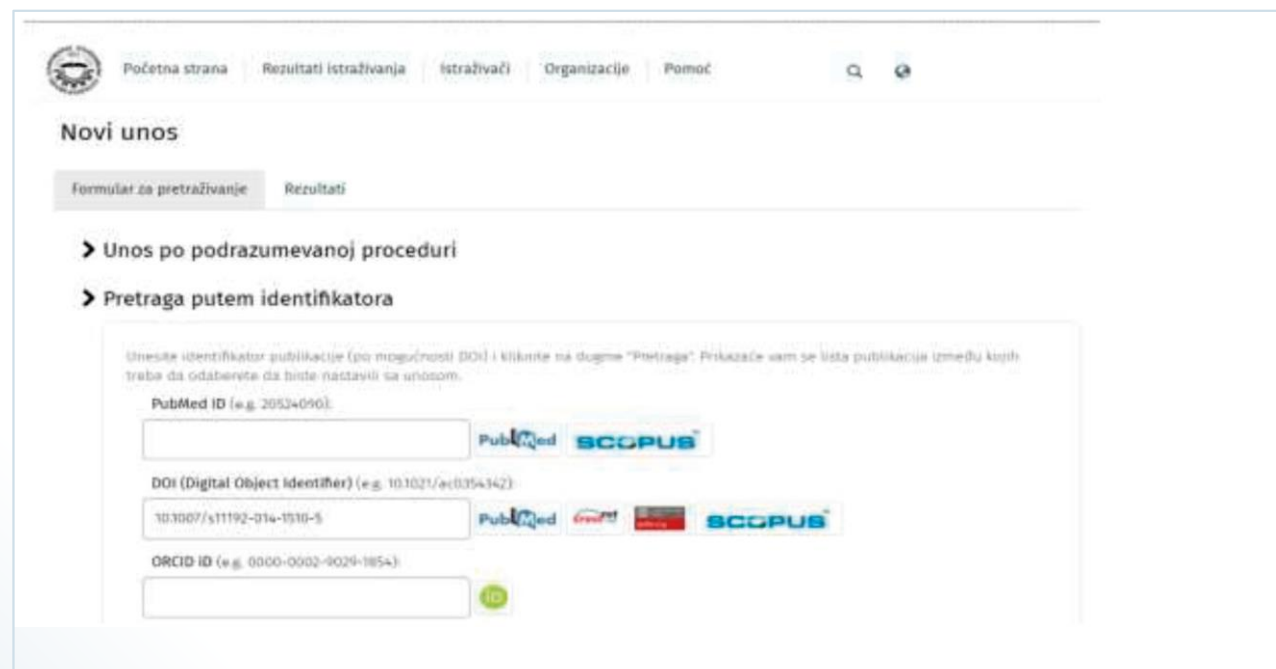
- Establish + regularly update a **data management plan** ('DMP') for generated (and/or collected) data; by month 6 of project; with submission or latest by grant agreement in cases of public emergency (e.g. COVID projects)
- As soon as possible and within the deadlines set out in the DMP, **deposit** the data in a trusted repository + **ensure OA under CC BY, CC 0 or equivalent, following the principle 'as open as possible as closed as necessary'**
- Provide information via the repository about any research output/tools/instruments needed to **re-use of validate the data**

Metadata must be open under CC 0 or equivalent (to the extent legitimate interests of constraints are safeguarded), **in line with the FAIR principles** and provide information about the licencing terms and persistent, amongst others.

DMP

DATASET X	TASK 5.1: SETTING AND UPDATING THE PROJECT WEB PORTAL AND SOCIAL MEDIA PRESENCE	PURPOSE OF THE DATA: TO COLLECT INFORMATION ABOUT NUMBER OF VISITORS OF THE PROJECT WEBSITE AND NUMBER OF FOLLOWERS/LIKES ON PROJECT SOCIAL MEDIA. FORMAT OF DATA: WEBSITE (.HTML)
DATASET Y	TASK 5.2: PROMOTION AT TECHNICAL FAIRS	PURPOSE OF THE DATA: TO COLLECT INFORMATION THE FAIRS ATTENDED AND NUMBER OF VISITORS ON THE PROJECT BOOTH. FORMAT OF DATA: AUDIOVISUAL (.JPEG,.MP4),TEXT (PDF)

EXPECTED SIZE OF THE DATA: THE SIZE OF TEXT AND IMAGE FILES WILL BE UP TO 10 MB, WHEREAS THE VIDEO FILES WILL BE UP TO 700 MB



THE DATA PROTECTION OFFICER (DPO) OF THE PROJECT WILL BE: XX

DATA WILL BE STORED AT A SPECIAL SERVER FOR THIS PURPOSE AT THE COORDINATING INSTITUTION. THIS SERVER IS LOCATED IN A PHYSICALLY SECURED ENVIRONMENT...

