

## **Widening Participation and Spreading Excellence**

**Βασιλική Καλοδήμου  
Δίκτυο ΠΡΑΞΗ, ΕΑΔΠΠΑ**

**ΔΙΑΔΙΚΤΥΑΚΟ ΣΕΜΙΝΑΡΙΟ  
Εθνικό και Καποδιστριακό Πανεπιστήμιο Αθηνών  
Δευτέρα, 31 Μαΐου 2021**



## Περιεχόμενα

### **Εισαγωγή**

- › Εισαγωγή στο Widening Participation and Spreading Excellence
- › Διαφορά με άλλες θεματικές των προγραμμάτων πλαίσιο
- › Στατιστικά Ελλάδας - ΕΚΠΑ

### **Destinations**

#### **Επισκόπηση προκηρύξεων Destination 1**

- › Teaming for Excellence
- › Twinning & Twinning Western Balkans Special
- › Excellence Hubs
- › European Excellence Initiative
- › Hop-On

#### **Επισκόπηση προκηρύξεων Destination 2**

- › ERA Chairs
- › ERA Talents



# Horizon Europe Structure: Widening Participation (2.96bn euro)



\* The European Institute of Innovation & Technology (EIT) is not part of the Specific Programme



## Τι είναι το Widening Participation & Spreading Excellence;

- › Οριζόντια δέσμη μέτρων απευθυνόμενη σε άριστα πανεπιστημιακά και ερευνητικά ιδρύματα από χώρες με χαμηλή επίδοση στην έρευνα και την καινοτομία (R&I) – «**widening countries**»
- › Συντονιστής = οργανισμός χώρας widening
- › Οι δράσεις βασίζονται στη μακρόπνοη σύνδεση μεταξύ οργανισμών χωρών **widening** και αντίστοιχων οργανισμών **άριστων επιδόσεων (leading university, research organisation/advanced partners)** με στόχο τη μεταφορά τεχνογνωσίας και την εμπέδωση καλών πρακτικών
- › Δράσεις συντονισμού και υποστήριξης με μικρό κομμάτι έρευνας
- › Έχουν bottom – up αντικείμενο



## Διαφορά από άλλες θεματικές και τύπους δράσεων των προγραμμάτων πλαίσιο

- Μικρά - στοχευμένα δίκτυα
- Πόροι προοριζόμενοι αποκλειστικά για **capacity building οργανισμών**, υπό την **καθοδήγηση** των **advanced partners**, μέσω:
  - ενίσχυσης της επιστημονικής τους βάσης
  - ενίσχυσης της ικανότητάς τους να καινοτομούν
  - σύνδεσής τους με το οικοσύστημα, ιδιαίτερα με τη βιομηχανία και τις ΜμΕ
  - ενίσχυσης συγγραφής προτάσεων
  - ερευνητικής συνεργασίας με τους advanced partners
  - κοινές δημοσιεύσεις με τους advanced partners
- Υλοποίηση της **στρατηγικής ατζέντας οργανισμών** με την επιλογή της κατάλληλης δράσης



## Geographical eligibility criteria – Widening Countries



### Member states

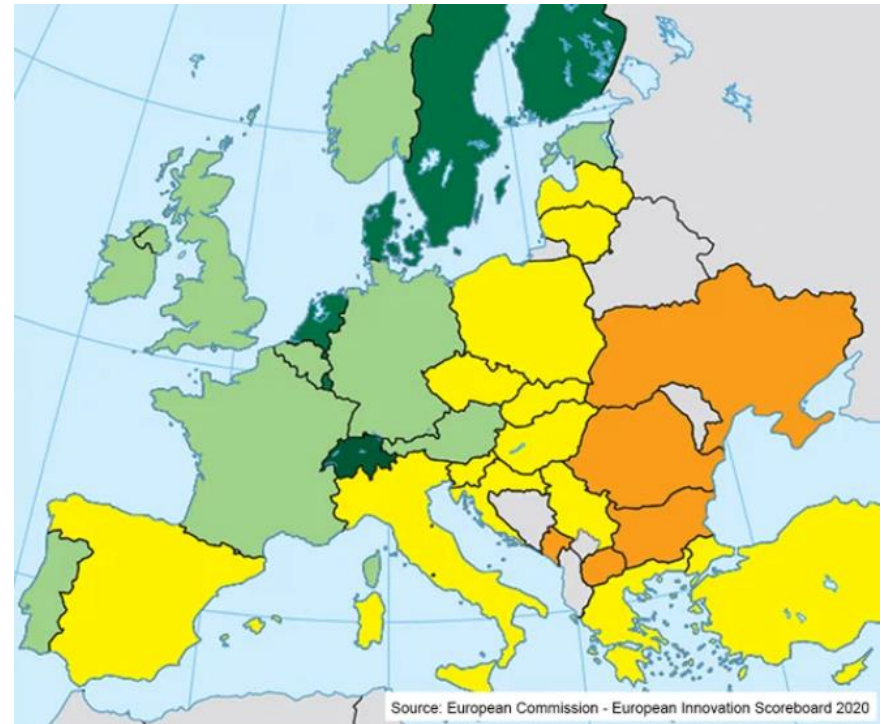
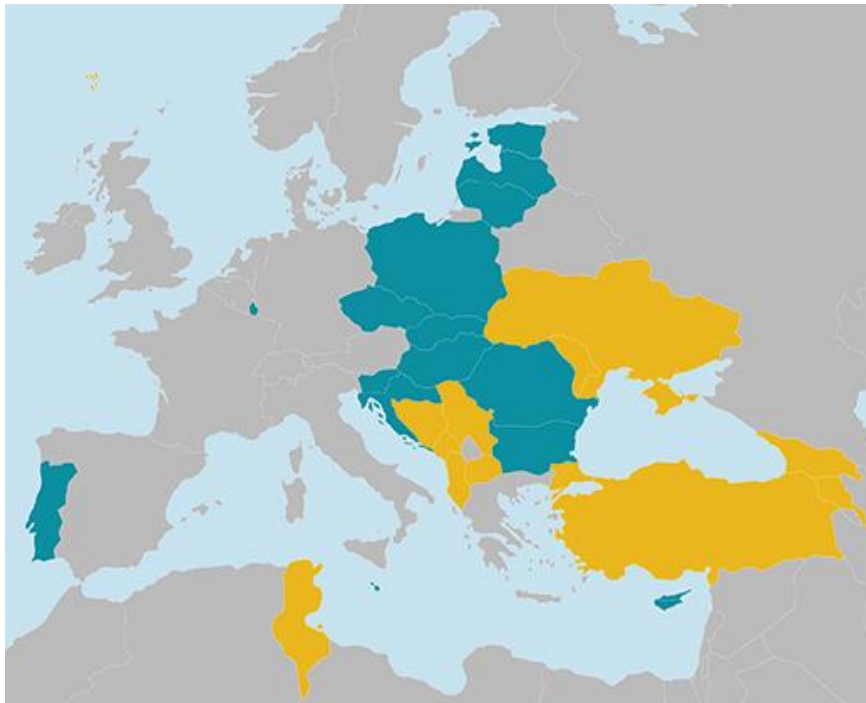
➤ Greece, Bulgaria, Croatia, Cyprus, Czech Republic, Estonia, Hungary, Latvia, Lithuania, Malta, Poland, Portugal, Romania, Slovakia, Slovenia

### Associated countries

➤ Albania, Armenia, Bosnia Herzegovina, Faroe Islands, Northern Macedonia, Serbia, Georgia, Moldova, Tunisia, Turkey, Outermost Regions



