

**Ufuk Avrupa Programı
Bilgilendirme Etkinliđi**



**Building Collaborations for
Innovation Excellence**

PROJE DENEYİMİ:

Avrupa İşletmeler Ağı- Proje Hazırlama & Yürütme Deneyimi, 1.5 M €

- Ege Business and Innovation Center (EBIC-Ege)

H2020 Proje Hazırlama & Yürütme Deneyimi, 1.5 M €

- Enhancing Innovation Management Capacity of SMEs: Coaching and Mentoring Services (SMEntorEGE)
- MSCA Green Night
- Horizon 2020 ERA Chairs, Rareboost

Rekabetçi Sektörler Programı – Başvuru Koordinasyonu, 6,5 M €

- D-TECH4ENT (Deep Technology Incubator for Entrepreneurs)

TÜBİTAK 1004 - Başvuru Koordinasyonu, 47 Milyon TL

- Ülkemizde ve Dünyada Halk Sağlığını En Fazla Tehdit Eden HPV ve Influenza Kaynaklı Enfeksiyonlara Karşı Tanı Kitleri, İlaç Formülasyonları ve Aşı Geliştirilmesi (EnfektİA)

Erasmus+ Stratejik Ortaklıklar – Proje Hazırlama & Yürütme Deneyimi, 176 Bin €

- Strengthening Technology Transfer Infrastructures for Thematic Universities and Research Centers (3TforUni)
- Engineering Student Centred Learning Approaches (ESCOLA)
- Creativity for Higher Education Engineering Teachers (CHET)
- Electric vehicle charging in education (C-Evil)
- Empowering Female Engineering Entrepreneurs (EMERGE)



Beliz ÖZÜT
Teknoloji Transfer
Uzmanı

MESLEKİ DENEYİM

- 2021- **BC Partnering**, Kurucu Ortak
- 2021- **İzmir Biyotıp ve Genom Merkezi**, İş Geliştirme ve Ticarileştirme Birim Sorumlusu
- 2021- **Ufuk Avrupa TÜBİTAK Bilgi Çoğaltıcısı**
- 2015- 2020 **HORIZON 2020 TÜBİTAK Bilgi Çoğaltıcısı Faz I & II**
- 2013- 2021 **EBİLTEM-TTO, Proje Uzmanı & Birim Sorumlusu**

Program

1 Mayıs 2022, 10.00-16.00

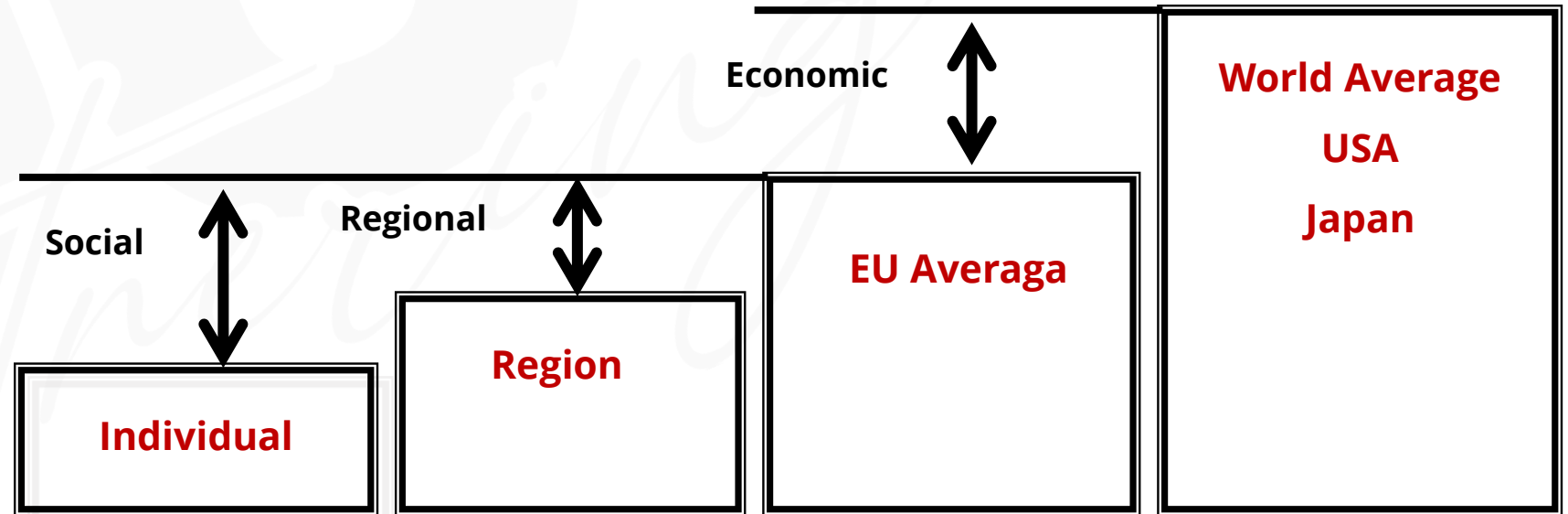
- Ufuk Avrupa Programı Genel Bilgilendirme
- Ufuk Avrupa Programı Ana Sütunları ve Bileşenleri
- Finansman Türleri ve Proje Tipleri
- ECAS Sisteminin Tanıtılması ve Profil Oluşturulması
- Ufuk Avrupa Mali ve Finansal Süreçler
- TÜBİTAK AB Çerçeve Destek ve Ödül Programları

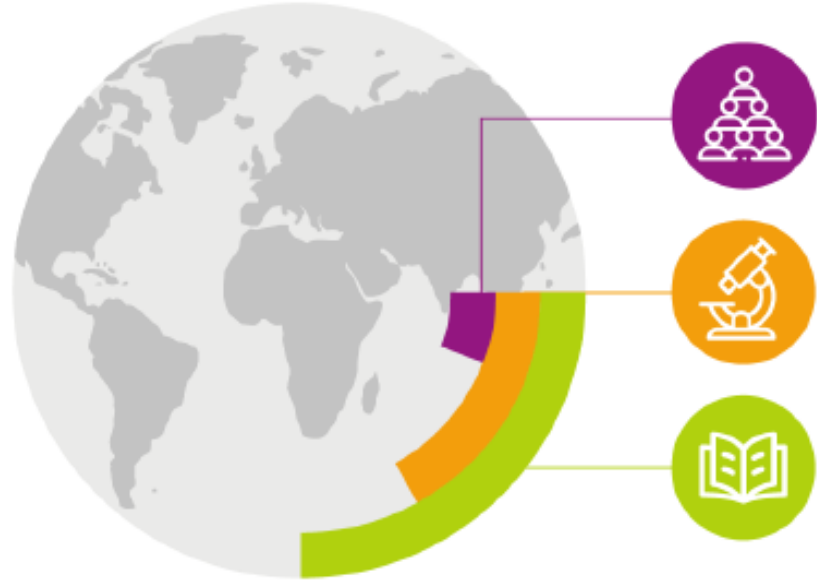
2 Mayıs 2022, 10.00-16.00

- Funding & Tenders Portal'ın incelenmesi, çağrılara erişim
- Ufuk Avrupa Proje Başvuru Dokümanının İncelenmesi
- Proje Başvuru Süreçleri
- Proje Değerlendirme Süreçleri
- Ufuk Avrupa hakemlik süreçleri

AB Politikaları

- AB'nin dünya lideri olabileceği alanlarda,
- AB'nin rekabet gücünü arttırmaya yönelik,
- Sürdürülebilir kalkınma boyutlu,
- Altyapı geliştirmeye yönelik,
- Sosyal kalkınmayı destekleyen,
- Şirketler, araştırma kuruluşları, finans çevreleri ve idari organları bir araya getirecek şekilde oluşturulmuştur.





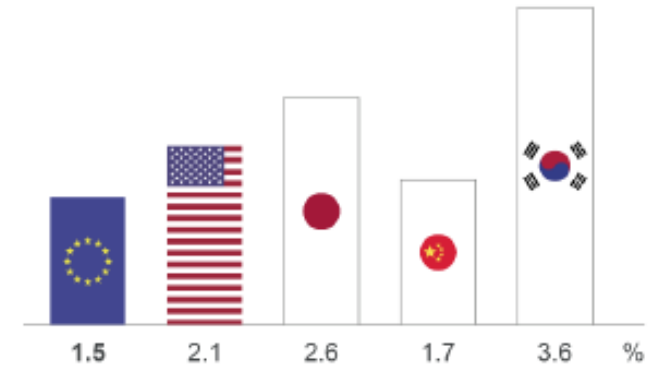
6% of the world's population

17% of global R&D

25% of all high-quality scientific publications

...Europe can do better at transforming this into **leadership in innovation** and **entrepreneurship**

1.5% EU business R&D investment



EU figure is for 2019

Figures for USA, Japan, China and South Korea are for 2018. Figures represent R&D as % of GDP

Ar-Ge Yaklaşımı

Frascati'ye göre;

- Bilimsel ve teknolojik eksiklik/belirsizlik,
- Konusunda uzman araştırmacılar ekip,
- Sistematik faaliyetler,
- Deneysel, bilimsel ve teknik içerik,
- Özgün ve nitelikli çıktılar.

**AR-GE Projesi
Nedir?**

Ar-Ge Yaklaşımı

FRASCATI'ye
göre

1

TEMEL ARAŞTIRMA

2

UYGULAMALI ARAŞTIRMA

3

DENEYSEL ARAŞTIRMA

TEMEL ARAŐTIRMA

Temel araŐtırma, g r n rde herhangi bir  zel uygulaması veya kullanımı bulunmayan ve  ncelikle **olgu ve g zlemlenebilir gerekler**in temellerine ait yeni bilgiler edinmek iin y r t len deneysel veya teorik alıŐmalardır.

Hipotez, teori veya yasaları form le etmek ve test etmek amacıyla  zellikleri, yapıları ve iliŐkileri analiz eder.

UYGULAMALI ARAŐTIRMA

Uygulamalı araŐtırma da yeni bilgi elde etme amacıyla üstlenilen özgün bir araŐtırmadır. Bununla birlikte, öncelikle belirli bir **pratik amaç veya hedefe** yöneliktir.

“Veri toplama, veri analizi ve saha uygulaması tek başına araŐtırma olarak kabul görmemektedir.”

DENEYSEL ARAŐTIRMA

AraŐtırma ve/veya pratik deneyimden elde edilen mevcut bilgiden yararlanarak;



Yeni Malzemeler
Yeni Ürünler
Cihazlar

Üretme



Yeni Süreçler
Sistemler
Hizmetler

Kurgulama

Halihazırda
Üretilmiş
veya
Kurulmuş
olanları

**Önemli Ölçüde
GeliŐtirme**

İnovasyon Nedir?

- Yeni veya iyileştirilmiş ürün, hizmet veya üretim yöntemi geliştirmek ve bunu **ticari gelir** elde edecek hale getirmek için yürütülen tüm süreçler.
- Yeni fikirlerin ticari bir yarara dönüştürülmesi süreci.
- Farklı, değişik ve yeni fikirler geliştirerek bunların uygulanması.
- Yeni fikirlerin başarılı bir şekilde uygulamaya dönüştürülmesi,
- Yeni fikirlerin fırsata ve bu fırsatlarında uygulamaya aktarılması.

Innovation is not about technology; it's about finding a problem and creating an approach that changes the way the problem is solved today.

İnovasyon Ne Değildir?

- **Fikir** tek başına bir inovasyon değildir,
- Üründe **taklit** bir inovasyon değildir,
- **Var olan bir ürün veya hizmeti** üretmek inovasyon değildir,
- **Ticarileşmeyen** bir buluş/patent inovasyon değildir,
- Piyasaya çıkmış ancak **başarılı olmamış** yeni bir ürün de inovasyon değildir.