ADDITIONAL OPEN SCIENCE PRACTICES- PUBLIC EMERGENCY

If imposed by the call conditions in case of a public emergency, beneficiaries must (if requested by the granting authority) immediately **deposit any research output** in a repository + **provide open access to it under CCBY, CC0 or equivalent.**

As an exception, if the access would be against the beneficiaries ' legitimate interests, beneficiaries **must grant non-exclusive licenses** – under fair and reasonable conditions – **to legal entities that need the research output to address the public emergency + commit to rapidly and broadly exploit the resulting products and services at fair and reasonable conditions.**

The provision applies up to four years after the end of the action.

OPEN RESEARCH EUROPE

A high-quality reliable and efficient open access publishing venue funded research

- Launched in March 2021 for H2020 and Horizon Europe beneficiaries
- High **scientific standards** (e.g. editorial policies + guidelines), expert **Scientific Advisory Board** across all fields of science
- **Swift publication times** and **transparent** processes (e.g. open peer-review). No cost to **authors/beneficiaries** (publication fees paid by the Commission)
- **Optional: no obligations** to publish there: but if you do, you comply with Horizon Europe policy
- <https://open-research-europe.ec.europa.eu/>

TIPS FOR WRITING EXCELLENCE SECTION

- Start with the invisible section: Need Analysis, Motivation, Introduction
- Find key literature, strategic documents, patents, already funded projects in the field, devote time into serious cross-disciplinary talk
- Talk straight, cut pleasantries and pompous empty sentences
- **Invest big in the idea / everything else is important but secondary**
 - **Project idea/topic should be interesting**
 - **Emphasis innovation in every aspect**
 - **Try to be creative and different than others (competitors)**
 - **Try to be positive, no one likes a downer**

3. QUALITY AND EFFICIENCY OF THE IMPLEMENTATION

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 appropriateness of the effort assigned to work packages, and the resources overall.
- Capacity and role of each participant, and extent to which the consortium as a whole brings together the necessary expertise.

3.1 Work plan and resources [e.g. 10 pages – including tables]

Please provide the following:

- brief presentation of the overall structure of the work plan;
- timing of the different work packages and their components (Gantt chart or similar);
- graphical presentation of the components showing how they inter-relate (Pert chart or similar).
- detailed work description, i.e.:
 - a list of work packages (table 3.1a);
 - a description of each work package (table 3.1b);
 - a list of deliverables (table 3.1c);

⚠ Give full details. Base your account on the logical structure of the project and the stages in which it is to be carried out. The number of work packages should be proportionate to the scale and complexity of the project.

⚠ You should give enough detail in each work package to justify the proposed resources to be allocated and also quantified information so that progress can be monitored, including by the Commission

⚠ Resources assigned to work packages should be in line with their objectives and deliverables. You are advised to include a distinct work package on ‘project management’, and to give due visibility in the work plan to ‘data management’ ‘dissemination and exploitation’ and ‘communication activities’, either with distinct tasks or distinct work packages.

⚠ You will be required to update the ‘plan for the dissemination and exploitation of results including communication activities’, and a ‘data management plan’, (this does not apply to topics where a plan was not required.) This should include a record of activities related to dissemination and exploitation that have been undertaken and those still planned.

⚠ Please make sure the information in this section matches the costs as stated in the budget table in section 3 of the application forms, and the number of person months, shown in the detailed work package descriptions.

- a list of milestones (table 3.1d);
- a list of critical risks, relating to project implementation, that the stated project's objectives may not be achieved. Detail any risk mitigation measures. You will be able to update the list of critical risks and mitigation measures as the project progresses (table 3.1e);
- a table showing number of person months required (table 3.1f);
- a table showing description and justification of subcontracting costs for each participant (table 3.1g)
- a table showing justifications for ‘purchase costs’ (table 3.1h) for participants where those costs exceed 15% of the personnel costs (according to the budget table in proposal part A);
- if applicable, a table showing justifications for ‘other costs categories’ (table 3.1i).
- if applicable, a table showing in-kind contributions from third parties (table 3.1j)