## Widening χώρες & Innovation Scoreboard 2020

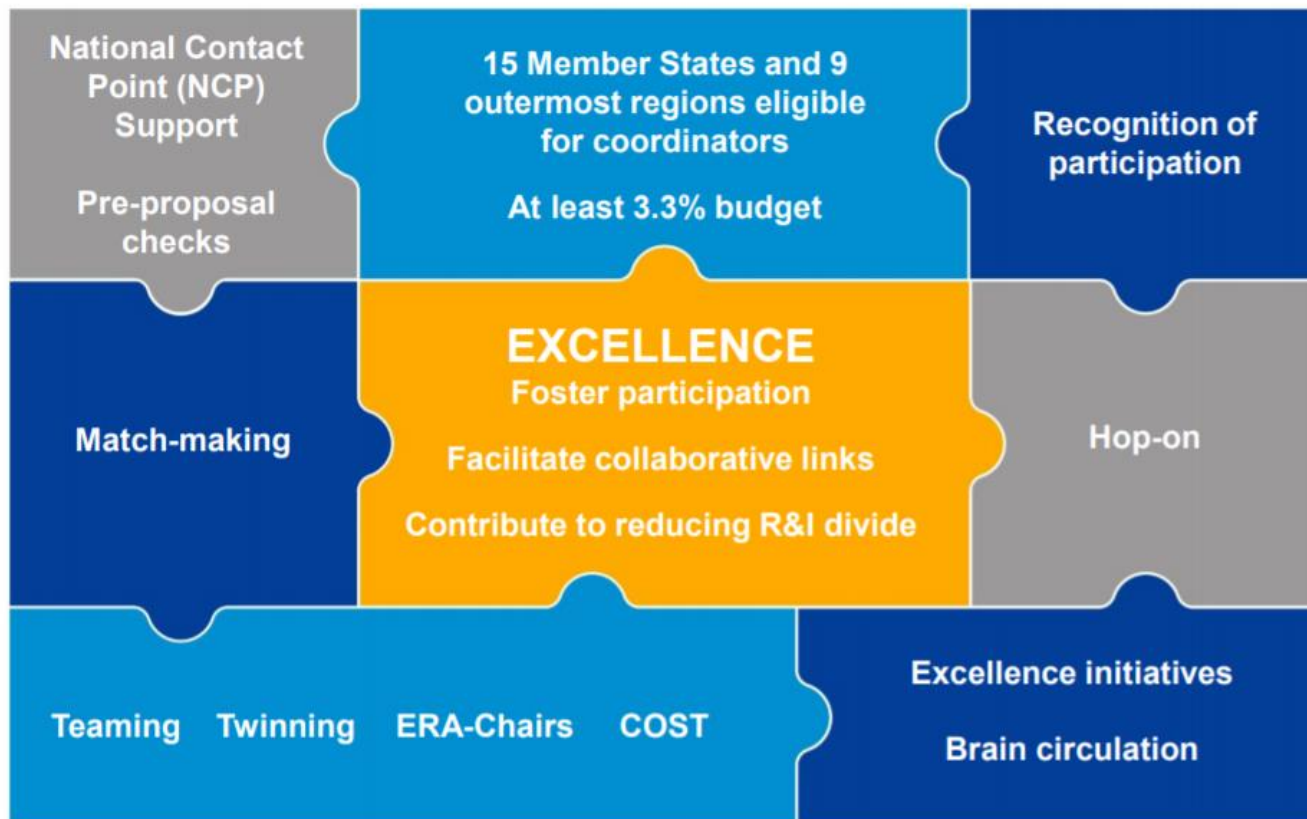


- Innovation Leader
- Strong Innovator
- Moderate Innovator
- Modest Innovator

# >>> The Widening Package



## Widening participation/spreading excellence







## Ελληνική επίδοση στο Spreading Excellence & Widening Participation στο Horizon 2020

Top Participants				
Legal Name	Country	City	H2020 Participations	H2020 Net EU Contribution
<b>Totals</b>			<b>20</b>	<b>€ 5.487.025</b>
ETHNIKO ASTEROSKOPEIO ATHINON	EL - Greece	ATHINA	3	€ 2.780.375
IDRYMA TECHNOLOGIAS KAI EREVNAS	EL - Greece	IRAKLEIO	4	€ 460.775
ARISTOTELIO PANEPISTIMIO THESSALONIKIS	EL - Greece	THESSALONIKI	2	€ 371.088
PANEPISTIMIO THESSALIAS	EL - Greece	VOLOS	1	€ 356.775
PANEPISTIMIO PATRON	EL - Greece	RIO PATRAS	2	€ 320.000
ETHNIKO KENTRO EREVNAS KAI TECHNOLOGIKIS ANAPTYXIS	EL - Greece	THERMI THESSALONIKI	2	€ 308.450
PANEPISTIMIO IOANNINON	EL - Greece	IOANNINA	1	€ 191.000
PANEPISTIMIO AIGAIΟΥ	EL - Greece	MYTILINI	1	€ 159.181
Elliniko Idryma Evropaikis kai Exoterikis Politikis (HELLENIC FOUNDATION FOR EUROPEAN	EL - Greece	ATHENS	1	€ 153.585
KENTRO EREVNON NOTIOANATOLIKIS EVROPIS ASTIKI MI KERDOSKOPIKI	EL - Greece	THESSALONIKI	1	€ 141.313
GEOPONIKO PANEPISTIMION ATHINON	EL - Greece	ATHINA	1	€ 124.484
ETHNIKO KAI KAPODISTRIAKO PANEPISTIMIO ATHINON	EL - Greece	ATHINA	1	€ 120.000



## 'Εργο ΕΚΠΑ - Twinning

HORIZON  
2020

Fact Sheet

Results

### Strategies to strengthen scientific excellence and innoVation capacity for early diagnoSis of gastrOintestinal caNcers

#### Project description

DE

EN

ES

FR

IT

PL

#### Slovakia is on a mission to stop some pervasive cancers in their tracks

Cancer is the second leading cause of death globally and cancers of the digestive system are particularly common. Slovakia ranks third for incidence of colorectal cancer and is sixth highest in incidence of pancreatic cancer. Early detection is key to enhanced patient outcome and quality of life. Biomedical research into early cancer detection and treatment addresses a critical public health challenge in Slovakia. The EU-funded VISION project is devoted to increasing the likelihood of early detection for Slovakia's citizens. Strategic partnerships with European experts to enhance training of students and new researchers as well as to implement the latest technologies and expertise will solidify home-grown gastrointestinal cancer research and treatment.

Show the project objective

#### Fields of science

natural sciences  
 medical and health sciences > clinical medicine > cancer > **pancreatic cancer**

#### Programme(s)

H2020-EU.4.b. - Twinning of research institutions

#### Topic(s)

WIDESPREAD-03-2018 - Twinning

#### Project Information

**VISION**  
 Grant agreement ID: 857381

Start date  
 1 October 2019

End date  
 30 September 2022

Funded under  
 H2020-EU.4.b.