Invention



Innovation



Invention



Tim Berners-Lee invented the World Wide Web (Internet)

Innovation



Mark Zuckerberg used the Internet to define social networking

Buluş ve İnovasyon Karşılaştırması

Karşılaştırmalı Kriterler	Buluş (Invention)	Yenilik (Innovation)
Tanım	Daha önce yapılmamış bir ürün ve sürecin üretilebilmesi için gerekli bilginin/fikrin ortaya konması	Daha önce olmayan yeni bir ürün ve hizmetin geliştirilerek başarılı bir şekilde pazarda yer edinmesi
Nedir?	Yeni bir bilginin kullanılarak ilk defa bir ürünün geliştirilmesidir.	Üretilen bilgilerden yararlanarak tamamen yeni bir ürün üretmek veya var olan ürünlere değer ekleyerek geliştirmek
Konsept	Teoride çalışan yeni bir fikir	Yeni bir bilginin/fikrin hayata geçirilmesi
Gereken yetenek	Bilimsel bilgi ve araştırma yeteneği	Girişimcilik, pazarlama ve stratejik yönetim becerileri
Oluşma zamanı	Bilimsel merakın ortaya çıkması ile	Bir ürün veya hizmete ihtiyacın olduğu hissedildiği zaman
Ortaya çıkış şekli	Ham bir prototip veya süreç	Değişik ürün ve süreçlerin kombinasyonu
Ortaya çıkarıcı yapı	Temelde Ar-Ge birimi	Tüm birimlerin işbirliği

İnovasyon Türleri

- Ürün İnovasyonu (Product Innovation)
- Süreç İnovasyonu (Process Innovation)
- Pazarlama İnovasyonu (Marketing Innovation)
- Organizasyonel İnovasyon (Organizational Innovation)
- İş Modeli İnovasyonu (Business Model Innovation)
- Sorumlu Yenilik (Responsible Innovation)



İnovasyonun Derecesi

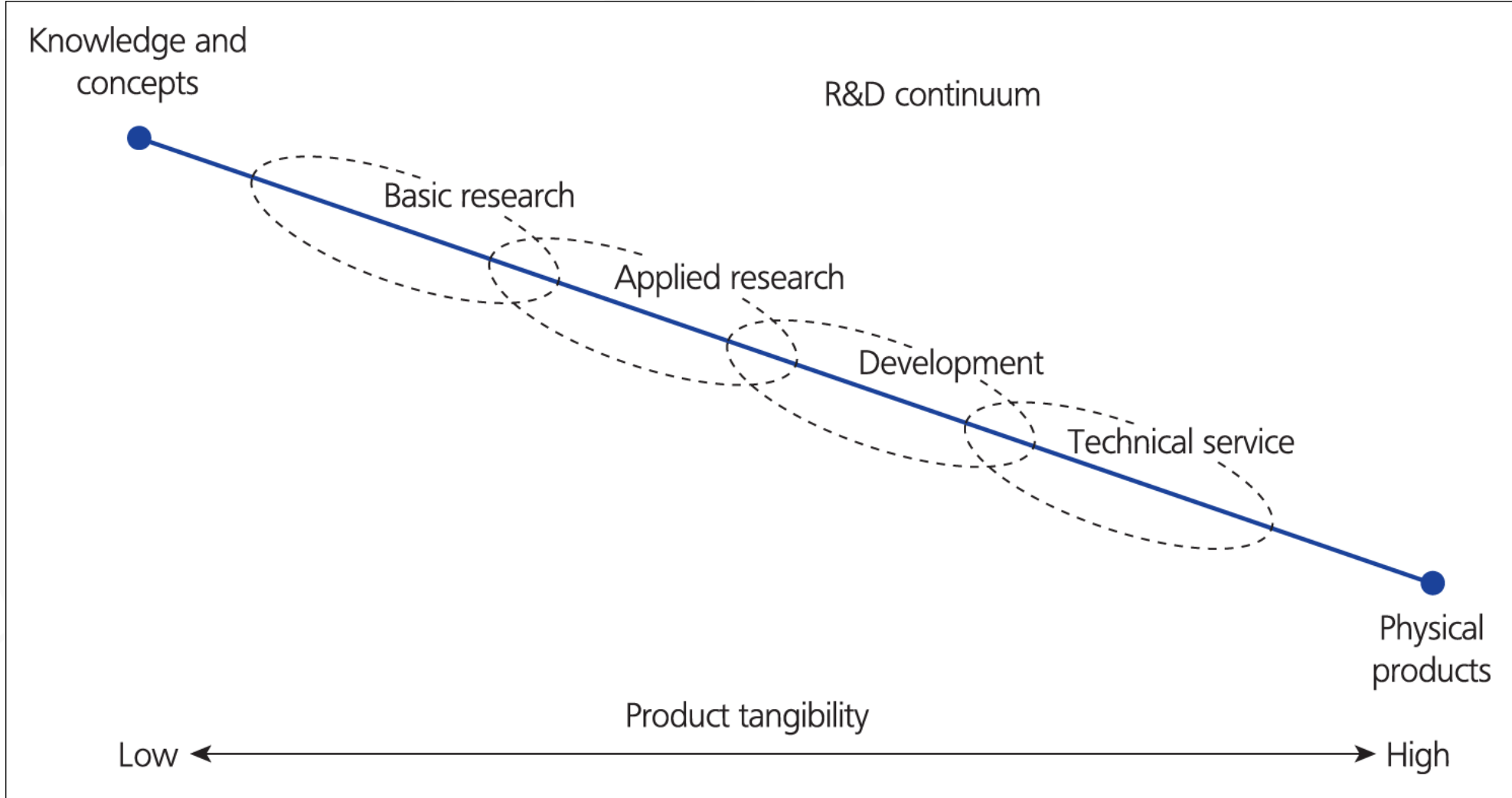
- Radikal İnovasyon
- Adımsal/Kısmi İnovasyon



Dropbox



Ar-Ge'nin Sürekliliđi



Kaynak: *Oya I. Tukul*

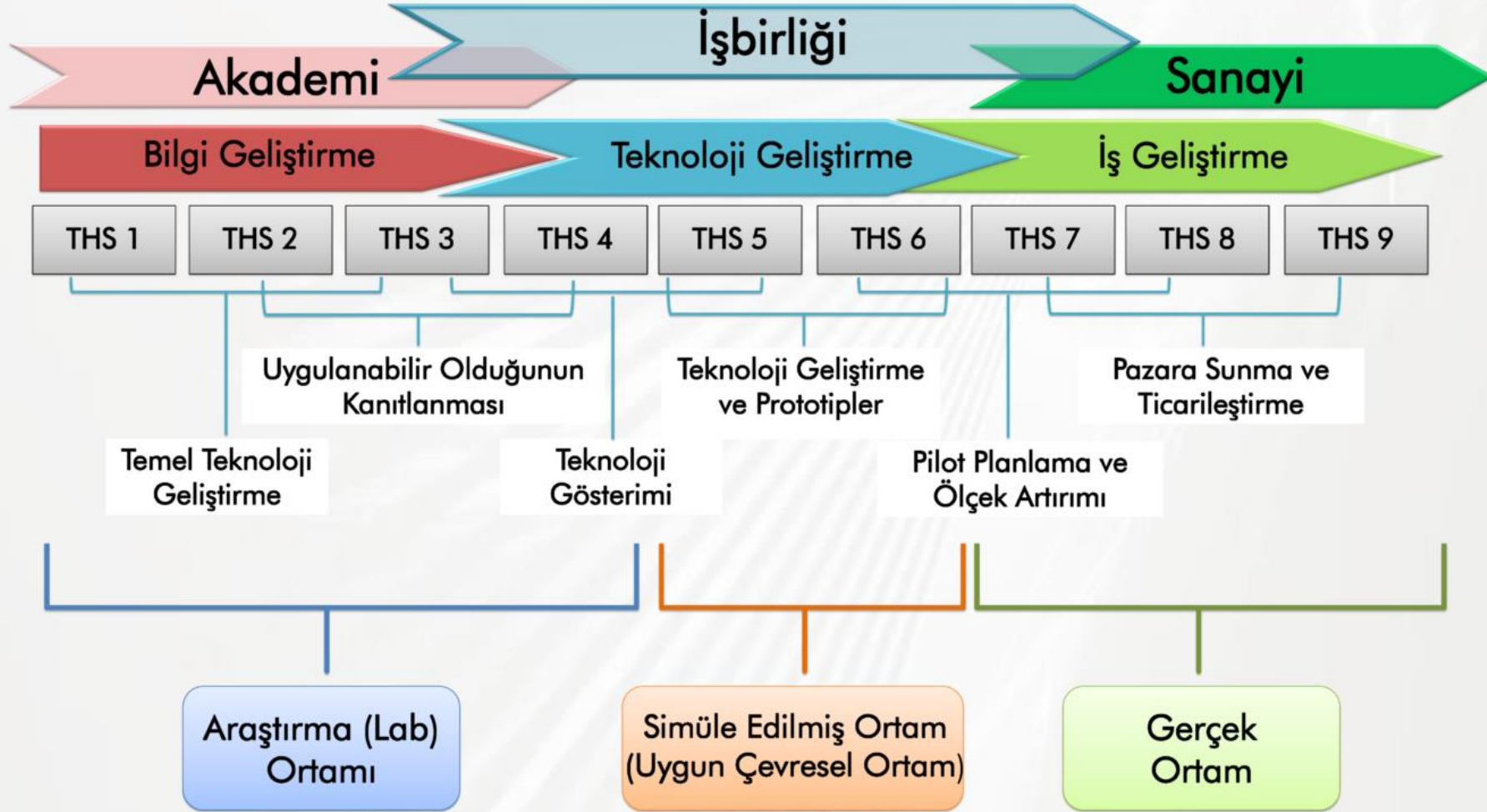
Teknoloji Hazırlık/Olgunluk Seviyeleri

Technology Readiness Level (TRL) is a systematic measurement system that enables the assessment of the maturity of a particular technology and allows a consistent comparison of maturity between different technologies.