LIST OF WORK PACKAGES

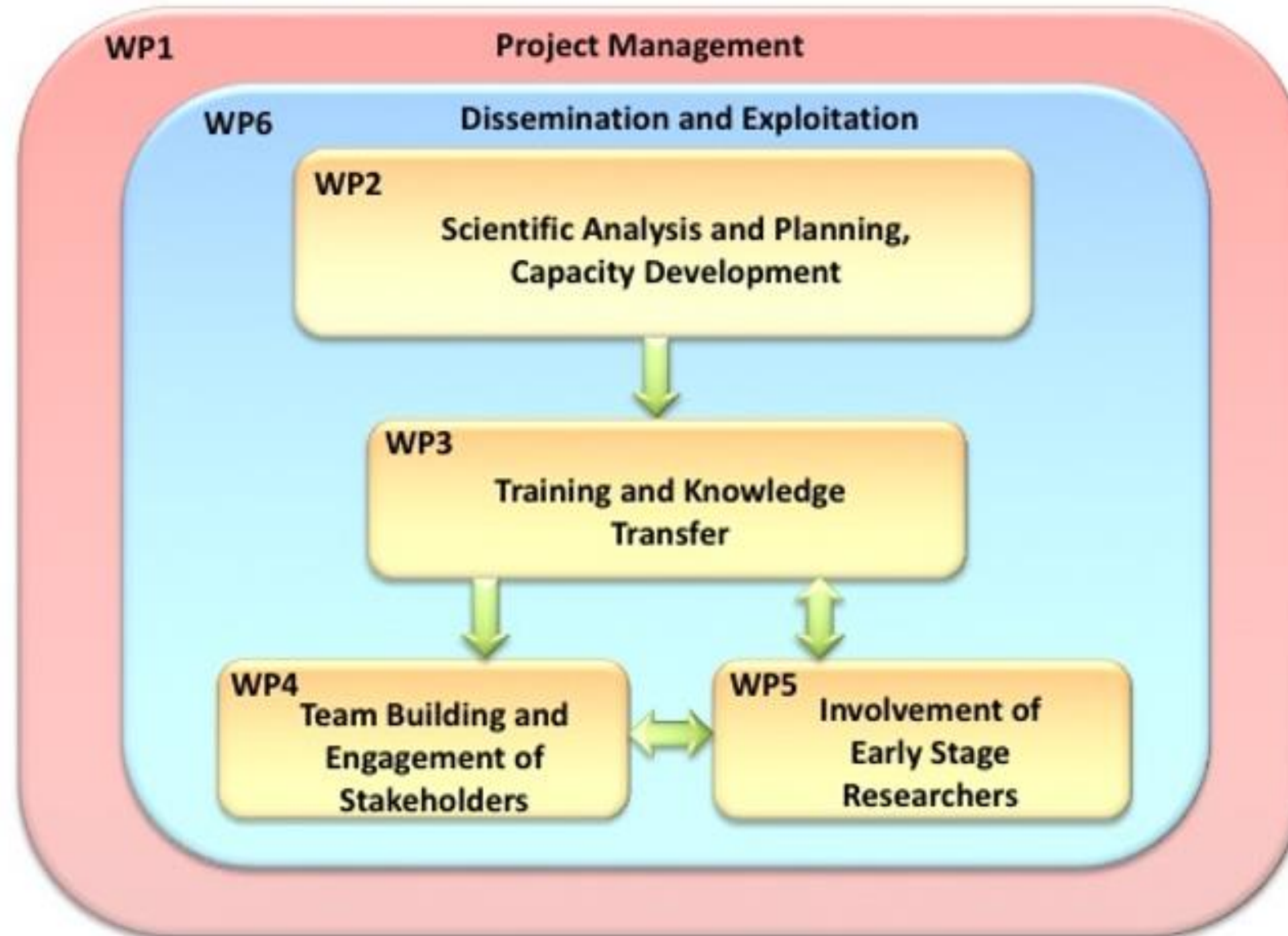


TABLE 3.1B: WORK PACKAGE DESCRIPTION

FOR EACH WORK PACKAGE:

WORK PACKAGE NUMBER		LEAD BENEFICIARY					
WORK PACKAGE TITLE							
PARTICIPANT NUMBER							
SHORT NAME OF PARTICIPANT							
PERSON MONTHS PER PARTICIPANT:							
START MONTH				END MONTH			

OBJECTIVES The purpose of the work carried out under this work package. Which results will be achieved by the end of the work package? Provide enough details to justify the allocated resources.

DESCRIPTION OF WORK (WHERE APPROPRIATE, BROKEN DOWN INTO TASKS), LEAD PARTNER AND ROLE OF PARTICIPANTS

How to carry out the work. Which activities (action tasks) will be done? And in which order?
 Task 2.1 ..., Task 2.2 ..., Task 2.3 ...