Overall budget  
 € 787 465

**EU contribution**  
 € 787 465

Coordinated by  
 BIOMEDICINSKE CENTRUM SLOVENSKEJ  
 AKADEMIE VIED  
 Slovakia

Cancel



## 'Εργο ΕΚΠΑ - Twinning

Leaflet | Map data © OpenStreetMap contributors, Credit: EC-GISCO, © EuroGeographics for the administrative boundaries

### Coordinator

**BIOMEDICINSKE CENTRUM SLOVENSKEJ AKADEMIE VIED**

Address  
Dubravská Cesta 9  
845 05 Bratislava  
Slovakia

Activity type  
Research Organisations

EU contribution  
€ 270 000

[Contact the organisation](#)

### Participants (4)

Sort alphabetically ▾      Sort by EU Contribution ▾      [Expand all](#)

<p><b>FRAUNHOFER GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V.</b></p> <p>Germany</p>	<p>EU contribution</p> <p>€ 132 500</p>	▾
<p><b>SERVICIO MADRILENO DE SALUD</b></p> <p>Spain</p>	<p>EU contribution</p> <p>€ 132 500</p>	▾
<p><b>ETHNIKO KAI KAPODISTRIAKO PANEPISTIMIO ATHINON</b></p> <p>Greece</p>	<p>EU contribution</p> <p>€ 120 000</p>	▾
<p><b>NILU STIFTELSEN NORSK INSTITUTT FOR LUFTFORSKNING</b></p> <p>Norway</p>	<p>EU contribution</p> <p>€ 132 465</p>	▾

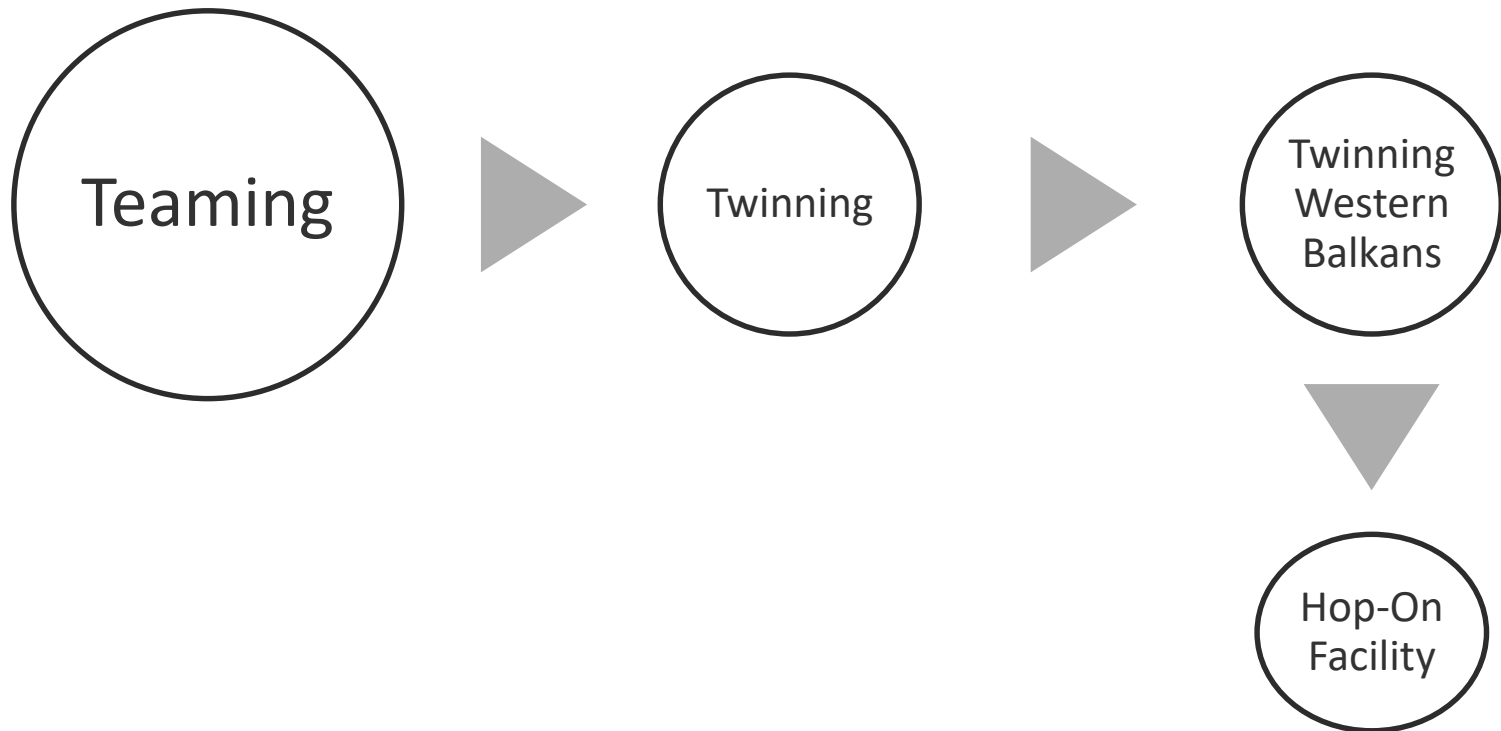


# **Destination 1 Improved Access to Excellence**



## Destination 1: Improved Access to Excellence

### Bottom – up: Science-based schemes





# Teaming for Excellence

## (Κέντρα αριστείας)



## Requirements for a Center of Excellence

### **Scientific excellence**

Critical mass of talents, knowledge, infrastructures

Excellence-based transdisciplinary research

### **Innovation-led activities & entrepreneurial culture**

Engagement with local ecosystem & industry/SMEs

Triple helix activities: Research, innovation, training/education

### **Decision-making autonomy – Financial sustainability**

Alignment with European Charter for Researchers

Gender balance (GEP, etc)

Modern management practices

Permanent connection with the leading partners of the consortium



## Call details - Eligibility criteria

- › Call type: 2- stage call
  - **1<sup>st</sup> stage deadline:** September 2021 (tbc)
  - **2<sup>nd</sup> stage deadline:** April 2022 (tbc)
- › **Budget** per proposal: 8-15 mio euro
- › **Duration:** 6 years
- › **Eligibility:** Coordinator from a widening country
  - Research-based organization (university or research center)
  - National – regional authority, Research funding agency
- › **Consortium: Coordinator** and **at least one** internationally leading research-based institution from **a different** country member state or associated country
- › **Complementary funding required** by national and/or ERDF and/or private sources





## The proposal: 1<sup>st</sup> stage

### **1<sup>st</sup> stage – conceptual approach**

- › R&I excellence **beyond state of the art**
- › Benefits from cooperation with internationally leading partner(s)
- › Strategy for pursuing complementary funding
- › Plan for autonomy
- › Recruitment and retention of necessary human resources

### **Submission dates:**

- › Call opening date: June 8, 2021 (tbc)
- › Call deadline date: September 9, 2021 (tbc)



## The proposal: 2<sup>nd</sup> stage

### **2<sup>nd</sup> stage – investment plan & winning consortium**

- › Investment plan outlining key infrastructures and equipment
- › Commitment letter from authorities managing the complementary funding
- › Strategy for achieving R&I excellence and spill-over effects
- › Demonstrate growth potential and socio-economic impact
- › Autonomy in decision making, legal, administrative, personnel and academic affairs
- › Sustainability – human resource strategy

### **Submission dates:**

- › Call deadline date: April 2022 (tbc)



## Eligible costs under Horizon Europe grant

### A grant for the start-up phase of the future Centre

- Costs for the **operation** of the centre
  - Salaries (personnel costs) of any kind for **eligible activities**
    - Scientific, managerial, technical, permanent or temporary
  - Recruitment costs (i.e. inward mobility)
  - Managerial
  - Travel – subsistence costs
- 10% of the Horizon Europe grant may be allocated to preparatory research project



## Complementary funding of Teaming-2

- › Letter of commitment from regional/national authorities or private sources
- › Integral part of 2<sup>nd</sup> stage evaluation
- › Possible [combination] of sources:
  - European Structural and Investment Funds (ESIF)
  - Public Investment Programme
  - Private funds
- › In line with country's **smart specialization (ex ante conditionality for ESIF)**
- › Dedicated to infrastructure, equipment and research
- › Costs/Operations supported should be in scope with the objectives of the supporting programme, i.e. smart specialization
- › Equal but **complementary** to Horizon Europe grant