Araştırmadan Ticarileşmeye
Yenilik Zinciri

THS

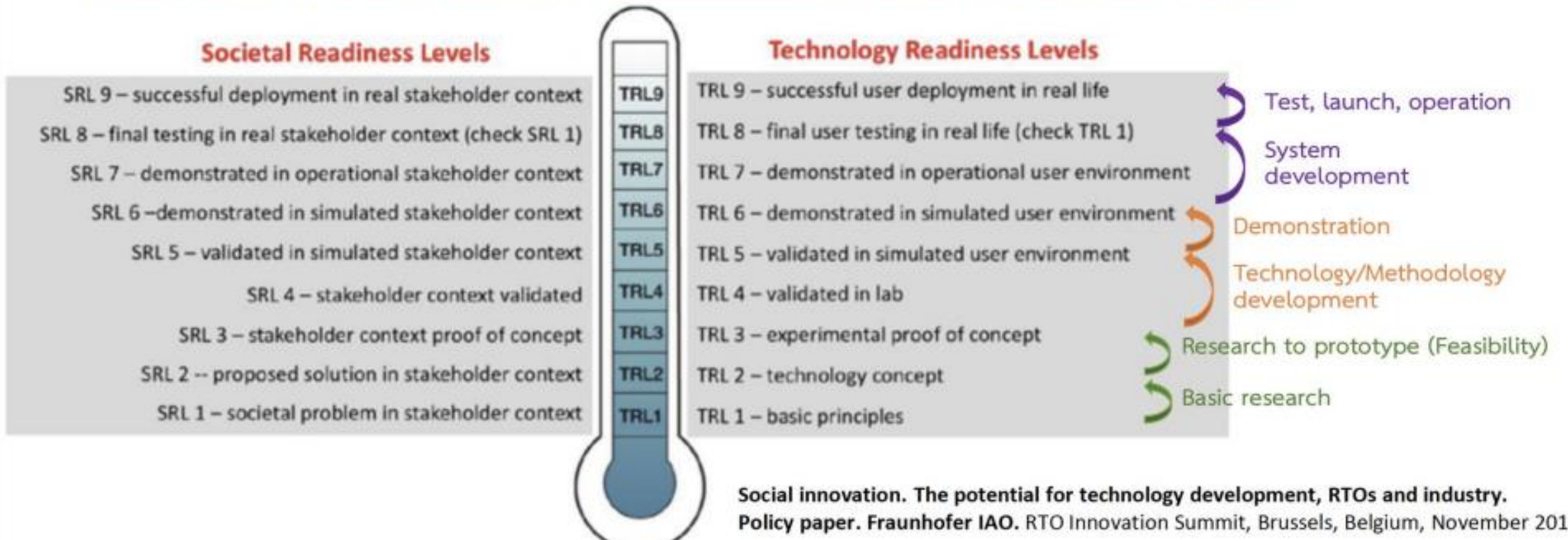
Gerçekleşme Ortamı



Societal Readiness Levels

Level of Research in terms of TRL & SRL

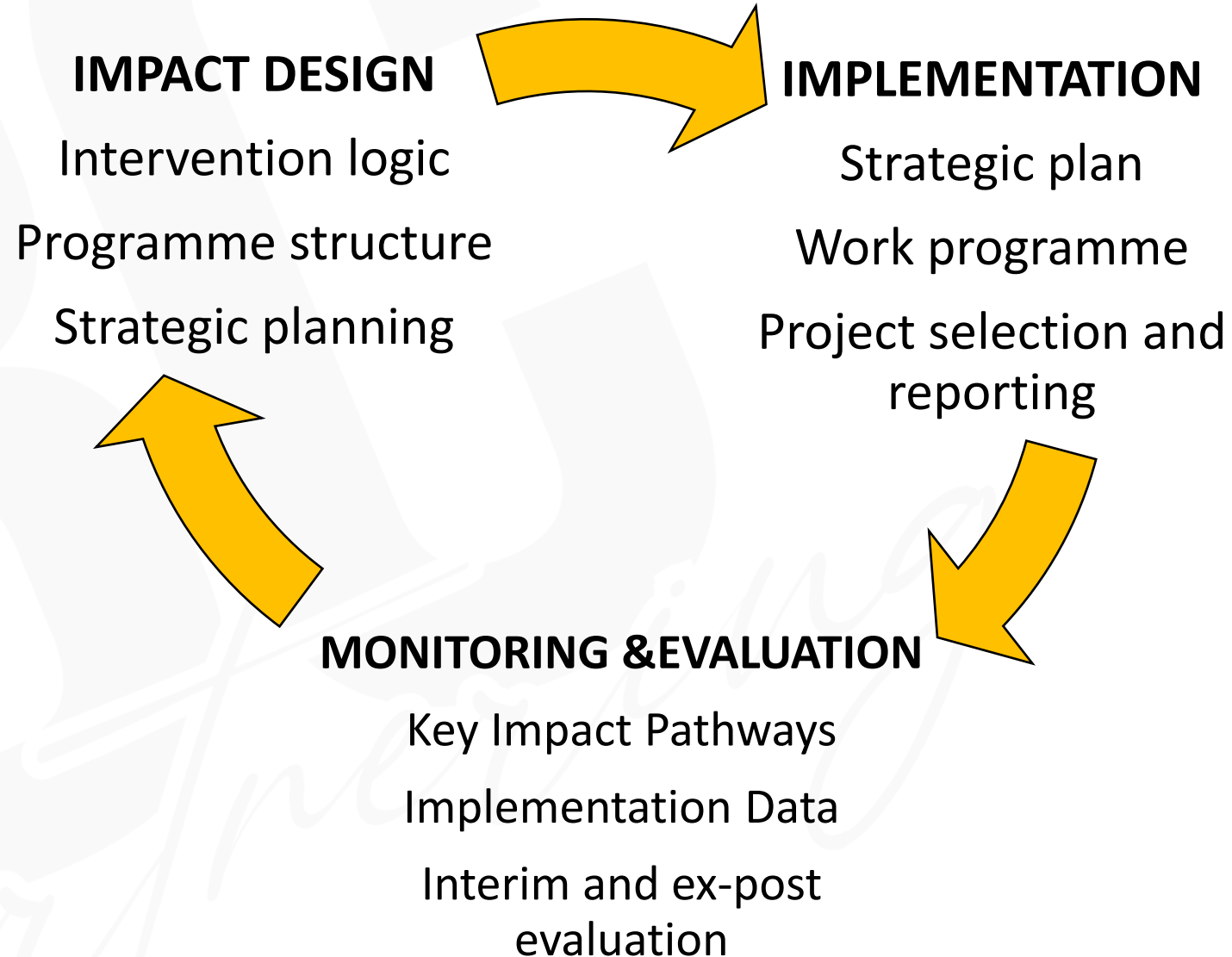
If the SRL lags behind the TRL, the innovation will not get off the ground.



ÇERÇEVE PROGRAMLARINDA VURGUNUN DEĞİŞİMİ

- **FP4:** Teknoloji geliştirme.
- **FP5:** Yeni teknolojiler ile AB problemlerini çözme.
- **FP6:** Büyük ve stratejik AB problemlerinin en iyi konsorsiyumlar ile çözülmesi.
- **FP7:** KOBİ'lerin katkısı ile araştırma sonuçlarının topluma mal edilmesi
- **HORIZON 2020:** Sosyo-ekonomik kalkınma
- **HORIZON EUROPE:** Çıktı odaklı yaklaşımdan "Etki Odaklı" yaklaşıma geçiş

UFUK AVRUPA PROGRAM DÖNGÜSÜ



Model Grant Agreement (MGA)

ARTICLE 26 — IMPACT EVALUATIONS

26.1 Impact evaluation

The granting authority may carry out impact evaluations of the action, measured against the objectives and indicators of the EU programme funding the grant.

Such evaluations may be started during implementation of the action and until the time-limit set out in the Data Sheet (see Point 6). They will be formally notified to the coordinator or beneficiaries and will be considered to start on the date of the notification.

If needed, the granting authority may be assisted by independent outside experts.

The coordinator or beneficiaries must provide any information relevant to evaluate the impact of the action, including information in electronic format.

IMPACT DESIGN



Scientific Impact

Promote scientific excellence, support the creation and diffusion of high quality new fundamental and applied knowledge, skills, training and mobility of researchers,

Attract talent at all levels,

Contribute to full engagement of Union's talent pool in actions supported under the Programme



Societal Impact

Generate knowledge,

strengthen the impact of R&I in developing, supporting and implementing Union policies,

support the uptake of innovative solutions in industry, notably in SMEs, and society to address global challenges, inter alia the SDGs



Economic Impact

Foster all forms of innovation

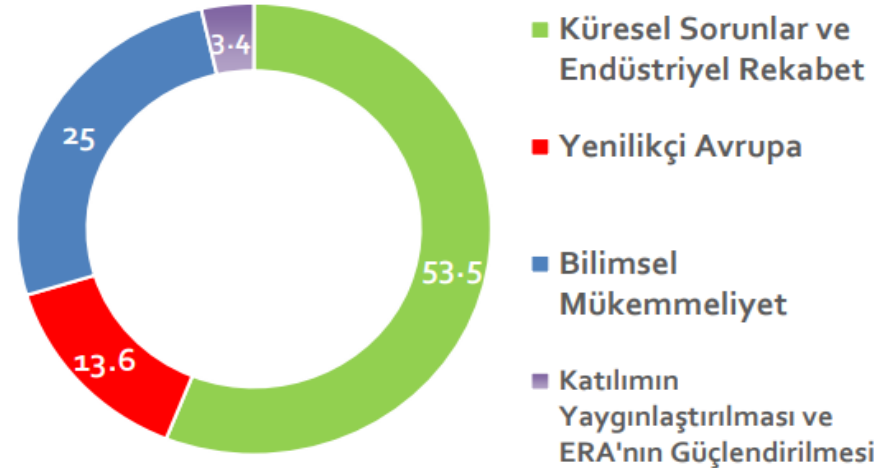
Facilitate technological development, demonstration and knowledge transfer,

Strengthen deployment of innovative solutions

UFUK AVRUPA PROGRAMI (2021-2027)

- AB'nin bilimsel ve teknolojik mükemmelliğini beslemek ve Avrupa Araştırma Alanını (ERA) güçlendirmek
- Avrupa'nın yenilik alımını, rekabet gücünü ve istihdamını artırmak
- Yeşil ve dijital dönüşüm ve Sürdürülebilir Kalkınma Hedefleri dahil olmak üzere politika önceliklerini ele almak

Toplam Bütçesi: 95,5 Milyar Avro



Ufuk Avrupa Programı Öncelikleri



<https://www.un.org/sustainabledevelopment/sustainable-development-goals/>

Ufuk Avrupa projeniz 17 SDG'nin her birini olumlu mu yoksa olumsuz mu etkiliyor?

17 Sürdürülebilir Kalkınma Hedefi

169 Alt Hedef (Hedefler)

247 Metrik (Göstergeler)

Çözüm Gerektiren Güçlükler ve Ufuk Avrupa için Belirlenen Misyonlar

Karmaşık sorunlar içeren güçlükler karşı çözüm üretilmesi için geniş çaplı işbirliği



Toprak Sağlığı ve
Gıda



Okyanuslar ve Suların
Restorasyonu



İklim Değişikliğine
Uyum



Kanser Misyonu



İklim-Nötr ve Akıllı
Şehirler Misyonu

https://research-and-innovation.ec.europa.eu/knowledge-publications-tools-and-data/publications/all-publications/implementation-plans-eu-missions_en

MISSIONS BOARD PROPOSALS

Conquering Cancer: Mission Possible

Target for 2023: > 3M lives saved

A Climate Resilient Europe Prepare Europe for climate disruptions and accelerate the transformation to a climate resilient and just Europe by 2030

Target for 2023: Prepare Europe for climate disruptions, accelerate transition and scale up solutions for resilience

Mission Starfish 2030: Restore our Ocean and Waters

Target for 2023: Cleaning marine & fresh waters, restoring ecosystems, decarbonize blue economy

100 Climate Neutral Cities by 2030 by and for the Citizens

Target for 2023: Showcase 100 European cities in their systemic transformation to climate neutrality, turn them into innovation hubs

Caring for Soil is Caring for Life

Target for 2023: >75% of all soils in the EU are healthy for food, people, nature and climate



UFUK AVRUPA ORTAKLIKLARI

Sağlık	İklim, Enerji ve Mobilite	Dijital, Endüstri ve Uzay	CROSS-PILLARS II&III	EIT (BİLGİ İNOVASYON TOPLULUKLARI)	Gıda, Biyoekonomi, Tarım ve Çevre	İNOVASYON EKOSİSTEMLERİNE DESTEK
Sağlık Araştırmaları için Avrupa Araştırma Alanı (ERA for Health)	Kentsel Geçişten Sürdürülebilir Bir Geleceğe Yönlendirme Ortaklığı (Driving Urban Transitions-DUT)	Metrolojide Avrupa Ortaklığı	Avrupa Açık Bilim Bulutu	EIT Bölgesel Yenilik Programı (EIT RIS)	Gezegen için Su Güvenliği (Water4All) Avrupa Ortaklığı	Yenilikçi KOBİ'ler için Avrupa Ortaklığı (The European Partnership on Innovative SMEs)
Pandemi Hazırlığı için Avrupa Araştırma ve İnovasyon Ortaklığı	Temiz Enerji Geçiş Ortaklığı- Clean Energy Transition Partnership (CETPartnership)	Smart Networks & Services		EIT Kentsel Ulaşım	Biyoçeşitliliği Kurtarmak ve Dünyadaki Yaşamı Korumak için Avrupa Ortaklığı	
European Partnership for Personalised Medicine (Kişiselleştirilmiş Tıp için Avrupa Ortaklığı)	Avrupa Raylı Sistemler Ortaklığı (Europe's Rail)	Photonics		EIT İmalat	Avrupa Hayvan Sağlığı Ortaklığı (PAH)	
Tek Sağlık/ Antimikrobiyal Direnç Avrupa Ortaklığı	Hava Trafik Yönetimi Araştırmaları Ortaklığı (SESAR3)	Key Digital Technologies		EIT Ham Maddeler	Güvenli ve Sürdürülebilir Gıda Sistemleri için Avrupa Ortaklığı	
European partnership for the assessment of risks from chemicals (PARC)	Temiz Hidrojen Ortaklığı	High Performance Computing		EIT Sağlık	Tarım sistemlerine geçiş hızlandırıcı Avrupa Ortaklığı	
European partnership on Transforming Health and Care Systems	Temiz Havacılık Ortaklığı (Clean Aviation)	European Partnership for Globally competitive Space Systems		EIT Gıda	Döngüsel Biyo-Tabanlı Avrupa için Avrupa Ortaklığı (CBE JU)	
AB-Afrika Global Sağlık Ortaklığı	Sıfır Emisyonlu Kara Yolu Ulaşımı (2Zero)	AI Data Robotics		EIT Dijital	İklim Nötr, Sürdürülebilir ve Üretken Mavi Ekonomi Ortaklığı (SBEP) Avrupa Ortaklığı	
Yenilikçi Sağlık Girişimi	Bağlantılı, Kooperatif, Otonom Mobilite (CCAM)	Clean Steel – Low Carbon Steelmaking		EIT İklim-KIC	Tarımda Veri Ortaklığı	
Nadir Hastalıklarda Avrupa Ortaklığı	Sıfır Emisyonlu Deniz Yolu Taşımacılığı Ortaklığı (ZEWI)	Processes4Planet – Transforming the European Process Industry for a sustainable society		EIT InnoEnergy		
	Avrupa Bataryalar Ortaklığı (BEPA)	Made in Europe				
	İnsan Odaklı Yapı Çevresi					

- Kurumsallaşmış Ortaklıklar (Madde 185/7)
- Kurumsallaşmış Ortaklıkları / EIT KIC yapıları
- Ortak Programlama
- Ortak Fonlama

* 2023-24 Yıllarında açılması beklenen çağrılar

** 2022'den önce açılmayacak çağrılar

https://ec.europa.eu/info/research-and-innovation/funding/funding-opportunities/funding-programmes-and-open-calls/horizon-europe/european-partnerships-horizon-europe_en

UFUK Avrupa Projelerinde Fonlama Türleri

Research and innovation: activities aiming to establish **new knowledge** and/or to **explore the feasibility** of a new or improved technology, product, process, service or solution. This may include **basic and applied research, technology development and integration, testing and validation on a small-scale prototype** in a laboratory or simulated environment

Innovation action: activities directly aimed at **producing plans and arrangements or designs for new, altered or improved products, processes or services**, possibly including prototyping, testing, demonstrating, piloting, large-scale product validation and market replication.