DELIVERABLES (BRIEF DESCRIPTION AND MONTH OF DELIVERY)

D 2.1 Technical diagram
 D 2.2 Beta version of software

TABLE 3.1C: LIST OF DELIVERABLES

ONLY INCLUDE DELIVERABLES THAT YOU CONSIDER ESSENTIAL FOR EFFECTIVE PROJECT MONITORING.

DELIVERABLE (NUMBER)	DELIVERABLE NAME	WORK PACKAGE NUMBER	SHORT NAME OF LEAD PARTICIPANT	TYPE	DISSEMINATION LEVEL	DELIVERY DATE (IN MONTHS)

KEY:

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.

TYPE:

USE ONE OF THE FOLLOWING CODES:

- R: DOCUMENT, REPORT (EXCLUDING THE PERIODIC AND FINAL REPORTS)
- DEM: DEMONSTRATOR, PILOT, PROTOTYPE, PLAN DESIGNS
- DEC: WEBSITES, PATENTS FILING, PRESS & MEDIA ACTIONS, VIDEOS,
- DATA: DATA SETS, MICRODATA, ETC.
- DMP: DATA MANAGEMENT PLAN
- ETHICS: DELIVERABLES RELATED TO ETHICS ISSUES.
- SECURITY: DELIVERABLES RELATED TO SECURITY ISSUES
- OTHER: SOFTWARE, TECHNICAL DIAGRAM, ALGORITHMS, MODELS, ETC

DISSEMINATION LEVEL:

USE ONE OF THE FOLLOWING CODES:

- PU – PUBLIC, FULLY OPEN, E.G. WEB (DELIVERABLES FLAGGED AS PUBLIC WILL BE AUTOMATICALLY PUBLISHED IN CORDIS PROJECT’S PAGE)
- SEN – SENSITIVE, LIMITED UNDER THE CONDITIONS OF THE GRANT AGREEMENT.
- CLASSIFIED R-UE/EU-R – EU RESTRICTED UNDER THE COMMISSION DECISION No2015/444
- CLASSIFIED C-UE/EU-C – EU CONFIDENTIAL UNDER THE COMMISSION DECISION No2015/444
- CLASSIFIED S-UE/EU-S – EU SECRET UNDER THE COMMISSION DECISION No2015/444

DELIVERY DATE

MEASURED IN MONTHS FROM THE PROJECT START DATE (MONTH 1)

INSTRUCTIONS - DELIVERABLES

A DELIVERABLE IS A DISTINCT OUTPUT OF THE PROJECT, MEANINGFUL IN TERMS OF THE PROJECT'S OVERALL OBJECTIVES AND CONSTITUTED BY A JOURNAL PUBLICATION, A REPORT, A DOCUMENT, A TECHNICAL DIAGRAM, A SOFTWARE, TRAINING CONTENT, CONFERENCE PROCEEDINGS, ETC.

REMEMBER YOU WILL HAVE TO ACTUALLY DELIVER EACH DELIVERABLE IF THE PROJECT IS FUNDED AND IMPLEMENTED, AND TOO MANY DELIVERABLES WILL MAKE THE ADMINISTRATIVE WORKLOAD VERY HIGH. DELIVERABLES WOULD BE SUBMITTED IN PDF FORMAT, SO ENSURE THAT IT WOULD BE FEASIBLE TO PACKAGE YOUR DELIVERABLES IN THIS WAY.

A POOR-QUALITY DELIVERABLE WOULD BE: DX.X DISSEMINATION AND COMMUNICATION ACTIVITIES (MONTH 8-MONTH 44). THIS DELIVERABLE IS POOR BECAUSE A) IT IS NOT CLEAR THAT THIS COULD BE FEASIBLY PACKAGED IN PDF FORMAT FOR SUBMISSION TO THE PROJECT OFFICER AND B) IT HAS A BROAD RANGE OF DELIVERY DATES, MAKING IT IMPOSSIBLE TO DISCERN WHEN IT WILL ACTUALLY BE DELIVERED – AT M8 OR M44 OR MONTHLY BETWEEN M8 AND M44?

A HIGH-QUALITY DELIVERABLE WOULD BE: DX.X REPORT ON DISSEMINATION AND COMMUNICATION ACTIVITIES (MONTH 20, MONTH 46). THIS IS CLEARLY FEASIBLE TO SEND IN PDF FORMAT AND HAS TWO FIXED DELIVERY DATES AT REGULAR INTERVALS DURING THE PROJECT LIFETIME.