**In KIND contribution is not considered complementary funding**



## Teaming 2<sup>nd</sup> stage evaluation procedure



### Synergy grant

- › One proposal
- › Joint evaluation
  - by the EC and National funding agency/ies
- › Includes content **supported by complementary funding, incl.**
  - provisions for research and development
  - Infrastructure technical specifications
  - Preliminary planning for building and installations
  - Cost – benefit analysis

***Important notice:*** No information is available as to the timing of these two separate evaluations of the single proposal



# **Σημεία διαφοροποίησης κέντρων αριστείας και παραδείγματα**



## Κύρια σημεία διαφοροποίησης

Πηγές ισόποσης συμπληρωματικής χρηματοδότησης

Χορήγηση Letter of Commitment

Σύσταση κοινοπραξίας & συμμετοχή δημόσιων/τοπικών φορέων

Ίδρυση νέας νομικής οντότητας

Δομή του κέντρου αριστείας

Business Model



# Κύπρος





## Επίδοση & χαρακτηριστικά

- › Φιλοξενεί 6 κέντρα αριστείας
- › Χρηματοδότηση από Ορίζοντα 2020: 68.485.379 ευρώ
- › Δημόσια δαπάνη  $\approx$  90 εκ. ευρώ
- › Συμπληρωματική χρηματοδότηση από τον κρατικό προϋπολογισμό
- › Letter of Commitment σε όλους τους Teaming-1 beneficiaries κατευθείαν

Κέντρα αριστείας	Συντονιστής	Αντικείμενο	Νέα Νομική οντότητα	Σύνολο (εκ. €)
<a href="#"><u>KIOS</u></a>	Πανεπιστήμιο Κύπρου	ΤΠΕ –Κρίσιμες υποδομές	Όχι	45
<a href="#"><u>CY-BIOBANK</u></a>	Πανεπιστήμιο Κύπρου	Υγεία	Όχι	30
<a href="#"><u>MARITEC-X</u></a>	Δήμος Λάρνακας	Θαλάσσια οικονομία	Ναι	55
<a href="#"><u>CYENS (former RISE)</u></a>	Δήμος Λευκωσίας	Αναδυόμενες τεχνολογίες – ΤΠΕ	Ναι	50
<a href="#"><u>EMME-CARE</u></a>	Ινστιτούτο Κύπρου	Κλίμα – ατμόσφαιρα	Όχι	47,8
<a href="#"><u>EXCELSIOR</u></a>	Τεχνολογικό Πανεπιστήμιο Κύπρου	Γεωπαρατήρηση	Ναι	44



### Coordinator



#### UNIVERSITY OF CYPRUS

Address  
1, Panepistimiou Avenue,  
2109, Aglantzia  
1678 Nicosia  
Cyprus

[Website](#)

Activity type  
Higher or Secondary  
Education Establishments

[Contact the organisation](#)


EU contribution  
€ 11 505 193,75

### Participants (1)

Sort alphabetically

Sort by EU Contribution

Expand all

	IMPERIAL COLLEGE OF SCIENCE TECHNOLOGY AND MEDICINE United Kingdom	EU contribution € 3 494 806,25
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### Consortium:

- › Κοινοπραξία με τα ελάχιστα κριτήρια επιλεξιμότητας



### Coordinator

	<b>LARNAKA MUNICIPALITY</b>	
Address	Activity type	EU contribution
Athinon Avenue 6300 Larnaca Cyprus	Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments)	€ 475 000
<a href="#">Contact the organisation</a>		

### Participants (8)

Sort alphabetically	Sort by EU Contribution	Expand all
	<b>MARINE INSTITUTE</b>	EU contribution € 1 177 570
	Ireland	
	<b>MARITIME INSTITUTE OF EASTERN MEDITERRANEAN - MAR.IN.E.M.</b>	EU contribution € 386 250
	Cyprus	
	<b>BLUEWISE MARINE LIMITED</b>	EU contribution € 810 002,50
	Ireland	
	<b>LIMASSOL CHAMBER OF COMMERCE AND INDUSTRY</b>	EU contribution € 251 356,25
	Cyprus	
	<b>UNIVERSITY OF SOUTHAMPTON</b>	EU contribution € 1 312 500
	United Kingdom	
	<b>GEOIMAGING LIMITED</b>	EU contribution € 513 125
	Cyprus	
	<b>SIGNALGENERIX LIMITED</b>	EU contribution € 608 750
	Cyprus	

➔ Νέα νομική οντότητα

### Consortium:

➤ Συμμετοχή εταιριών και δημοσίων φορέων

➤ Συμμετοχή και εταιριών ως internationally leading counterparts



### Coordinator

	TECHNOLOGIKO PANEPISTIMIO KYPROU		
Address	Activity type	EU contribution	
Archbishop Kyprianos 31 Savings Cooperative Bank Building 3Rd Floor 3036 Lemesos 🇨🇾 Cyprus	Higher or Secondary Education Establishments	€ 9 250 987,50	
<a href="#">Website</a>	<a href="#">Contact the organisation</a>		

### Participants (4)

Sort alphabetically ↕

Sort by EU Contribution ↕

Expand all

	DEUTSCHES ZENTRUM FUR LUFT - UND RAUMFAHRT EV Germany	EU contribution € 1 741 650	▼
	ETHNIKO ASTEROSKOPEIO ATHINON Greece	EU contribution € 2 521 250	▼
	LEIBNIZ INSTITUT FUER TROPOSPHAERENFORSCHUNG e.V. Germany	EU contribution € 1 086 112,50	▼
	MINISTRY OF TRANSPORT, COMMUNICATIONS AND WORKS Cyprus	EU contribution € 400 000	▼

➤ Αναβάθμιση υποδομής:

Ερευνητικό κέντρο

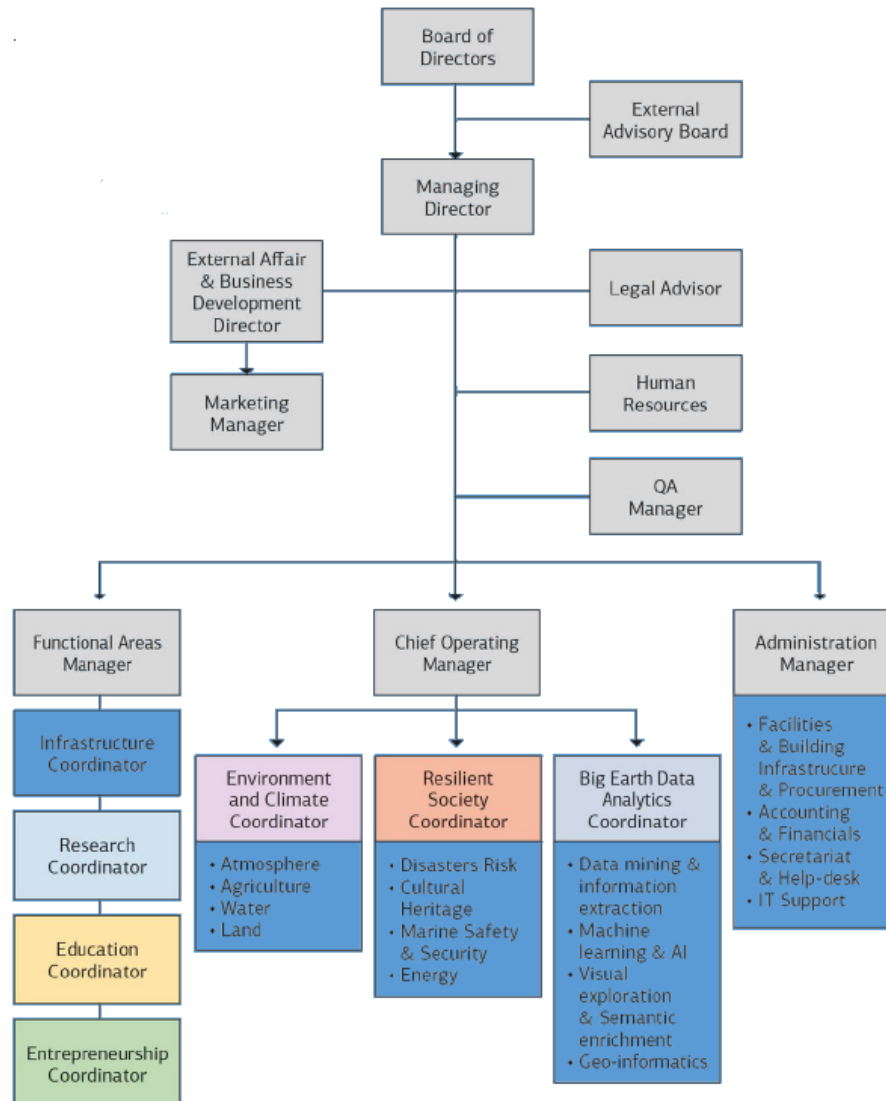
γεωσκόπησης

ERATOSTHENES

➤ Ίδρυση νομικής οντότητας  
σε δεύτερο χρόνο



## Παράδειγμα δομής ενός κέντρου





# Τσεχία



## Επίδοση και χαρακτηριστικά

- › Φιλοξενεί 3 κέντρα αριστείας
- › Χρηματοδότηση από Ορίζοντα 2020: 30.887.699 ευρώ
- › Δημόσια δαπάνη  $\approx$  60 εκ. ευρώ
- › Συμπληρωματική χρηματοδότηση από διαρθρωτικούς πόρους **με εθνική προκήρυξη**:

Κέντρα αριστείας	Συντονιστής	Αντικείμενο	Νέα νομική οντότητα	Σύνολο (εκ. €)
<a href="#">HILASE</a>	Czech Institute of Physics @Czech Academy of Sciences	Λέιζερ, φυσική	Όχι	35
<a href="#">CETOCOEN</a>	Mararyk University	Υγεία - Περιβάλλον	Όχι	28
<a href="#">RICAIP</a>	Czech Institute of Informatics, Robotics and Cybernetics	Βιομηχανία 4.0	Όχι	48



## Coordinator

	<b>CESKE VYSOKE UCENI TECHNICKE V PRAZE</b>	
Address	Activity type	EU contribution
Jugoslavyckych Partyzanu 1580/3 160 00 Praha Czechia	Higher or Secondary Education Establishments	€ 7 307 540
<a href="#">Website</a>	<a href="#">Contact the organisation</a>	

## Participants (3)

Sort alphabetically ▾ Sort by EU Contribution ▾ Expand all

	<b>VYSOKE UCENI TECHNICKE V BRNE</b>	EU contribution	▴
Czechia		€ 3 940 555	
Address	Activity type		
Antoninska 548/1 601 90 Brno Stred	Higher or Secondary Education Establishments		
<a href="#">Website</a>	<a href="#">Contact the organisation</a>		

	<b>DEUTSCHES FORSCHUNGSZENTRUM FUR KUNSTLICHE INTELLIGENZ GMBH</b>	EU contribution	▾
Germany		€ 2 541 525	
	<b>ZENTRUM FÜR MECHATRONIK UND AUTOMATISIERUNGSTECHNIK GEMEINNÜTZIGE GMBH</b>	EU contribution	▾
Germany		€ 1 196 595	

- › Περίπτωση διανεμημένης υποδομής
- › Εθνική σύμπραξη ερευνητικού – ακαδημαϊκού φορέα

## Advanced partners

- › DFKI – German center for AI
- › ZEMA: Centre for Mechatronics & Automation Technology





## Coordinator



Masarykova univerzita

Address

Zerotinovo Namesti 9  
60177 Brno Stred  
Czechia

Website [↗](#)

Activity type

Higher or Secondary  
Education Establishments

Contact the organisation [↗](#)

EU contribution

€ 9 220 000

## Advanced partner

➤ Περίπτωση κοινοπραξίας  
ερευνητικής υποδομής

## Participants (4)

Sort alphabetically [↕](#)

Sort by EU Contribution [↕](#)

[Expand all](#)



FAKULTNI NEMOCNICE U SV. ANNY V BRNE

Czechia

EU contribution

€ 996 250



UNIVERSITY COLLEGE LONDON

United Kingdom

EU contribution

€ 1 975 791,25



BIOBANKS AND BIOMOLECULAR RESOURCES  
RESEARCH INFRASTRUCTURE CONSORTIUM (BBMRI-  
ERIC)

Austria


EU contribution

€ 600 000





## Coordinator

	<b>FYZIKALNI USTAV AV CR V.V.I</b>		
Address	Activity type	EU contribution	
Na Slovance 2 18221 Praha 8  Czechia	Higher or Secondary Education Establishments	€ 7 184 446	
<a href="#">Website</a>	<a href="#">Contact the organisation</a>		

## Participants (1)

Sort alphabetically

Sort by EU Contribution

Expand all

	<b>UNITED KINGDOM RESEARCH AND INNOVATION</b>	EU contribution
 United Kingdom		€ 2 843 425



**«Μαγιά» του μελλοντικού κέντρου:**

» εθνική ερευνητική υποδομή ELI Beamlines

» Μέλος της ερευνητικής υποδομής Extreme Light Infrastructure



## Ζητήματα που προκύπτουν

Ίδρυση ή μη νομικής οντότητας;

Αυτονομία στη λειτουργία του κέντρου & λήψη αποφάσεων

Βάθος συνεργασίας με τους advanced partners

Ενσωμάτωση ή μη ιδιωτικών φορέων στην κοινοπραξία

Συνεργασίες με το οικοσύστημα

Business model - οικονομική βιωσιμότητα



# Twinning



## Scope



twinning

### Focused networks with high quality partners

- › Stimulate **scientific excellence and innovation capacity** of the coordinator
- › Utilise the experience and best practices of internationally leading partners
- › Arrangements for new or on-going research partnerships
- › Strengthen Research Management and Administration skills
  - Dedicated work package or task
  - Focus on proposal writing
  - Set-up a distinct unit, if not existing
- › Research component of up to 30% of the grant

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**Underpinned by scientific strategy**



## Eligible activities

### **Soft activities + research component**

- › short-term staff exchanges
- › expert visits
- › short term on-site or virtual training
- › workshops
- › conference attendance
- › organisation of joint summer school type activities
- › dissemination and outreach activities

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**Gender balance**



## Details

- › Deadline: January, 2022 (tbc)
- › No of projects to be funded: 100
- › Budget per proposal: 0.80-1.50 mio euro
- › **Coordinator:** Legal entities from widening countries
- › **Consortium:** At least two internationally research-based institutions from eligible countries in Horizon Europe, other than the country of the coordinator
- › Type of action: Coordination and Support Action
- › 30% of the grant to research projects
- › 70% of research activities will take place at the premises of the coordinator
- › Cross-cutting subjects: Gender – Gender equality plans, open science, FAIR data