Innovation & market deployment: Actions embedding an innovation action and other activities necessary to **deploy an innovation in the market**, including the **scaling-up of companies**, providing Horizon Europe **blended finance** (a mix of grant-type funding and private finance)

UFUK Avrupa Projelerinde Fonlama Türleri

ERC frontier Research

Principal investigator-led research actions, hosted by single or multiple beneficiaries (ERC only)

Training and mobility

Action geared towards improvement of **skills, knowledge and career prospects of researchers** based on mobility between countries, and, if relevant, **between sectors or disciplines**.

Programme co-fund

activities may support actions directly implemented by those entities **or by third parties to whom they may provide any relevant financial support** such as grants, prizes, procurement, as well as Horizon Europe blended finance.

UFUK Avrupa Projelerinde Fonlama Türleri

Public procurement

Action with the primary aim of **realising joint or coordinated public procurement of innovative solutions** implemented by beneficiaries that are contracting authorities or contracting entities.

Coordination and support

excluding research and innovation activities, such as **standardisation, dissemination, awareness-raising and communication, networking**, coordination or support services, policy dialogues and mutual learning exercises and studies

Horizon Europe Prizes

Inducement prize: prize to spur investment in a given direction, by **specifying a target** prior to the performance of the work

Recognition prize: Prize to reward **past achievements and outstanding work** after it has been performed

Fonlama Yöntemi		Proje Kapsamı	Destek Oranı	Dolaylı Maliyet Desteği
RIA	Araştırma ve İnovasyon Eylemi	Temel araştırma ve inovasyon faaliyetleri	%100	+%25
IA	İnovasyon Eylemi	Pazara yakın, inovasyon eylemleri (demo, pilot, prototip vb.)	%100 (kar amacı güden kuruluşlar için %70)	
CSA	Koordinasyon Eylemi	Yaygınlaştırma faaliyetleri	%100	
Co-Fund	Co-fund Program Eylemi	Ar-Ge programlarının geliştirilmesi	%30-%70 arasında	
IMDA	İnovasyon ve Pazar Yayılım Eylemi	Yeniliğin pazara yayılımı faaliyetleri	%100 (kar amacı güden kuruluşlar için %70)	
TMA	Yeniliğin Pazara Yayılım Eylemi	Ülkeler arasında becerileri geliştirme ve bilgileri yayma faaliyetleri	%100	
PCP	Eğitim ve Hareketlilik Eylem	Uluslararası alıcıları güçlendirme	%100	
PPI	Ticarileşme Öncesi Tedarik Eylemi		%50	

LUMP-SUM FUNDING

Neden götürü usulü fonlama kullanıyoruz?

Finansal hata oranını azaltmak

- Programlarındaki hata oranının düşürülmesi gerektiği konusunda geniş bir fikir birliği var.
- Götürü meblağlar, Horizon Europe'da bunu başarmak için önemli bir önlemdir.

Önemli basitleştirme potansiyeli

- Götürü meblağlar, gerçek maliyetleri ve kaynakları bildirme zorunluluğunu ortadan kaldırır
- Sınırlı deneyime sahip yararlanıcılar için kullanımı daha kolay

İçeriğe odaklan

- Mali yönetime daha az, içeriğe daha çok odaklanma

POLİTİKA VE YATAY KONULAR



Open Science across the programme



Gender dimension in R&I content



Pathway to impact



Measures to maximise impact



Do no significant harm principle (DNSH)



Artificial intelligence

SPECIFIC PROGRAMME: EUROPEAN DEFENCE FUND

*Exclusive focus on
defence research
& development*

Research
actions

Development
actions

SPECIFIC PROGRAMME IMPLEMENTING HORIZON EUROPE & EIT*

Exclusive focus on civil applications



Pillar I
EXCELLENT SCIENCE

European Research Council

Marie Skłodowska-Curie

Research Infrastructures



Pillar II
GLOBAL CHALLENGES &
EUROPEAN INDUSTRIAL
COMPETITIVENESS

Clusters

- Health
- Culture, Creativity & Inclusive Society
- Civil Security for Society
- Digital, Industry & Space
- Climate, Energy & Mobility
- Food, Bioeconomy, Natural Resources, Agriculture & Environment

Joint Research Centre



Pillar III
INNOVATIVE EUROPE

European Innovation
Council

European innovation
ecosystems

European Institute of
Innovation & Technology*

WIDENING PARTICIPATION AND STRENGTHENING THE EUROPEAN RESEARCH AREA

Widening participation & spreading excellence

Reforming & Enhancing the European R&I system

Fusion

Fission

Joint
Research
Center

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

ERC – Avrupa Arařtırma Konseyi

ERC öncül (frontier) arařtırma projelerini ve bu projeleri gerçekleřtirecek olan bilim insanlarını sadece **bilimsel mükemmeliyet** kriterine göre deęerlendirerek fonlamaktadır.



Marie Skłodowska-Curie Burs ve Dolaşım Destekleri

Alanın Genel Amacı

Nitelik ve nicelik olarak araştırma ve teknoloji alanındaki insan potansiyelini güçlendirmeyi, her alan ve sektörden araştırmacıların **kariyer gelişimini** desteklemeyi, uluslararası ve sektörler arası **araştırmacı dolaşımını** teşvik etmeyi ve böylece Avrupa'yı ve Türkiye'yi araştırmacılar için bir cazibe merkezi haline getirmek

Postdoctoral Fellowships

- Bireysel başvuru
- Doktora sonrası max. 8 yıl araştırma tecrübesi
- Avrupa ve Avrupa dışında
- Kariyer odaklı burs, dolaşım ve araştırma desteği
- Yeniden başvuru kısıtı

Doctoral Networks

- Min. 3 farklı ülkeden, min. 3 katılımcı
- En az 1 AB üye ülke katılımcı şartı
- Doktora öncesi araştırmacı istihdamı
- Araştırmacılara kariyer ve maaş desteği
- Yeniden başvuru kısıtı

Marie Skłodowska-Curie Burs ve Dolaşım Destekleri

Staff Exchange

- Min. 3 farklı ülkeden, min. 3 katılımcı
- Avrupa dışındaki ülkelerden katılım şansı
- Araştırmacı, teknik ve idarî personel değişimi
- Personelin maaşına ek dolaşım ve araştırma desteği

COFUND

- Araştırma projelerine yönelik ulusal ve uluslararası burs ve destek mekanizması yürütmek isteyen kuruluşlara ek fon sağlanması

MSCA and Citizens

- Her yıl Eylül ayında tek günlük bir etkinlik
- Araştırmacıları toplumla bir araya getirmek ve bilime teşvik
- 2 senede bir çağrı / Lump-sum destek

EURAXESS: RESEARCHERS IN MOTION

Job opportunities, funding as well as personalised services, information, collaboration and training are known to be fundamental to a successful career in research.



EURAXESS – Researchers in Motion lists thousands of **research related job vacancies**, from more than 40 European countries, **internship and hosting offers**, **training resources**, as well as a wide range of **funding opportunities** at European and national level.

Araştırma Altyapıları (RI) Alanı

RI Alanının Genel Amacı

Avrupa genelinde araştırma ve inovasyon yeteneklerinin geliştirilmesini, araştırma altyapılarının inovasyon yetkinliğinin ve insan kaynağı niteliğinin artırılmasını, bilginin çoğaltılarak yayılmasını, uygulanmasını ve araştırma potansiyelinin en verimli şekilde değerlendirilmesini sağlamayı hedeflemektedir.

Ufuk Avrupa Araştırma Altyapıları alanında 5 tip aktivite bulunmaktadır:



İyi işleyen Avrupa Araştırma Düzeyi



Operasyonel, Açık ve FAIR (Bulunabilir, Erişilebilir, Birlikte Çalışabilir, Yeniden Kullanılabilir) EOSC (Avrupa Açık Bilim Bulutu) Ekosistemi Sağlama



Sağlık Araştırmalarını Desteklemek, Yeşil ve Dijital Dönüşümü Hızlandırmak ve Öncü Bilim için Araştırma Altyapı Hizmetleri



Yeni Nesil Bilimsel Araçlar, Cihazlar, Yöntemler ve Gelişmiş Dijital Çözümler



Sınır Tanımayan İşbirliği için Araştırma ve Eğitimde Ağ Bağlantısı

Araştırma Altyapıları Alanı, aşağıdaki öncelikli konulardan oluşmaktadır:

- Alanında dünya lideri **Araştırma Altyapıları geliştirmek** ve bu altyapıları câzibe merkezleri haline getirmek
- Bütünleştirici faaliyetlerle, AB üyesi ülkelerde ve Asosiye ülkelerdeki yüksek kapasiteli araştırma altyapılarına daha **geniş ve etkili uluslararası erişim ve hizmet** verilmesini sağlamak
- Kitlese İşbirliği ve **Avrupa Açık Bilim Bulutu (EOSC)** ile uyum ve mevcut altyapıların kapasite artırımı
- Bilgi İletişim Teknolojileri tabanlı **e-Altyapılarla**, tüm araştırmacıların yeni araştırma tesislerini türüne ve yerine bağılı olmaksızın, uzaktan kullanmasını sağlamak
- Altyapı **enstrümantasyonun** geliştirilmesi
- Avrupa **veri ağının terabit seviyesine** çıkarılması ve Avrupa çapında veri hızını artırmak üzere çerçeve ortaklık antlaşması üzerinden yatırım yapılması,

Küresel Sorunlar ve Endüstriyel Rekabet

Küme 1: Sağlık

Alanın Genel Amacı

Yaşam boyu sağlığın korunarak sağlıklı toplumların, sağlıklı işgücünün ve sağlık sistemlerinin desteklenmesi

Ana Başlıklar («Destinations»)

- Sağlığın korunması
- Sağlıklı çalışma ve yaşam ortamları
- Hastalıklarla mücadele
- Yenilikçi, sürdürülebilir sağlık sistemleri
- Sağlık için dijital çözüm ve teknolojiler
- Yenilikçi sağlık endüstrisi



Küme 2: Kültürel, Yaratici ve Kapsayıcı Toplular

Alanın Genel Amacı

Demokratik yönetişimin ve vatandaşların katılımının artırılması, kültürel mirasın korunması ve geliştirilmesi konularında AB hedeflerini ve önceliklerini karşılamak ve çok yönlü sosyal, ekonomik, teknolojik ve kültürel dönüşümlere yanıt vermek ve şekillendirmek.