LIST OF DELIVERABLES

DEL. No	DELIVERABLE NAME	WORK PACKAGE No	LEAD PARTICIPANT SHORT NAME	NATURE	DESSIMINATION LEVEL	DELIVERY MONTH
D1.1	ANNUAL REPORT ON KNOWLEDGE SHARING	WP1	XXX	R	PU	12
...						
D2.1	ANNUAL REPORT ON PERFORMED RESEARCH PART OF THE PROPOSAL	WP 2	UNS	R	SEN	12
D3.1	REPORTS ON ORGANIZED WORKSHOPS	WP 3	YYY	R	PU	15
D3.2	REPORTS ON ORGANIZED SUMMER SCHOOLS	WP 3	UNS	R	PU	22
D3.3	REPORTS ON ORGANIZED FINAL PROJECT CONFERENCE	WP 3	UNS	R	PU	34
D4.1	REPORT ON SETTING WEBSITE	WP 4	XXX	R	PU	2
...						

TABLE 3.1D: LIST OF MILESTONES

MILESTONE NUMBER	MILESTONE NAME	RELATED WORK PACKAGE(S)	DUE DATE (IN MONTH)	MEANS OF VERIFICATION

KEY:

DUE DATE

MEASURED IN MONTHS FROM THE PROJECT START DATE (MONTH 1)

MEANS OF VERIFICATION

SHOW HOW YOU WILL CONFIRM THAT THE MILESTONE HAS BEEN ATTAINED. REFER TO INDICATORS IF APPROPRIATE. FOR EXAMPLE: A LABORATORY PROTOTYPE THAT IS 'UP AND RUNNING'; SOFTWARE RELEASED AND VALIDATED BY A USER GROUP; FIELD SURVEY COMPLETE AND DATA QUALITY VALIDATED

INSTRUCTIONS - MILESTONES

MILESTONES ARE CONTROL POINTS IN THE PROJECT THAT HELP TO CHART PROGRESS. MILESTONES MAY CORRESPOND TO THE COMPLETION OF A KEY DELIVERABLE, ALLOWING THE NEXT PHASE OF THE WORK TO BEGIN.

MILESTONES ARE MAJOR CHECKPOINTS FOR MEASURING PROGRESS E.G. ALL ESRs RECRUITED, COMPLETION OF TRAINING PROGRAMME, DELIVERY OF DOCTORAL DEGREES, ORGANIZATION OF CONFERENCE. ALSO THERE MUST BE SOME RESEARCH MILESTONES - MAJOR POINTS IN THE WORK WHICH NEED TO BE REACHED BEFORE FURTHER PROGRESS CAN BE MADE.

TIP: YOU SHOULD HAVE MORE DELIVERABLES THAN MILESTONES. 8 OR 12 MILESTONES COVERING MAJOR ACHIEVEMENTS IN THE LIFETIME OF THE PROJECT IS SUFFICIENT. THE PROPOSAL SHOULD BE CHECKED FOR CONSISTENCY THROUGHOUT.

NUMBER	TITLE	RELATED WORK PACKAGE(S)	LEAD BENEFICIARY	DUE DATE	MEANS OF VERIFICATION
<p>USE THE CONVENTION Mx.Y WHERE X IS THE WORK PACKAGE NUMBER AND Y IS THE MILESTONE NUMBER, E.G. M1.2</p>				<p>MEASURED IN MONTHS FROM THE ACTION START DATE (MONTH 1)</p>	<p>SHOW HOW THE CONSORTIUM WILL CONFIRM THAT THE MILESTONE HAS BEEN ATTAINED. REFER TO INDICATORS IF APPROPRIATE</p>

LIST OF MILESTONES

MILESTONE NUMBER	MILESTONE TITLE	WP NUMBER	LEAD BENEFICIARY	DUE DATE (IN MONTHS)	MEANS OF VERIFICATION
M1.1	STAFF EXCHANGE PERFORMED	WP1	1-UNS	32	LAB BOOKS, PHOTOS, TICKETS, ACCOMMODATION INVOICES
M2.1	MICROFLUIDIC DEVICES MANUFACTURED	WP2	1 - UNS	12	DELIVERABLE 2.1
M3.1	TRAINING EVENTS ORGANIZED	WP3	2 - XXX	34	PROCEEDINGS. LIST OF ATTENDEES
M4.1	LIST OF PUBLICATIONS IN JOURNALS AND CONFERENCES	WP4	3 - YYY	36	ABSTRACTS. DOI. OPEN REPOSITORIES

TABLE 3.1E: CRITICAL RISKS FOR IMPLEMENTATION

DESCRIPTION OF RISK (INDICATE LEVEL OF (I) LIKELIHOOD, AND (II) SEVERITY: LOW/MEDIUM/HIGH)	WORK PACKAGE(S) INVOLVED	PROPOSED RISK-MITIGATION MEASURES

DEFINITION CRITICAL RISK:

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.