# **Twinning**

## **Παραδείγματα - Στατιστικά**





## Case 1: MULTICOOP Project



### Assessment of chemical cocktails in combination with bioactivity testing for food and feed safety

- › **Coordinator:** University of Chemistry and Technology – Prague (CZ) - € 416 k
- › **Budget:** € 998 k – **Duration:** 01/01/16 – 31/12/18
- › **Advanced partners:**
  1. The Queen's University of Belfast (UK) - € 291 k
  2. University of Vienna, Dept of Agrobiotechnology – IFA-Tulln (AT) - € 291 k



VYSOKÁ ŠKOLA  
CHEMICKO-TECHNOLOGICKÁ  
V PRAZE



Queen's University  
Belfast

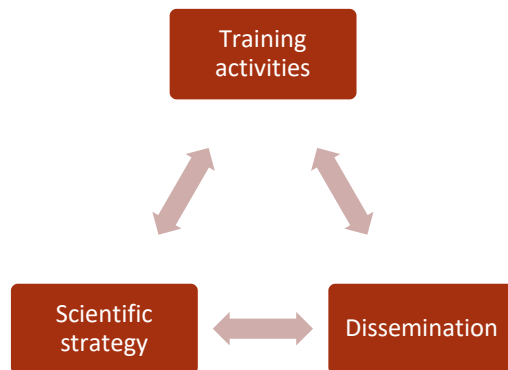


# Case 1: MULTICOOP Project



## Objectives

- › Transfer of competences, techniques between the 3 partners



## Impact

- › 10 joint research publications in food safety (combined food toxicity on food toxicants)
- › 14 papers with GOLD/GREEN access
- › Joint projects funded under H2020 (January 2017 onwards)
- › EIT Food Hub in Czech Republic
- › Identifying potential areas for future research





## Case 2: REPARES project

- › New Twinning Project (2018 Call), same team
- › **Subject:** Research on antibiotic resistance spread through wastewater treatment plants
- › Partners involved:
  1. TU Delft – NL
  2. Westus – NL ← Centre of Excellence
  3. Aalborg University – DK
  4. Catholic University of Portugal - PT

Table 3.1a: List of work packages

Work package No	Work Package Title	Lead Participant No	Lead Participant Short Name	Person-Months	Start Month	End month
1	Increasing UCT's level of scientific excellence	1	UCT	45	3	36
2	Increasing ability to successfully apply for international projects	2	TU Delft	11	12	36
3	Fostering cooperation with non-academic sector	3	Wetusus	11	1	36
4	Advancing European community's know-how on ARG's occurrence and spread in Europe	5	UCP	47	1	36
5	Management and Dissemination	1	UCT	30	1	36



Abstract from the Proposal



## ΣΤΑΤΙΣΤΙΚΑ (Η2020)

Top Participants				
Legal Name	Country	City	H2020 Participations	H2020 Net EU Contribution
<b>Totals</b>			<b>904</b>	<b>€ 195.166.504</b>
TARTU ULIKOOL	Estonia	TARTU	10	€ 4.051.846
INSTITUTO DE MEDICINA MOLECULAR JOAO LOBO ANTUNES	Portugal	LISBOA	7	€ 3.923.663
KATHOLIEKE UNIVERSITEIT LEUVEN	Belgium	LEUVEN	14	€ 2.734.699
Masarykova univerzita	Czechia	BRNO STRED	5	€ 2.585.348
FRAUNHOFER GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG	Germany	MUNCHEN	12	€ 2.310.499
UNIVERSIDADE NOVA DE LISBOA	Portugal	LISBOA	5	€ 2.188.651
TECHNOLOGIKO PANEPISTIMIO KYPROU	Cyprus	LEMESOS	6	€ 2.179.449
CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE CNRS	France	PARIS	16	€ 1.707.303
THE CHANCELLOR MASTERS AND SCHOLARS OF THE UNIVERSITY OF CAMBRIDGE	United Kingdom	CAMBRIDGE	9	€ 1.886.436
TALLINNA TEHNIKAÜLIKOOL	Estonia	TALLINN	4	€ 1.680.105
INSTITUT JOZEF STEFAN	Slovenia	LJUBLJANA	6	€ 1.648.883
UNIVERSITY OF CYPRUS	Cyprus	NICOSIA	4	€ 1.579.516
UNIVERSIDADE DO MINHO	Portugal	BRAGA	3	€ 1.571.199
MALTA COLLEGE OF ARTS SCIENCE AND TECHNOLOGY	Malta	PAOLA	4	€ 1.570.754
TALLINN UNIVERSITY	Estonia	TALLINN	5	€ 1.550.014
UNIVERSITEIT GENT	Belgium	GENT	7	€ 1.455.795
CONSIGLIO NAZIONALE DELLE RICERCHE	Italy	ROMA	7	€ 1.302.058



## Twinning: Western Balkans Special

### **Just as Twinning, but...**

- Deadline: October 2021 (tbc)
- Number of projects to be funded: 14
- Coordinator: eligible countries from Western Balkans
  - Albania
  - Bosnia Herzegovina
  - Kosovo
  - Montenegro
  - Northern Macedonia
  - Serbia
- Policy objective: Economic and Investment Plan for Western Balkans



## Destination 1: Improved Access to Excellence

### Multi-actor collaboration





# Excellence Hubs



## Excellence hubs = Place-based ecosystems

### What are they?

Mutually reinforcing actors in a territorial context, preferably, **quadruple helix**:

- › Universities and non-university research centers
- › Business entities (no start-ups)
- › Public authorities/appointed agencies
- › Societal actors (civil society, cultural actors, end users, media)







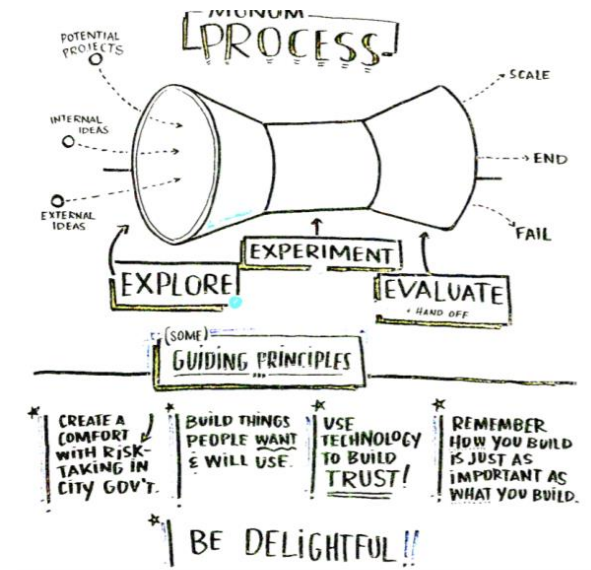
## Description & Impact

- › Creation of networks of **place-based** ecosystems
  - › Strengthen regional innovation excellence **on domains of cutting edge science and innovation:**
    - Cross-border collaboration
    - Common strategy
    - Along value-adding chains
  - › Common investment plans for R&I - infrastructures, leveraged investment + private capital
  - › Synergies with Pillar 3
  - › Strengthened linkages between science and business
  - › Knowledge transfer and development of entrepreneurial skills
- 

**Long-term joint R&I strategies & Action plans**

## Details

- › Deadline: March 2022 (tbc)
- › No of projects to be funded: 10
- › Budget per proposal: 3-5 mio euro
- › Type of action: Coordination and Support Action
- › Eligibility: At least 2 place-based R&I ecosystems from widening countries
- › **Quadruple helix ecosystem**



Source: New Urban Mechanics, City of Boston



## **European Excellence Initiative (EEI)**

Strengthening capacity for excellence in  
higher education institutions and  
surrounding ecosystems