Alanda Desteklenecek Konular

- Demokrasi ve Yönetişim Üzerine Yenilikçi Araştırmalar
- Avrupa Kültürel Mirası ve Kültürel ve Yaratici Endüstriler Üzerine Yenilikçi Araştırma
- Sosyal ve Ekonomik Dönüşümler Üzerine Yenilikçi Araştırma



Küme 3: Toplum için Sivil Güvenlik

Alanın Genel Amacı

Siber güvenlik ve afet riskini azaltma ve direnç dahil olmak üzere güvenlikle ilgili AB politika öncelikleri desteklemek

Alanda Desteklenecek Konular

- Suç ve Terör ile Mücadele
- Sınır Yönetimi
- Altyapıların korunması
- Siber güvenliğin artırılması
- Afete-dayanıklı Topluluklar
- Güvenlik araştırma ve inovasyon faaliyetlerine destek verilmesi



Küme 4: Dijital, Endüstri ve Uzay

Alanın Genel Amacı

AB endüstrisinin rekabet üstünlüğünü ve özerkliğini garantiye almak için endüstrinin daha fazla dijitalleşmesini sağlamak, iklim-nötr, döngüsel ve temiz endüstriyi teşvik etmek

Alanda Desteklenecek Konular

- Dijital kilit teknolojiler
- Veri, yapay zeka ve robotik
- Yeni nesil internet
- Uydu haberleşmesi
- Yer gözlemi
- Uzay uygulamalarının geliştirilmesi
- Uzay ulaşımı
- İmalat teknolojileri
- İleri malzemeler
- Döngüsel endüstriler
- Düşük karbonlu ve temiz endüstriler



Küme 5: İklim, Enerji ve Mobilite

Alanın Genel Amacı

- Dijital ve yeşil geçişlerin hızlandırmasını ve yönlendirmesini sağlamak;
- Güvenli gıdaya, temiz ve sağlıklı bir çevreye erişim için sürdürülebilir doğal kaynakları iyi yönetmek, çevresel bozulmayı azaltmak, biyolojik çeşitliliğin azalmasını durdurmak ve tersine çevirmek;
- Mobilite, enerji, inşaat ve üretim sistemlerini dönüştürerek Avrupa'yı ilk dijital döngüsel, iklim nötr ve sürdürülebilir ekonomi haline getirmek;
- Dirençli, kapsayıcı, demokratik bir Avrupa toplumu oluşturmak gibi stratejik önceliklere sahip hale getirilmiştir.

Alanda Desteklenecek Konular

- İklim Bilimi ve İklim Nötrlüğe Geçiş
- İklim Geçişine Yönelik Sektörler Arası Çözümler
- Sürdürülebilir, Güvenli ve Rekabetçi Enerji Arzı
- Verimli, Sürdürülebilir ve Kapsayıcı Enerji Kullanımı
- Ulaşım Modlarında Temiz ve Rekabetçi Çözümler
- Emniyetli, Dirençli, Akıllı ve Entegre Ulaşım Sistemleri



Küme 6: Gıda, Biyoekonomi, Doğal Kaynaklar, Tarım ve Çevre

Alanın Genel Amacı

Gıdanın sürdürülebilirliğinin sağlanması, çevresel bozulmanın engellenmesi, biyolojik çeşitliliğin korunması, su güvenliği ve doğal kaynakların daha iyi yönetmeyi başaran bir ekonomi

Alanda Desteklenecek Konular

- Biyoçeşitlilik
- Çevre-dostu gıda üretim sistemleri ve gıda zinciri
- Döngüsel ve biyo-ekonomi
- Temiz çevre ve atıkların önlenmesi
- Kırsal, kentsel ve kıyı toplulukların güçlendirilmesi
- Çevresel gözlem ve Yeşil Mutabakat



Yenilikçi Avrupa

EIC: Avrupa İnovasyon Konseyi

Alanın Genel Amacı

Avrupa'da yeni pazarlar yaratma ve istihdam, büyüme ve refahı artırma potansiyeline sahip yüksek riskli, **çığır açıcı inovasyonların ve teknolojilerin** oluşumunu ve ticarileşmesini desteklemek.

Alandaki Çağrı Programları

- **EIC Open Funding:** Konu güdümsüz çağrılar
 - Pathfinder Open: THS 1-4 arasındaki çok ortaklı projeler
 - Transition Open: THS 4-6 arasındaki projeler
 - Accelerator Open: THS 6-9 arasındaki KOBİ projeleri
- **EIC Strategic Challenges:** Konu güdümlü çağrılar
 - Pathfinder Challenges
 - Transition Challenges
 - Accelerator Challenges
- **EIC Prize**



EIC'de Ufuk Avrupa ile Gelen Yenilikler

- Transition projeleri
- Hızlandırıcı programında; Kısa başvuru + Tam başvuru
- Konu Gdml Çğrılar
- KOBİ'ler, Small mid-cap firmalar ve KOBİ kurma aşamasındaki bireyler de başvuru yapabilecek.
- Fast-track ve Plug-in
- Yeniden başvuru limitleri

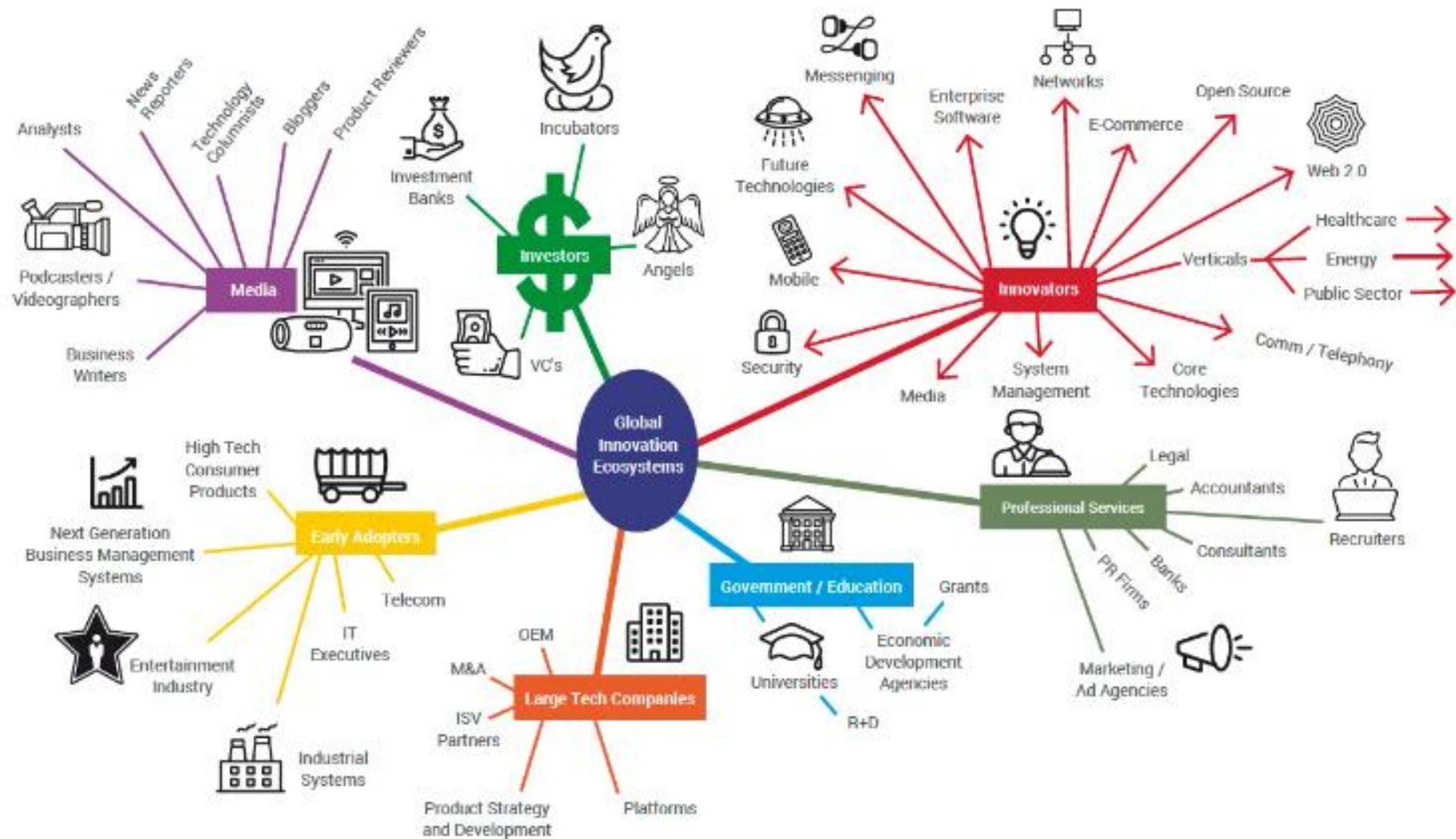
EIE: Avrupa İnovasyon Ekosistemi

Alanın Genel Amacı

Avrupa'da startup ve KOBİ'lerin ölçeklendirilmesini destekleyen ve AB çapında inovasyonu teşvik eden daha bağlantılı ve verimli inovasyon ekosistemleri yaratmayı desteklemek

Alandaki Çağrı Programları

- **CONNECT** hedefindeki çağrılar, ulusal, bölgesel ve yerel ekosistemlerin güçlü yanlarından yararlanarak bu ekosistemlerde karşılaşılan zorluklara yönelik hedefler belirlemeyi ve bu hedeflere ulaşma konusunda paydaşların katılımını teşvik etmeyi amaçlar.
- **SCALEUP** hedefindeki çağrılar, yüksek toplumsal değere sahip sürdürülebilir ekonomik büyüme için inovasyon ekosistemlerinin kendi içindeki ve birbiri arasındaki ağ bağlantısını güçlendirmeye odaklanır.
- **InnovSMEs**
Eurostars



EIT: Avrupa İnovasyon ve Teknoloji Enstitüsü

Alanın Genel Amacı

Daha girişimci bir zihniyete doğru değişimi tetiklemek için fikirden ürüne ve hizmete, öğrenci ve araştırmacıdan girişimciye, laboratuvarlardan pazara kadar olan yenilik sürecini canlandırmayı ve önemli ölçüde hızlandırmak.

EIT Yenilik Toplulukları

- **EIT İklim:** İklim değişikliğinin azaltılması ve adaptasyonunu ele alır.
- **EIT Dijital:** Bilgi ve İletişim Teknolojilerini ele alır.
- **EIT Gıda:** Avrupa'yı gıda inovasyonu ve üretiminde dünya çapında bir devrimin merkezine yerleştirmeye çalışır.
- **EIT Sağlık:** Sağlıklı yaşam ve aktif yaşlanmayı ele alır.
- **EIT İmalat:** Avrupa imalat sanayisinin rekabet yeteneğini güçlendirir ve artırır.
- **EIT InnoEnerji:** Sürdürülebilir enerjiyi ele alır.
- **EIT Kentsel Ulaşım:** Akıllı, yeşil ve entegre ulaşımı ele alır.
- **EIT Hammaddeler:** Avrupa için büyük güç sağlamaya yönelik hammadde geliştirir.



The EIT is a body of the European Union



WIDENING

Katılımın Geniřletilmesi ve Mükemmeliyetin Yayılımı

WIDENING-Katılımın Geniřletilmesi ve Mükemmeliyetin Yayılımı

Programın Amaçları:

- Çerçeve Programlarına düşük katılım gösteren, diđer ülkelere göre düşük araştırma ve yenilik performansı sergileyen ülkelerin (widening ülkeleri) **ekonomik büyümesine ve rekabet gücüne** ivme kazandırmak,
- Performansı daha düşük ülkelerin performansının artırılması, Ar-Ge ve yenilik sistemlerinin geliştirilmesi, **ulusal fonların/diđer AB fonlarının** bu yönde aktive edilmesi ve **uyum içerisinde kullanılabilmesini** sağlamak,
- Daha güçlü ve daha yüksek araştırma ve yenilik performansı sergileyen paydařlar ile widening ülkelerinde bulunan paydařlar arasında **Ar-Ge kapasite ve proje geliştirme yeteneđi farklılıklarını** azaltmaya yönelik aktif işbirliđi ađları oluřturmaktır.

WIDENING-Katılımın Genişletilmesi ve Mükemmeliyetin Yayılımı

Widening Participation and Spreading Excellence

- Teaming
- Twinning
- ERA Chairs
- COST
- Support to NCPs, pre-proposal checks and advice
- Brain circulation
- Excellence initiatives:
 - Excellence Hubs
 - European Excellence Initiative for Universities
- Hop-on

2.96 Billion €

Reforming and enhancing the European R&I system

- Scientific evidence & foresight
- Support to the ERA development
- Support to national R&I policy reform, including Policy Support Facility
- Attractive researcher careers
- Open science, citizen science and science communication
- Ethics and integrity
- Gender equality
- Support to dissemination & exploitation
- Support to international cooperation

0.44 Billion €

TEAMING

Amaç: Yeni bir **mükemmeliyet merkezi kurmaya** veya var olan bir mükemmeliyet merkezini **iyileştirmeye** yönelik faaliyetleri desteklemektedir.