CRITICAL RISKS FOR IMPLEMENTATION

RISK NO.	DESCRIPTION OF RISK (LEVEL OF LIKELIHOOD: LOW/MEDIUM/HIGH)	WP NUMBER	PROPOSED MITIGATION MEASURES
R1	PROBLEMS IN THE COMPUTATIONAL RESULTS VALIDATION (Low)	WP2	PROVIDING A MOCK UP EXPERIMENT FOR VALIDATION
R2	DEVELOPED SENSORS HAVE NO ADEQUATE RESPONSE FOR FURTHER SIGNAL PROCESSING (MEDIUM)	WP2	APPLYING DIFFERENT OPERATIONAL PRINCIPLES. INCLUDING BETTER AMPLIFIER.
R3	PROBLEMS IN SUBJECTS RECRUITMENT FOR PRE-CLINICAL TEST (Low)	WP2	ASKING AND INVOLVEMENT OF THE SUBJECTS WITH STROKE PROBLEMS FROM UNIVERSITY HOSPITALS OF UNS AND PSU. ENGAGEMENT OF SUBJECTS - CUSTOMERS OF COR COMPANY.
R4	DELAY IN PLANNED STAFF EXCHANGES (MEDIUM)	WP1 - WP4	THAT VISITS WILL BE POSTPONED FOR A SHORT PERIOD OR ADEQUATE REPLACEMENT WILL BE FOUND, AFTER PMT APPROVAL
R5	NEW WAVE OF COVID PANDEMIC (MEDIUM)	WP1 – WP5	TRANSFERRING SOME EVENTS ONLINE, POSTPONING DATES FOR SOME EVENTS

TABLE 3.1F: SUMMARY OF STAFF EFFORT

PLEASE INDICATE THE NUMBER OF PERSON-MONTHS OVER THE WHOLE DURATION OF THE PLANNED WORK, FOR EACH WORK PACKAGE, FOR EACH PARTICIPANT. IDENTIFY THE WORK-PACKAGE LEADER FOR EACH WP BY SHOWING THE RELEVANT PERSON-MONTH FIGURE IN BOLD.

	WPN	WPN+1	WPN+2	TOTAL PERSON-MONTHS PER PARTICIPANT
PARTICIPANT NUMBER/SHORT NAME				
PARTICIPANT NUMBER/SHORT NAME				
PARTICIPANT NUMBER/SHORT NAME				
TOTAL PERSON MONTHS				

SUMMARY STAFF EFFORTS

	WP1	WP2	WP3	WP4	WP5	WP6	TOTAL PM PER PARTICIPANT
1 / UNS	16	13	6	8	8	9	60
2 / IIT	6	8	7	7	5	6	39
3 / DTU	7	7	8	6	5	5	38
TOTAL PERSON MONTHS	29	28	21	21	18	20	137

TABLE 3.1G: 'SUBCONTRACTING COSTS' ITEMS

FOR EACH PARTICIPANT DESCRIBE AND JUSTIFY THE TASKS TO BE SUBCONTRACTED (PLEASE NOTE THAT CORE TASKS OF THE PROJECT SHOULD NOT BE SUB-CONTRACTED).

PARTICIPANT NUMBER/SHORT NAME		
	COST (€)	DESCRIPTION OF TASKS AND JUSTIFICATION
SUBCONTRACTING		

TABLE 3.1H: 'PURCHASE COSTS' ITEMS (TRAVEL AND SUBSISTENCE, EQUIPMENT AND OTHER GOODS, WORKS AND SERVICES)

PLEASE COMPLETE THE TABLE BELOW FOR EACH PARTICIPANT IF THE SUM OF THE COSTS FOR 'TRAVEL AND SUBSISTENCE', 'EQUIPMENT', AND 'OTHER GOODS, WORKS AND SERVICES' EXCEEDS 15% OF THE PERSONNEL COSTS FOR THAT PARTICIPANT (ACCORDING TO THE BUDGET TABLE IN PROPOSAL PART A). THE RECORD MUST LIST THE LARGEST COST ITEMS DOWN TO THE LEVEL THAT THE REMAINING COSTS ARE BELOW 15% OF PERSONNEL COSTS.