## Description & Impact

European Research Area

- › Capacity building networks of HEIs and partners in **the local** ecosystem
- › **Integrate cooperation** between the **members of the consortium**
  - Based on a cooperation strategy
  - Implement institutional reforms
  - Involve surrounding ecosystems, incl. **non university research institutes & ecosystem actors**
- › Realisation of the University of the Future
- › Connect Education and Research in HEIs
- › Mobilise local / regional investment
- › Increased attractiveness for international talents

Gender Equality

European Education Area



## Eligible activities

- › Identification of regulatory and financial barriers hampering cooperation between HEIs and surrounding ecosystems
- › Recommendations for activities to be supported
- › Short-term staff exchanges
- › Expert visits
- › Short term on-site or virtual training
- › Workshops
- › Conference attendance
- › Organisation of joint summer school type activities
- › Dissemination and outreach activities



## Details

- › Deadline: 04 November 2021 (tbc)
- › No of projects to be funded: 15
- › Budget/proposal: 1.50-2.00 mio euro
- › Type of action: Coordination and Support Action
- › **Coordinators:** Legal entities from widening countries
  
- › **Consortium: 2 Higher Education Institutions** (HEIs) from **one or more widening countries + at least 2 internationally leading institutions** from **2 different eligible countries**

**Exception:** “Entities who already benefit from the **European Universities initiative pilot funding of Horizon 2020 can participate, but are excluded from receiving funding** through this action.



# Hop-On



## Description

### What for?

- › Promote participation of widening organisations in Cluster II of Horizon Europe – Research and Innovation Actions (RIA)

### Requirements

- › Current valid grant agreement for a RIA action
- › No widening partner in current consortium

### How it works?

- › Coordinator submits proposal for the accession of widening partner
- › Separate WP for widening partner
- › Added value of the widening partner will be **evaluated**
- › Green & digital transitions will be favored in ax-aequo proposals
- › 10% of the extra budget goes to Coordinator





## Details

- › Deadline: April, November 2022
- › Number of projects to be funded: 80
- › Budget per proposal: 0.20 – 0.50 mio euro
- › Type of action: **Research and Innovation Actions of Pillar 2**



# **Destination 2 Fostering Brain Circulation**



## Destination 2 – Fostering Balanced Brain Circulation



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**International   Interdisciplinary   Intersectoral mobility**



# ERA Chairs



## Description



era chairs

### The ERA Chair

- › Must be identified
- › Outstanding researcher of any nationality settling in a widening organisation
- › Enjoy freedom/autonomy from the host organization
- › Resource allocation, apply freely for funding, supervise team members
- › May undertake teaching duties
- › Full time or part time

### ERA Chair & the team

- › Set up a permanent research team **integrated** in the coordinator
- › Open-transparent recruitment – No prior contractual relationship of 50% of team members
- › Set up a leader of the team within the first 3 years of the project



## The proposal

- › CV of the ERA Chair
- › Technical and scientific support to be provided by the coordinator
- › Investments in facilities, infrastructures or effective use of existing facilities
- › Recruitment by the European Charter for Researchers & Code of Conduct

### **Demonstration of commitment**

- › Letter of Commitment by the ERA Chair
- › Letter of the head of the coordinator about giving the ERA Chair holder adequate support

### **Contractual arrangements and multiple stays**

- › Salary, travel, perks should be outlined in proposal
- › Timeline outlined in proposal
- › Sustainability arrangements



## Impact

### **Institutional reforms**

- › establishment of a research unit for spill over effect within the organisation
- › better research management, IPR etc

### **Fund raising - Sustainability**

- › improved success to competitive research funding

### **Attractiveness**

- › Improved attractiveness of the institution to attract international and excellent researchers
  - international, interdisciplinary and intersectoral mobility of researchers and innovators



## Eligible costs

### **Eligible costs**

- › Salaries / ERA Chair and team members
- › Recruitment costs
- › Travel costs
- › Administrative costs
- › **Up to 10% research costs** (linked to seconded personnel to the coordinator)
- › Trainings
- › Meetings
- › **Publications**
- › **Intellectual Property Management**

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**Gender equality plans**





## Details

- › Deadline: March 2022
- › Type of Action: Coordination and Support Action (CSA)
- › Duration: 5 years
- › No of projects to be funded: 32
- › Budget/proposal: 1.50 - 2.50 mio euro
- › Eligibility: Coordinators from widening countries
- › Consortium: Possibility for joint application between the coordinator & organization (from any part of the world **EXCEPT the country of the coordinator**) currently hosting the ERA Chair



# **ERA Chairs**

## **Παραδείγματα – στατιστικά - ανταγωνιστικά στοιχεία πρότασης - ζητήματα**



## Case 1: SuprachemLab (RO)



### **Laboratory for Supramolecular Chemistry for adoptive delivery systems**

**Host:** Intel Centre @ Petru Poni  
Institute for Macromolecular  
Chemistry, based in IASI, Romania

**ERA Chair:** Emeritus Professor Marc  
J.M. Abadie, University of Montpellier,

**Aim:** Establish a competitive research group in hybrid materials for adoptive self-organised supramolecular structures

**Budget:** € 2.5 m– **Duration:** 01/07/15 – 30/06/20

#### **Resources:**

1. Newly build Intel Centre for Bionanoconjugates and biopolymers worth of 5 million euros
2. Experience of Nobel Prize holder in Chemistry Prof. Jean Marie Lehn



## Case 1: SuprachemLab (RO)



### Achievements

- › 57 open-access articles in scientific journals on Drug Delivery
- › 9 in-house trainings brought >20 leading scientists
- › 10 outgoing trainings: Montpellier institute of Membranes (FR), Namur University (BE), EU Surface Analysis Users Meeting (UK)
- › Scientific agreements with CNRS (FR), Imperial College (UK), Fraunhofer Institut fur Biomedizinische (DE), Royal Institute of Technology – Dept of Chemistry (SE)
- › 5 in-house event for cooperation with industry, patenting and tech-transfer, >25 participation in industry-based events.
- › Membership in clusters, national & international (Danube Framework for RRI)