Beklenen Çıktıları: Bu kapsamda Teaming projesi ile kurulacak/geliştirilecek merkezin;

- Uluslararası rekabete dayalı fonlara başvurabilmek için bilimsel kapasitesinin geliştirilmesi,
- Ar-Ge ve yenilik performansının artırılması,
- Ülkenin Ar-Ge kültürü için bir model olması,

EXCELLENCE HUBS

Amaç: Excellence Hubs çağrısının genel amacı bölgesel yenilik ekosistemleri geliřtirmektir.

Hedef Kitle: Arařtırma kurumları, firmalar, yerel/bölgesel hükümet, toplumsal aktörler, (uluslararası boyut ile yerel/bölgesel düzlem)

Proje başına destek miktarı 2-6 milyon Avro olarak belirlenmiştir.

Networks of HEIs - Capacity Building

Amaç:

- Entegre ağlar oluşturmak, gelecekteki «**Avrupa Üniversiteleri**» girişimine hazırlanmak
- İşbirliği ortamında kurumsal dönüşümün desteklenmesi

Hedef Kitle:

- Dengeli coğrafi kapsama sahip HEI (ve ilişkili ortak kuruluşlar ve işletmeler) ağları için,,
- Genişleyen ülkelerde bulunan üniversitelere, yüksek öğretim kurumlarına, bilim akademilerine, kamu kuruluşlarına destek

TWINNING

Amaç

- Widening ülkelerinde yer alan bir üniversitede veya araştırma kuruluşunda tanımlanmış bir araştırma alanını, seçilen bilimsel alanda diğer Üye Devletlerdeki veya Asosiye Ülkelerdeki en az iki önde gelen araştırma kurumuyla ilişkilendirerek güçlendirmek.
- İlgili alanda araştırma mükemmeliyetinde artış, kurumun tanınırlık, görünürlük ve stratejik ağ kurma kanallarında gelişme, idari ve araştırma yönetim personelinin eğitimi ve yaratıcılığın hareketlilik vasıtasıyla artırılması

Projelerin süresi en fazla üç yıl ve destek miktarı 0,8 - 1.5 Milyon Avro

HOP ON FACILITY

Amaç: “Widening” ülkelerinden bir katılımcıyı Ufuk Avrupa’nın 2. Bileşeni ve EIC Pathfinder çağrılarında fonlanmış ve devam eden bir projeye entegre etmeyi amaçlamaktadır. Hop-on çağrısı kapsamında değerlendirilecek olan projelerde halihazırda Widening ülkelerinden bir ortak olmaması gerekmektedir.

Widening ülkesinden projeye katılmak isteyen paydaşın proje ile tamamlayıcı, mükemmeliyeti ve katma değeri olan bir iş paketi önermesi ve tüm konsorsiyum ortaklarının yeni ortağın katılımı konusunda anlaşmaya varması gerekmektedir.

Proje başına öngörülen bütçe 0,1-0,6 Milyon Avro olarak belirlenmiştir.

ERA CHAIRS

Amaçlar: Widening ülkelerine bilimsel anlamda mükemmel bir arařtırmacı ve takımını getirmek ve bu arařtırmacının ilgili merkezdeki bilimsel faaliyetlere ve arařtırma projeleri geliřtirme kapasitesine katkı saęlamasını amaçlamaktadır.

- Ana hedefi beyin göçünü tersine çevirmek, bu kapsamda kurumsal deęişiklikler gerçekleştirerek ve mükemmeliyet noktaları oluřturmaaktır.
- ERA-Chair liderliğinde mükemmeliyete dayalı ve kalıcı arařtırma ekipleri kurmak, görünürlük saęlamak, ERA ile entegrasyon amaçlanmalıdır.

Son bařvuru tarihi **7 Mart 2024**'tür.

FOSTERING BALANCED BRAIN CIRCULATION

Amaç: Yetenekleri beslemeye ilişkin daha geniş ERA politika girişiminin bir parçası olarak Widening ülkelerine daha fazla Ar-Ge yeteneği çekmek

Hedef gruplar: Widening ülkelerindeki ev sahibi kuruluşa taşınan veya dönen araştırmacılar, girişimciler, yenilikçiler,... ve Widening Ülkelerinde bulunan ev sahibi kuruluşlar.

1. ERA Fellowships – MSCA Doktora Sonrası Bursları üzerine kurulu Widening Fellowships pilotunun devamı niteliğindedir
2. ERA Talents – Eğitim ve kariyer gelişimi için rekabetçi hibeler sağlamak, doktora kariyerlerinin çeşitliliğini teşvik etmek, çekici çalışma ve istihdam uygulamalarını yaymak

ERA TALENTS

Amaç: Araştırma ve yenilik alanlarındaki kariyer sahiplerinin çeşitli sektörlerde istihdamının kolaylaştırılması ve farklı kariyer seçeneklerinin arasındaki geçişlerin iyileştirilebilmesidir.

- Widening Ülkelerine odaklanan bir bakış açısı ile, araştırmacıların (doktora öğrencileri hariç), yenilikçilerin, ve Ar-Ge faaliyetlerini destekleyen idari ve teknik personelin sektörler arası hareketliliği desteklenecektir.

Destek Kapsamı: Bu hareketlilik kapsamındaki idari masraflar, eğitim masrafları, seyahat ve geçim masrafları, geçici görevlendirilen personel maaşları gibi masraflar karşılanacaktır.

- Çağrı, deneysel bir yaklaşım ile, özellikle Widening ülkelerininin yararına olacak şekilde, farklı kariyer sahiplerinin sektörler arası dolaşımı için en iyi uygulamaları geliştirmek amacıyla çok unsurlu ve kapsamlı bir konsorsiyum oluşturulmasını teşvik etmektedir.

ERA Politika Gündemi

ERA Policy Agenda: 20 actions along four priority areas

DEEPENING A TRULY FUNCTIONING INTERNAL MARKET FOR KNOWLEDGE

1. Open sharing of knowledge, incl. EOSC
2. Data legislation fit for research
3. Reform of research assessment
4. Strengthen research careers
5. Gender equality and inclusiveness
6. Protect academic freedom
7. Better knowledge valorisation
8. Research infrastructures
9. International cooperation, reciprocity

TOGETHER FOR TWIN GREEN AND DIGITAL TRANSITION, AND INCREASING SOCIETY'S PARTICIPATION IN THE ERA

10. R&I Missions and Partnerships for ERA
11. Green energy transformation
12. Transition of industrial ecosystems
13. Empower higher education institutions
14. Bring science closer to society



AMPLIFYING ACCESS TO RESEARCH AND INNOVATION EXCELLENCE ACROSS THE UNION

15. Regional and national R&I ecosystems
16. EU-wide access to excellence
17. Strategic capacity of public RPOs

ADVANCING CONCERTED R&I INVESTMENTS AND REFORMS

18. Coordination national support for ERA
19. ERA monitoring mechanism
20. Prioritisation and coordination of R&I investments and reforms

UFUK Avrupa Projelerinde Roller

- **Koordinatör**

- Projenin AB Komisyonu nezdindeki tek temas noktası,
- Projenin yönetiminden sorumlu kişisi/kurumu,
- İş bölümü ve proje bütçesi dağılımından sorumlu kişisi/kurumu,
- Proje çıktısının her türlü ortağıdır.

- **Ortak**

- Projenin amaçlarına ulaşması için belirli iş paketlerinden sorumlu kişi/kurum,
- Üstlendiği görevlere paralel bütçesi vardır,
- Projenin yönetiminde söz hakkı vardır,
- Proje çıktısının her türlü ortağıdır.

- **Alt Yüklenici (Subcontractor)**

- Belirli bir işi yapmakla koordinatör ve/veya ortaklar tarafından iş verilen,
- Bu işin karşılığında fatura karşılığında ödeme yapılan,
- Proje çıktılarından hiçbir hak talep edemeyen kurumdur.

Financial Support for Third Parties (FSTP)

Ufuk Avrupa'daki Tanımlar:

"Yararlanıcılar" (Beneficiaries) Hibe Anlaşmasının İmzacılarıdır (GA)

"Katılımcılar" (Participants) eyleme "yararlanıcılar", "bağlı kuruluşlar", "ilişkili ortaklar", "aynı katkılar veren üçüncü taraflar", "taşeronlar" veya "üçüncü taraflara mali destek" alıcıları olarak katılan tüzel kişilerdir.

Üçüncü taraflar, yararlanıcı olmadan bir eyleme katkıda bulunur.

(Ödemeye karşı bir yararlanıcı için aynı katkılar veya hizmetler sağlayarak)

UFUK AVRUPA PROJELERİNE KATILIM

- Funding & Tenders Portal
- TUBITAK Horizon Europe web site,
- EU Partnership Partnering Tools,
- Brokerage Events,
- Conferences and workshops
- Social Networks (Facebook, LinkedIn, Twitter vb.),
- Personal visits,
- Direct e-mail,
- EU Technology Platforms

TÜBİTAK, Türkiye'deki resmi iletişim kanalı..



Bu proje Avrupa Birliği ve Türkiye Cumhuriyeti tarafından finanse edilmektedir.



E-Bülten Kim Kimdir?

Alanlar / Kümeler

Misyonlar

Ortaklıklar

Tüm Çağrılar

TÜBİTAK Destekleri

IPA Projesi



01

Ufuk Avrupa Nedir?

THE EU RESEARCH & INNOVATION PROGRAMME 2021 - 2027

Detaya Git

ORTAK ARAMA PLATFORMU



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

English **EN**

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SEARCH FUNDING & TENDERS

HOW TO PARTICIPATE

PROJECTS & RESULTS

WORK AS AN EXPERT

SUPPORT



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Searches of partners to collaborate on this topic

40

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LEARs, Account Administrators or self-registrants can publish partner requests for open and forthcoming topics after logging into this Portal, as well as any user having an active public Person profile.

Start submission

To access the Electronic Submission Service, please click on the submission-button next to the **type of action** and the **type of model grant agreement** that corresponds to your proposal. You will then be asked to confirm your choice, as it cannot be changed in the submission system. Upon confirmation, you will be linked to the correct entry point.

To access existing draft proposals for this topic, please login to the Funding & Tenders Portal and select the My Proposals page of the My Area section.

Please select the type of your submission:

DIGITAL Simple Grants [DIGITAL-SIMPLE], DIGITAL Action Grant Budget-Based [DIGITAL-AG]

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Topic related FAQ

There are no FAQ related to this topic.

CORDIS- PROJECTS & RESULTS

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HORIZON 2020 PROJECT

CRAVEzero Cost Reduction and market Acceleration for Viable nearly zero-Energy buildings
ID: 741223

From: 1 September 2017 to: 31 August 2020

Cost optimal and nearly zero energy performance levels are principles initiated by the European Union's (EU) Energy Performance of Buildings Directive, which was recast in 2010. These will be major drivers in the construction sector in the next...

Coordinated in: Austria

Programme: H2020-EU.3.3.7., H2020-EU.3.3.1.

Last update: 5 May 2017 [Add to my booklet](#)

HORIZON 2020 PROJECT

FLOATMAST An Innovative Wind Resource Assessment Tension Leg Platform for combined Cup Anemometer and Lidar Reliable and Bankable Wind Measurements for Offshore Wind Parks
ID: 673782

From: 1 June 2015 to: 30 November 2015

The proposal is about the development of an innovative floating Tension Leg Platform (TLP) capable of conducting financeable grade wind measurements and environmental parameters measurements for offshore wind parks. Reliable and...

Coordinated in: Greece

Programme: H2020-EU.3.3., H2020-EU.2.3.1.

Last update: 24 June 2019 [Add to my booklet](#)

6 PROJECT

HY-PA Euro-Mediterranean renewable energy partnership
ID: 515951

From: 1 July 2005 to: 31 December 2006

The Mediterranean area is blessed with ample RE resources which are barely exploited today. It is therefore the purpose of the proposed Specific Support Action (SSA) to give a new impulse to the development of appropriate policies as well ...

Coordinated in: Germany

Programme: FP6-INCO

Last update: 22 January 2010 [Add to my booklet](#)

erc **Solar Energy Enabled for the World by High-resolution Imaging**

Fact Sheet Results in Brief Results

Objective

THE GOAL
We will derive new and fundamental insight in the relation between nano-scale structure and the performance of 3rd generation solar cells, and determine how to apply this in large-scale processing.