PARTICIPANT NUMBER/SHORT NAME		
	COST (€)	JUSTIFICATION
TRAVEL AND SUBSISTENCE		
EQUIPMENT		
OTHER GOODS, WORKS AND SERVICES		
REMAINING PURCHASE COSTS (<15% OF PERSONNEL COSTS)		
TOTAL		

TABLE 3.1I: 'OTHER COSTS CATEGORIES' ITEMS (E.G. INTERNALLY INVOICED GOODS AND SERVICES)

PLEASE COMPLETE THE TABLE BELOW FOR EACH PARTICIPANTS THAT WOULD LIKE TO DECLARE COSTS UNDER OTHER COSTS CATEGORIES (I.E. INTERNALLY INVOICED GOODS AND SERVICES), IRRESPECTIVE OF THE PERCENTAGE OF PERSONNEL COSTS.

PARTICIPANT NUMBER/SHORT NAME		
	COST (€)	JUSTIFICATION
INTERNALLY INVOICED GOODS AND SERVICES		

'PURCHASE COSTS' ITEMS


(TRAVEL AND SUBSISTENCE, EQUIPMENT AND OTHER GOODS, WORKS AND SERVICES)

1 / UNS	COST (€)	JUSTIFICATION
TRAVEL	97790	WP1 – IN TOTAL 12 VISITS LASTING IN TOTAL 12 MONTHS ARE PLANNED FOR UNS STAFF TO TRAVEL TO THE EU PARTNERS (IIT AND DTU) AS SECONDMENTS (STAFF EXCHANGES). WP2 – IN TOTAL 6 VISITS LASTING IN TOTAL 42 DAYS ARE PLANNED FOR THE UNS STAFF TO TRAVEL TO THE EU PARTNERS AS SHORTTERM ON-SITE TRAINING VISITS. IT IS PLANNED THAT UNS REPRESENTATIVES TRAVEL ON SEMINAR. STAFF FROM PROJECT MANAGEMENT AND ADMINISTRATION UNIT WILL TRAVEL IN BRUSSELS ON B2B MEETINGS. WP4 – IT IS PLANNED THAT UNS STAFF ATTEND 8 CONFERENCES/SYMPOSIA FROM THE PROJECT FIELD FOR THE WHOLE PROJECT DURATION. WP5 – ATTENDANCE OF 2 TECHNICAL FAIRS IS FORESEEN FOR THE UNS STAFF.
OTHER GOODS AND SERVICES	87120	ORGANIZATION OF 1 WORKSHOP, 1 SUMMER SCHOOL AND 1 CONFERENCE IS PLANNED, WHICH WILL MAKE A GREAT OPPORTUNITY FOR UNS STAFF TO INCREASE THE ORGANIZATIONAL SKILLS. COSTS FOR AUDITING SERVICE IS ALSO PLANNED.
TOTAL	184910	

Participant number/short name		
	Cost €	Description of tasks and justification
Internally invoiced goods and services	10,000	Use of clean room will be necessary to obtain valid test results. We will use the clean room of the Clean Institute, which is part of our organisation. Invoicing according to usual accounting practice and actual costs.
.....		