## Case 2: University of Tartu: Institute of Technology



UNIVERSITY OF TARTU  
Institute of Technology

### 3 ERA Chairs by one Institute

#### SynBioTec: ERA Chairs on Synthetic Biology

› ERA Chair Holder: Dr. Petri – Jaan Lahtvee



#### GasFermTech

#### ERA Chairs on Gas Fermentation Technologies

› ERA Chair Holder: Dr. Kaspar Valgepea



#### MATTER: ERA Chairs on Materials in Xtreme Environments

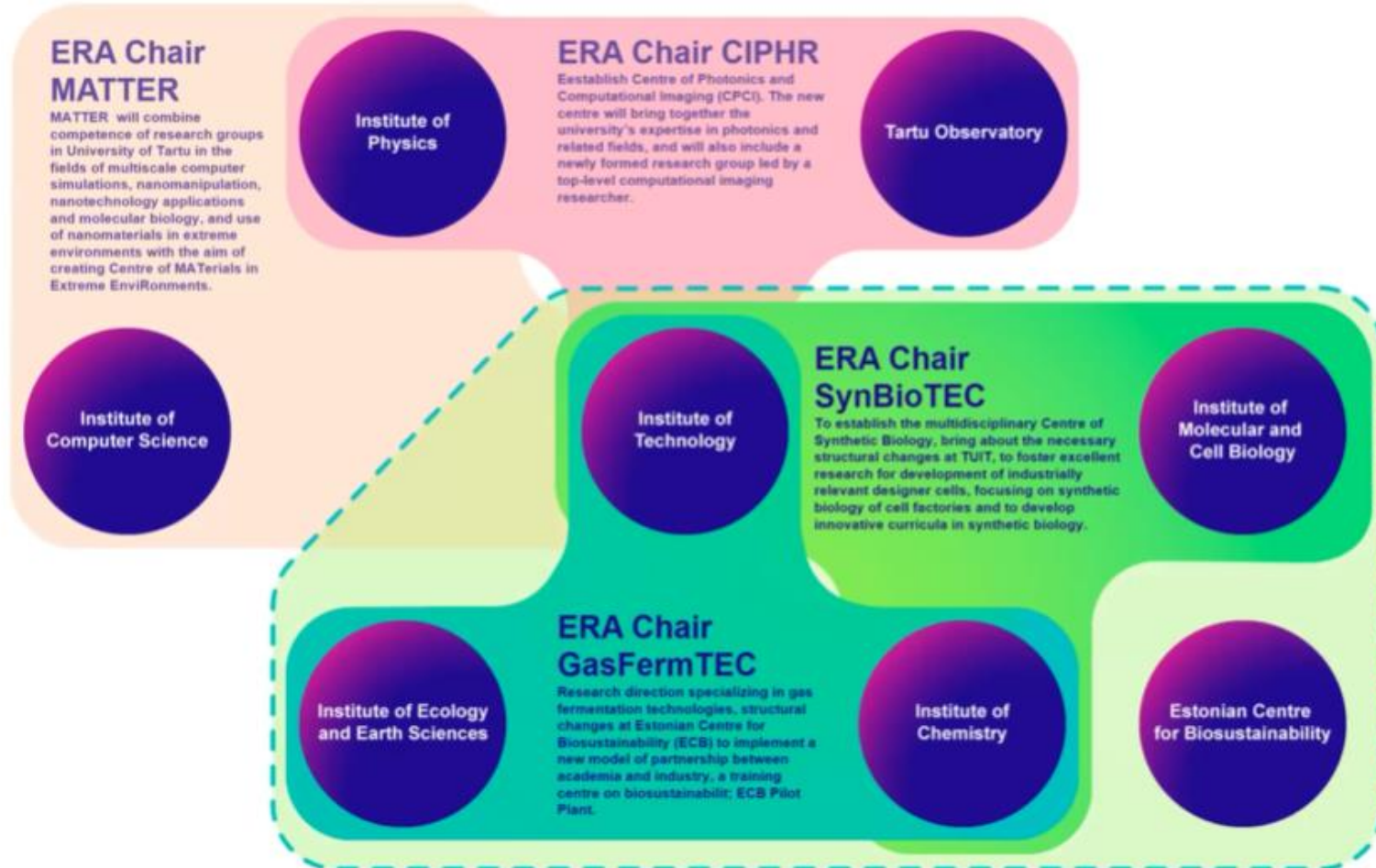
› ERA Chair Holder: Not recruited yet



**Plus:** Seed funding for research costs by Estonian Research Council



## Case 2: University of Tartu: Institute of Technology





# ΣΤΑΤΙΣΤΙΚΑ (Η2020)

Top Participants					
Legal Name	Country	City	H2020 Participations	H2020 Net EU Contribution	
<b>Totals</b>			<b>59</b>	<b>€ 146.234.993</b>	
TARTU ULIKOOL	Estonia	TARTU	7	€ 17.286.219	
TALLINNA TEHNIKAÜLIKOOL	Estonia	TALLINN	3	€ 7.497.500	
UNIVERZA V LJUBLJANI	Slovenia	LJUBLJANA	2	€ 4.999.996	
THE CYPRUS INSTITUTE	Cyprus	NICOSIA	2	€ 4.999.250	
EESTI MAULIKOOL	Estonia	TARTU	2	€ 4.967.375	
INSTITUTO DE BIOLOGIA MOLECULAR E CELULAR-IBMC	Portugal	PORTO	2	€ 4.955.799	
TALLINN UNIVERSITY	Estonia	TALLINN	2	€ 4.896.363	
ICETA INSTITUTO DE CIENCIAS, TECNOLOGIAS E AGROAMBIENTE DA	Portugal	PORTO	2	€ 4.724.545	
CENTRO DE NEUROCIENCIAS E BIOLOGIACELULAR ASSOCIACAO	Portugal	COIMBRA	1	€ 2.500.000	
INSTITUTUL REGIONAL DE ONCOLOGIE IASI	Romania	IASI	1	€ 2.500.000	
UNIVERSITY OF CYPRUS	Cyprus	NICOSIA	1	€ 2.500.000	
FACULDADE DE MEDICINA DA UNIVERSIDADE DE LISBOA	Portugal	LISBOA	1	€ 2.499.999	
Medical University Of Varna	Bulgaria	VARNA	1	€ 2.499.979	
SVEUCILISTE U ZAGREBU FAKULTET ELEKTROTEHNIKE I RACUNARSTVA	Croatia	ZAGREB	1	€ 2.499.958	
KOC UNIVERSITY	Turkey	ISTANBUL	1	€ 2.499.938	
Instytut Rozrodu Zwierząt i Badania Żywności Polskiej Akademii Nauk	Poland	OLSZTYN	1	€ 2.499.888	
UNIVERSIDADE DO MINHO	Portugal	BRAGA	1	€ 2.499.755	
POLITECHNIKA ŚLĄSKA	Poland	GLIWICE	1	€ 2.499.500	



## Στοιχεία ανταγωνιστικής πρότασης

### **Επίπεδο οργανισμού**

- › Παραδοχή αδυναμιών του ινστιτούτου/εργαστηρίου του φορέα υποδοχής
- › Διάθεση για διαρθρωτικές αλλαγές που να επηρεάζουν και τον φορέα υποδοχής
- › Δέσμευση του φορέα υποδοχής για μέγιστη αυτονομία στον ERA Chair

### **Συμπληρωματικές επενδύσεις**

- › Εξοπλισμός που θα αποκτηθεί και θα διατεθεί για τις ανάγκες του έργου
- › Seed funding π.χ. για έρευνα

### **Προφίλ ERA Chair**

#### **Στρατηγική - βιωσιμότητα**

- › Ενσωμάτωση ERA Chair και της ομάδας στον φορέα υποδοχής
- › Ενσωμάτωση της ομάδας στα αναπτυξιακά σχέδια του φορέα υποδοχής π.χ. δημιουργία νέου κέντρου, νέου ινστιτούτου, κ.ά.
- › Fund raising





# **ERA Fellowships**

# **ERA Talents**



## ERA Fellowships - Description



- › Proposals are submitted on MSCA -  
Post Doctoral Fellowships 2021
- › Available to researchers of **any nationality**
  - Coming from outside Europe to a widening country
  - Moving from Europe to a widening country
- › **Secondment possible**
  - in Europe and beyond – time restrictions apply
  - additional **6 months** at the end of the project for placement in the non-academic sector
  - Integral part of the proposal
- › Development of career plan + training + transferable skills

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International ● Intersectoral ● Interdisciplinary mobility



## ERA Fellowships - Details

- › Deadline: October 2021, September 2022
- › Type of action: Training and mobility action - **NEW ACTION**
- › 50 projects to be funded
- › Monobeneficiary action
- › Eligibility for re-directing of proposals: Legal entity hosting the postdoctoral researcher comes from a widening country
- › Duration, evaluation and funding: as per MSCA



## ERA Talents - Details

### **Same rationale as the ERA Fellow call but...**

- › Mobility: not limited to researchers – but to other R&I supporting professions
- › 40 projects to be supported
- › Deadline: April 2022






Thank you  
for your attention

**Vassiliki Kalodimou**

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   praxinetwork