THE CHALLENGES
We currently have a superficial understanding of the correlations between structure and performance of photovoltaic heterojunctions, based on studies of small-scale devices and model systems with characterization techniques that indirectly probe their internal structure. The real structures of optimized devices have never been "seen", and in devices manufactured by large-scale processing, almost nothing is known about the formation of structures and interfaces.

THE SCIENCE
We will take a ground-breaking new approach by combining imaging techniques where state of the art is moving in time spans on the order of months, with ultrafast scattering experiments and modelling. The techniques include high resolution X-ray phase contrast and X-ray dark-field tomography, in situ small and wide angle X-ray scattering, resonant scattering and imaging and time resolved studies of charge transport and transfer. To relate our findings to device performance, we will establish full 3D models of charge generation and transport in nano-structured solar cells.

THE FOCUS
Solution cast solar cells is the only technology that promises fast and cheap industrial scaling, and it is consequently the focus of our efforts. They require a tight control of processing conditions to ensure that the proper nano-structure is formed in the photoactive layers, with optimal contacts to charge transport layers and interfaces. The prime contenders are non-toxic polymer and kesterite solar cells.

THE IMPACT
Our results may advance 3rd generation, solution-cast solar cells to meet the "uniflodon challenge" where high efficiency, stability and cheap processing combines in a single technology, scalable to the level of gigawatts per day, thus becoming a centrepiece in global energy supply.

Field of science
social sciences/social and economic geography/transport
engineering and technology/environmental engineering/energy and fuels/renewable energy/solar energy
natural sciences/computer and information sciences/internet/transport layer

Programme(s)
H2020-EU.1.1. - EXCELLENT SCIENCE - European Research Council (ERC)

Topic(s)
ERC-CoG-2015 - ERC Consolidator Grant

Call for proposal
ERC-2015-CoG
[See other projects for this call](#)

Funding Scheme
ERC-CoG - Consolidator Grant

Project Information

SEEWHI
Grant agreement ID: 661661

Status
Ongoing project

Start date 1 May 2016 **End date** 31 October 2021

Funded under
H2020-EU.1.1.

Overall budget
€ 2 000 000

EU contribution
€ 2 000 000

Hosted by
DANMARKS TEKNISKE UNIVERSITET
Denmark

This project is featured in...

RESULTS PACK
Frontier research for the Green Deal: Driving forward Europe's climate ambitions through innovation and transformation

20 November 2020

Enterprise Europe Network (EEN)



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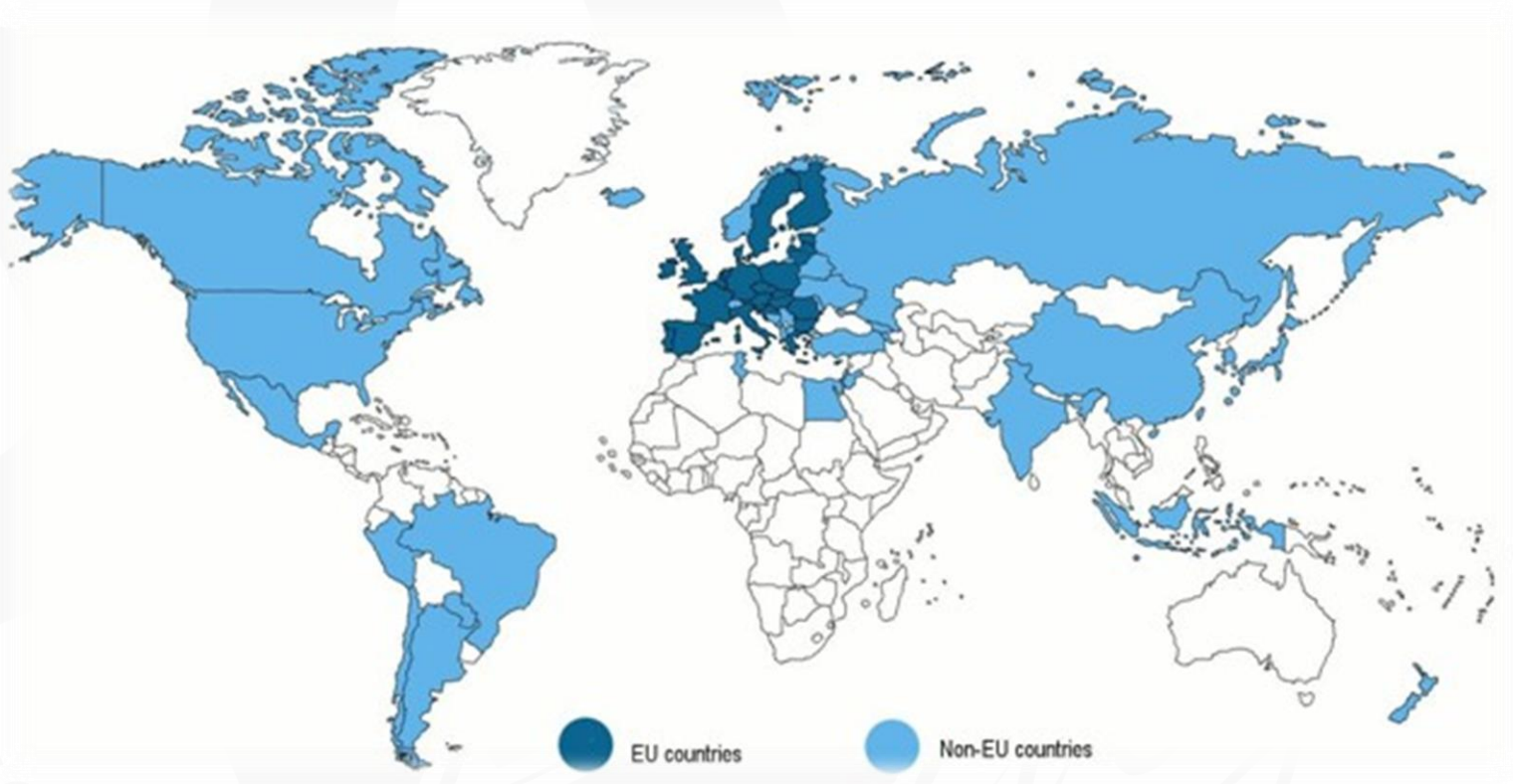
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<https://een.ec.europa.eu/>

Enterprise Europe Network



64 ülke , **600** merkez, **>20 Milyon** firma, üniversite ve arařtırmacı

Dünya'nın en büyük ticari, teknolojik ve arařtırma işbirliđi ađı



Sustainability

We guide companies in their transition to more sustainable business models



EU Single market

We help businesses navigate EU legislations, policies and benefit from the opportunities offered by the Single Market



Digitalisation

We help SMEs tailor digital solutions to their business needs



Innovation

We enhance businesses' potential to innovate, grow and develop disruptive products



Business Partnering

We match companies with the right business partners



Resilience

We empower SMEs by building up their business agility and resilience to future challenges



Internationalisation

We support businesses to enter international markets and to seize new commercial opportunities



Access to finance

We help you identify sources of finance and ensure your business is investor ready



Access to EU funding programmes

We identify EU funding opportunities that suit your business' needs and help you apply

EEN-Türkiye



EEN Ortak Arama



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Type of profile (1)

- Business Offer
- Business request
- Technology offer
- Technology request
- Research & Development Request

Type of partner

Select Type of partner...

Type of partnership

Select Type of partnership...

Stage of development



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1 - 10 of 83 profile(s) found

Research & Development Request RDRAT20221214021

PS: Partners sought for a Eureka 2022 Xecs Call



Austria published 8 days ago

Research & Development Request RDRIT20221213028

The Italian National Dance Foundation seeks partners willing to work on dance, urban spaces and local communities for participating in the call for proposal Creative Europe - European Cooperation projects



Italy published 9 days ago

Research & Development Request RDRFI20221128030

A Finnish biotech company is looking for partners for Fungal Fermentation & Live Culture Formulation funding projects, including

CrowdHelix



Search CrowdHelix

Opportunities

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Contact



March 01, 2023

June 01, 2023



Project Type
Transnational Project

Delete



Eric Struyf for Global Change Ecology,
Universiteit Antwerpen

4 gün önce in Energy, Mission Climate, Water



Open for participation in bid for upcoming call
on "Demonstration of sustainable wave energy
farms"

Project Proposal

Can act as:

Work Package Leader

Consortium Partner



EMMANOUIL TSANTAKIS for ETAM
4 gün önce in Heritage & Culture



Offering expertise for HE call on Fostering
socio-economic development and job creation
in rural and remote areas through cultural
tourism

Project Proposal

Can act as:

Work Package Leader

Consortium Partner

Seeking expertise:

Rural development

Cultural tourism



su

BİLGİ GÜNLERİ VE PROJE PAZARLARI

Horizon Europe - ERA Brokerage Event 2023
December 19, 2022

Home Participants Marketplace Agenda [Login](#) Registration closed

Post event long-term registration and matchmaking
Deadline:
17th February 2023



19 December 2022

Horizon Europe - ERA Brokerage Event 2023

Home Presentations ERA Call Topics 2023 How it works FAQ Contact

Horizon Europe - ERA Brokerage Event 2023

The network of National Contact Points for Widening participation and strengthening the European Research Area (WIDERA), NCP_WIDERA.NET, invites you to a virtual Brokerage Event for the ERA Call 2023.

The ERA Brokerage Event will take place on 19th December 2022. It will be an opportunity for matchmaking with other potential ERA calls 2023 participants and stakeholders through pre-arranged, bilateral meetings to identify possible collaborations and facilitate the setup of Horizon Europe ERA project consortia.

Participants will enter profiles, including search terms comprising the ERA call titles of 2023 (please check the ERA call topics here).

The ERA Brokerage Event is dedicated to the ERA 2023 call topics included in the WIDERA Work Programme 2023-2024. The target groups are ERA stakeholders looking for project partners/consortia.

Participation is free of charge, and registration is mandatory.

The ERA Brokerage Event builds on the Horizon Europe Info day

REGISTRATION
Closed since 17 February 2023

ORGANISED BY



Horizon Europe - ERA Brokerage event 2023

December 19, 2022

Horizon Europe - ERA Brokerage Event 2023
December 19, 2022

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Participants

Relevance

PERSON ORGANIZATION

264 Participants found

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ORGANIZATION TYPES

AREAS OF ACTIVITIES

COUNTRIES

PROJECT ROLE

PC Peter Cuninka
Director of the Project Centre
BRATISLAVA, SLOVAKIA
Slovak University of Technology in Bratislava >

EP Emanuela Porru
technologist
CAGLIARI, ITALY
University of Cagliari - Research and Territory Division >

SB Sinem Bağçe
Project Manager
ISTANBUL, TURKEY
Acibadem University >

SD Stefania Della Corte
Research advisor
BOLOGNA, ITALY
Alma Mater Studiorum - Università di Bologna >

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Marketplace

27 Opportunities found

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PROJECT COOPERATION (27)

PROJECT COOPERATION

February 07, 2023

Innovative Lebanese Social Enterprise working in digital transformation an...

We are Siren Analytics <https://www.sirenanalytics.com/> an innovative Lebanese social enterprise accelerating digital transformation of organizations by developing scalable and forward-thinking prod...

ERA-01-11: Research ethics for environmental and climate technologies +4

JB Jennifer Birch
Senior Consultant at Siren Analytics
Birmingham, United Kingdom

PROJECT COOPERATION

December 23, 2022

Expertise offer on China studies

Ca' Foscari University through the Department of Asian and North African Studies and the Department of Linguistics and Comparative Cultural Studies offers a broad knowledge on China - on its language, ...

+1

IP Ilaria PITTON
Research Facilitator at Ca' Foscari University in Venice
Venice, Italy

PROJECT COOPERATION

December 19, 2022

Call me Human

While the biological features identifying Human species are quite well know and recognised, the definition of Human being is far less unique and commonly accepted. Nonetheless, it has always bee...

+1

MD Maurizio Dabbicco
Professor at Università degli Studi di Bari

TEKNOLOJİ PLATFORMLARI



<https://ufukavrupa.org.tr/tr/destekler/aglara-uyelik-destegi>

ORTAKLIK İÇİN ARAŞTIRMACI PROFİLİ OLUŞTURMA

En fazla 1 sayfa;

- Araştırma alanını,
- Proje çıktılarını,
- Geçmiş tecrübelerini ve proje deneyimini,
- Proje ekibi ve laboratuvarın özelliklerini ve üstünlüklerini,
- İlgili çağrı özelinde sunabileceği uzmanlık ve faaliyetlerini

anlatan, iyi bir İngilizce ile yazılmış araştırmacı profili.