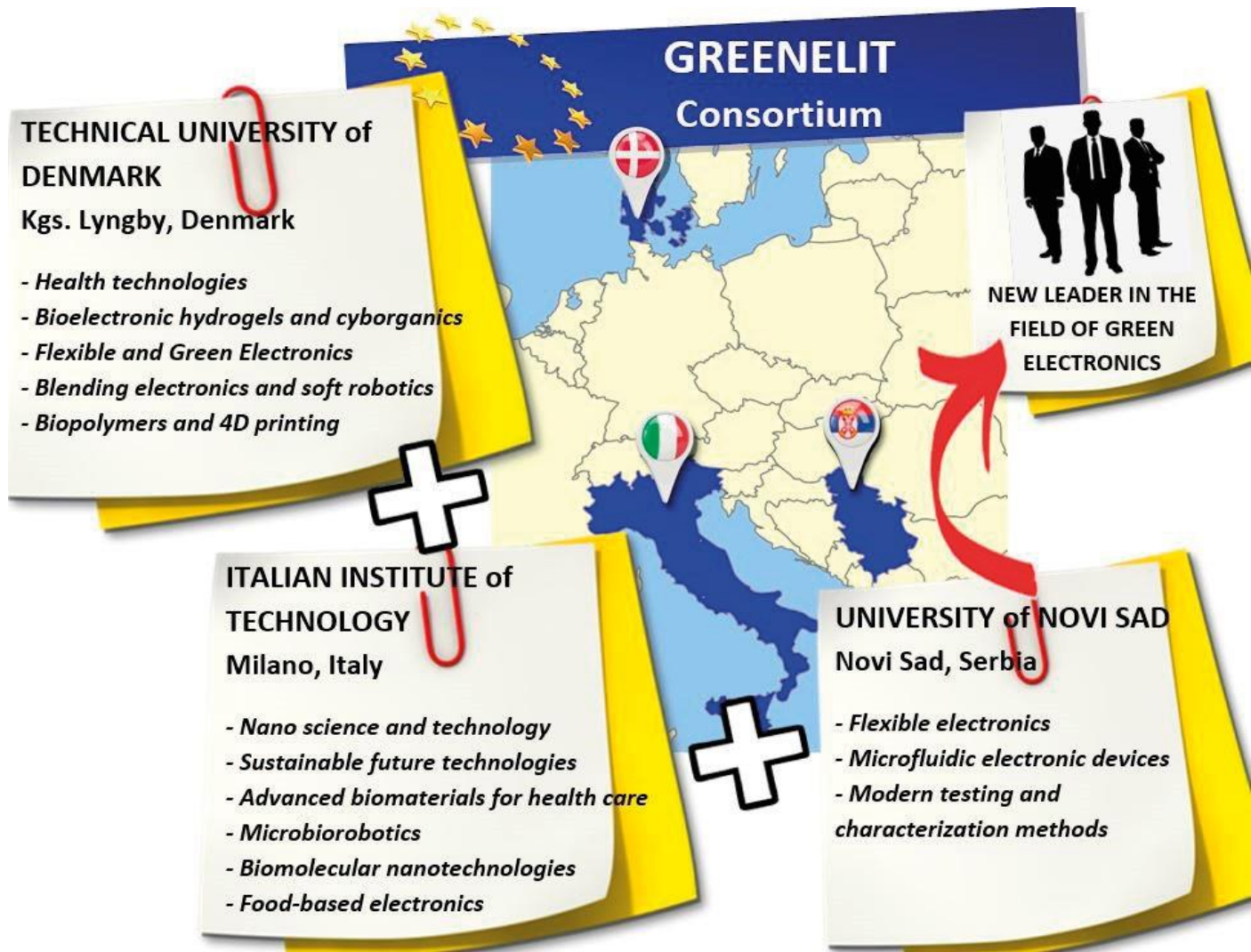
CONSORTIUM AS A WHOLE

3.2 Capacity of participants and consortium as a whole [e.g. 3 pages]

 *The individual members of the consortium are described in a separate section under Part A. There is no need to repeat that information here.*

- Describe the consortium. How does it match the project's objectives, and bring together the necessary disciplinary and inter-disciplinary knowledge. Show how this includes expertise in social sciences and humanities, open science practices, and gender aspects of R&I, as appropriate. Include in the description affiliated entities and associated partners, if any.
- Show how the partners will have access to critical infrastructure needed to carry out the project activities.
- Describe how the members complement one another (and cover the value chain, where appropriate)
- In what way does each of them contribute to the project? Show that each has a valid role, and adequate resources in the project to fulfil that role.
- If applicable, describe the industrial/commercial involvement in the project to ensure exploitation of the results and explain why this is consistent with and will help to achieve the specific measures which are proposed for exploitation of the results of the project (see section 2.2).
- **Other countries and international organisations:** If one or more of the participants requesting EU funding is based in a country or is an international organisation that is not automatically eligible for such funding (entities from Member States of the EU, from Associated Countries and from one of the countries in the exhaustive list included in the Work Programme [General Annexes B](#) are automatically eligible for EU funding), explain why the participation of the entity in question is essential to successfully carry out the project

CONSORTIUM AS A WHOLE



INST.	INFRASTRUCTURE / EQUIPMENT	ILLUSTRATION	IMPORTANCE FOR THE PROJECT
<p>UNS</p>	<p>CLEAN ROOM, IP OFFICE, MEDIA CENTER, SCIENCE AND TECHNOLOGY PARK, BUSINESS INCUBATOR, LIBRARY, IDEA LAB, CREATIVITY CENTER / MICRO/ NANO ELECTRONIC LAB, DMP-3000 INK-JET PRINTER, WAFER PROBE STATION WITH VECTOR NETWORK ANALYZER, IMPEDANCE ANALYZER, NANOINDENTER, PROFILER, PVC CUTTER, 3D PRINTERS</p>		<ul style="list-style-type: none"> - MANUFACTURING FORCE/PRESSURE SENSORS; - STRUCTURAL, MECHANICAL AND ELECTRICAL CHARACTERIZATION AND TESTING OF THE SENSORS; - DESIGN OF COMPLEX MICROPROCESSOR ELECTRONIC SYSTEMS, EMBEDDED SYSTEMS; - (PRE) CLINICAL STUDIES; CREATING VIDEOS.

THANK YOU FOR YOUR ATTENTION!

ACKNOWLEDGMENT TO EC AND PUBLICATION OFFICE OF THE EUROPEAN UNION