TÜBİTAK DESTEK VE ÖDÜL PROGRAMLARI



COST AKSİYONU TEŞVİK ÖDÜLÜ



EŞİK ÜSTÜ ÖDÜLÜ



MARİE SKŁODOWSKA-CURİE
PROJE ÖN DEĞERLENDİRME
DESTEĞİ



ERC BAŞ ARAŞTIRMACI
GELİŞTİRME PROGRAMI



SEYAHAT DESTEĞİ PROGRAMI



YABANCI ARAŞTIRMACI
SEYAHAT DESTEĞİ



KOORDİNATÖRLÜĞÜ
DESTEKLEME PROGRAMI



AĞLARA ÜYELİK DESTEĞİ

<https://ufukavrupa.org.tr/tr/tubitak-destekleri>

KOORDİNATÖRLÜĞÜ DESTEKLEME PROGRAMI

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Kurma Amaçlı
Seyahat Desteği

Konsorsiyum
Kurma Amaçlı
Organizasyon
Desteği

Proje Yazma-
Sunma Eğitimi
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Dear Experts, please note that the EU institutions will be closed during the Christmas period from Friday the 23rd of December 2022 to Monday the 2nd of January 2023 inclusive. During that time, there may be no one available to respond to your queries, to process payment requests or to validate Legal Entity and Bank Account files. This may affect the processing of payment requests in particular, although we will do our best to minimise the impact. Thank you in advance for your understanding.

Find calls for proposals and tenders

Search calls for proposals and tenders by keywords, programmes...

Search

EU Programmes

Asylum, Migration and Integration Fund (AMIF)	Border Management and Visa Instrument (BMVI)	Citizens, Equality, Rights and Values Programme (CERV)	Connecting Europe Facility (CEF)	Creative Europe Programme (CREA)	Customs Control Equipment Instrument (CCEI)
Customs Programme (CUST)	Digital Europe Programme (DIGITAL)	Erasmus+ Programme (ERASMUS)	EU Anti-fraud Programme (EUAF)	EU External Action (RELEX)	EU4Health Programme (EU4H)
Euratom Research and Training Programme (EURATOM)	Europe Direct (ED)	European Defence Fund (EDF)	European Maritime, Fisheries and Aquaculture Fund (EMFAF)	European Parliament (EP)	European Social Fund + (ESF)
European Solidarity Corps	Fiscalis Programme (FISC)	Horizon Europe (HORIZON)	Information Measures for the	Innovation Fund	Internal Security Fund (ISF)

News

15 Dec, 2022

Reminder about the upcoming CEF Transport calls

There are few days left to finish your application in response to any of the 9 CEF Transport calls for proposals, closing on 18 January 2023 at 17:00. In total,...

15 Dec, 2022

IMREG Work Programme 2022

Please note that there was a change in the link to the IMREG Work Programme 2022. The new link is https://ec.europa.eu/regional_policy/sources/whats-new/tende...

12 Dec, 2022

Now open: public consultation on the past, present and future of the European Research & Innovation Framework programmes 2014-2027

On 1 December, the European Commission launched the public consultation, which collects inputs that will be used for the ex-post evaluation of Horizon 2020, the...

[All news >](#)

Events

Online information session: Centres of Vocational Excellence 2023

27 Jan 2023 12:00

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validate Legal Entity and Bank Account...

Key steps

Reference documents

Participant register

Partner search

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Find calls for proposals and tenders

Horizon4Ukraine

Brexit info

Report fraud

Search calls for proposals and tenders by keywords, programmes...

Search

EU Programmes

Asylum, Migration and
Integration Fund (AMIF)

Border Management and
Visa Instrument (BMVI)

Citizens, Equality, Rights and
Values Programme (CERV)

Connecting Europe Facility
(CEF)

Creative Europe Programme
(CREA)

Customs Control Equipment
Instrument (CCEI)

Customs Programme (CUST)

Digital Europe Programme
(DIGITAL)

Erasmus+ Programme
(ERASMUS)

EU Anti-fraud Programme
(EUAF)

EU External Action (RELEX)

EU4Health Programme
(EU4H)

Euratom Research and
Training Programme
(EURATOM)

Europe Direct (ED)

European Defence Fund
(EDF)

European Maritime, Fisheries
and Aquaculture Fund
(EMFAF)

European Parliament (EP)

European Social Fund + (ESF)

European Solidarity Corps

Fiscalis Programme (FISC)

Horizon Europe (HORIZON)

Information Measures for the

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The participant register is now multilingual! Select your preferred language from the top right corner of the Portal.

Participant Register

Need help?

If you want to participate in a call for proposals or in a call for tenders with eSubmission, your organisation needs to be registered and have a 9-digit Participant Identification Code (PIC). Please quote your PIC in all correspondence with the Commission.

The register contains all participants of EU programmes.

Is your organisation already registered? PIC search

Please check whether your organisation has already been registered. If so, no need to register it again.

Search a PIC

Register your organisation

To register your organisation or as a natural person, you need to login into the Portal or, if you are a new user, create your account.

Check what information you need to register in the Online Manual - and keep it to hand during the registration procedure. To start registration, click on the button below.

Register your organisation

You can suspend the registration process at any time: the data entered can be saved as draft and you can continue your registration later. To return

CHECK YOUR PIC NUMBER!



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Find a registered organisation

You may enter a (complete or partial) organisation name (e.g. "Oxford" or "University of Oxford") and optionally select a country.

You cannot search by country only. Organisation names are in English or in the national language.

Name*:

Country:

Advanced search



Search organisation

Clear filters

Results: 0



Search..

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- HOW TO PARTICIPATE
- PROJECTS & RESULTS
- WORK AS AN EXPERT
- SUPPORT

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- My Project(s)
- My Formal Notification(s)
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Participant 's Register

 Need help?




Identification

Legal name *	<input type="text" value="Legal name"/>	240
Registration country *	<input type="text" value="Registration country"/>	⌵
Registration number *	<input type="text" value="Registration number"/>	50
VAT number *	<input type="text" value="VAT number"/>	20
Website *	<input type="text" value="Website"/>	500

not applicable

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EU Programmes

News

16 Feb, 2023

The Funding & Tenders portal from a client's perspective

A new report sums up feedback from the first round of consultations with clients of the European Commission's funding platform. The team behind the Portal carri...

07 Feb, 2023

Horizon Europe (HORIZON)

clear filter

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Type your Keywords...



Match whole words only

GRANTS

TENDERS

Submission status

Forthcoming (370)

Open for submission (453)

Closed

Programming period

2021 - 2027 (823)

Horizon Europe (HORIZON)

Programme part

Select a Programme part...

Funding and tenders (823)

Need help?



Sort by:

Submission status

ERC PROOF OF CONCEPT GRANTS

ERC-2023-POC

Call for proposal

Grant

Programme Horizon Europe (HORIZON)
Type of action HORIZON ERC Proof of Concept Grants
Opening date 20 October 2022

Status Open for submission
Deadline model multiple cut-off
Next deadline 20 April 2023 17:00:00 Brussels time

MSCA Staff Exchanges 2022

HORIZON-MSCA-2022-SE-01-01

Call for proposal

Grant

Programme Horizon Europe (HORIZON)
Type of action HORIZON TMA MSCA Staff Exchanges
Opening date 06 October 2022

Status Open for submission
Deadline model single-stage
Deadline date 08 March 2023 17:00:00 Brussels time

CASSINI Prize for digital space applications

HORIZON-EUSPA-2022-MARITIME-PRIZE

Call for proposal

Grant

Pandemic preparedness and response: Broad spectrum anti-viral therapeutics for infectious diseases with epidemic potential

TOPIC ID: HORIZON-HLTH-2023-DISEASE-03-04

Grant

General information[Topic description](#)[Destination](#)[Conditions and documents](#)[Partner search announcements](#)[Submission service](#)[Topic related FAQ](#)[Get support](#)[Call updates](#)[Go back](#)**General information**

Programme

Horizon Europe Framework Programme (HORIZON)

Call

Tackling diseases (Single stage - 2023) (HORIZON-HLTH-2023-DISEASE-03)[See budget overview](#)

Type of action

HORIZON-RIA HORIZON Research and Innovation Actions

Type of MGA

HORIZON Action Grant Budget-Based [HORIZON-AG][Open for submission](#)

Deadline model

single-stage

Opening date

12 January 2023

Deadline date

13 April 2023 17:00:00 Brussels time**Topic description**

ExpectedOutcome:

This topic aims at supporting activities that are enabling or contributing to one or several expected impacts of destination 3 "Tackling diseases and reducing disease burden". To that end, proposals under this topic should aim for delivering results that are directed, tailored towards and contributing to all of the following expected outcomes:

- The scientific and clinical communities have an increased knowledge on viruses with epidemic potential and in particular a better understanding of different potential mechanisms of action for the development of broad-spectrum anti-viral

Pandemic preparedness and response: Broad spectrum anti-viral therapeutics for infectious diseases with epidemic potential

TOPIC ID: HORIZON-HLTH-2023-DISEASE-03-04

Grant

General information

[Topic description](#)

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Programme

Horizon Europe Framework Programme (HORIZON)

Call

Tackling diseases (Single stage - 2023) (HORIZON-HLTH-2023-DISEASE-03)

[See budget overview](#)

Type of action

HORIZON-RIA HORIZON Research and Innovation Actions

Type of MGA

HORIZON Action Grant Budget-Based [HORIZON-AG]

[Open for submission](#)

Deadline model

single-stage

Opening date

12 January 2023

Deadline date

13 April 2023 17:00:00 Brussels time

Start submission

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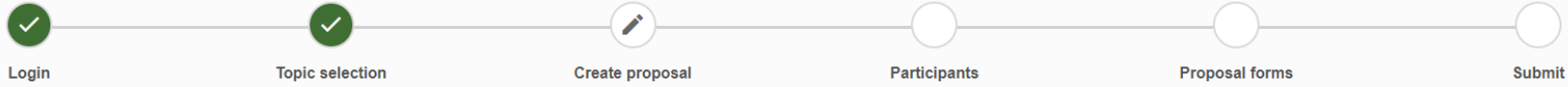
To access existing draft proposals for this topic, please login to the Funding & Tenders Portal and select the My Proposals page of the My Area section.

Please select the type of your submission:

HORIZON Research and Innovation Actions [HORIZON-RIA], HORIZON Action Grant Budget-Based [HORIZON-AG]

[Start submission](#)

[Need help?](#)




Create proposal

Deadline
13 April 2023 17:00:00 Brussels Local Time

47 days left until closure

Call data

Call: **HORIZON-HLTH-2023-DISEASE-03**
Topic: **HORIZON-HLTH-2023-DISEASE-03-04**
Type of action: **HORIZON-RIA**
Type of MGA: **HORIZON-AG**

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


Download Part B templates

 Download part B templates



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.

Find your organisation

PIC  *
Short name  *

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

PIC: 906758620
IZMIR BIOMEDICINE AND GENOME CENTER
MITHATPASA CAD. NO:58/5 BALCOVA
IZMIR,TR
VAT: TR4830541384

PIC: 906428044
SABANCI UNIVERSITY NANOTECHNOLOGY
RESEARCH AND APPLICATION CENTER
ORTA MAH UNIVERSITE CD 27/1
ISTANBUL,TR
VAT: TR7360955929

PIC: 891096127
BC PARTNERING DANISMANLIK
ORGANIZASYON VE EGITIM LIMITED SIRKETI
Mansuroglu Mah. 286/3 SK. NO:14 B BAYRAKLI
IZMIR,TR
VAT: 1601572242

Your role

Please indicate your role in this proposal *

- Main contact
 Contact person

Your proposal

It will appear also in the "General Information" section of the Application Form Part A and can also be updated there.

Acronym *

Short Summary *



Participants



Deadline

13 April 2023 17:00:00 Brussels Local Time

47 days left until closure

Call data

Call: HORIZON-HLTH-2023-DISEASE-03

Topic: HORIZON-HLTH-2023-DISEASE-03-04

Type of action: HORIZON-RIA

Type of MGA: HORIZON-AG



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

Proposal data

Acronym: xxx

Draft ID: SEP-210934286

Download Part B templates



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Support & Helpdesk



In this step, the coordinator can manage and review the participants.



Note: The changes will be applied only after you click the "Save Changes" button.



Call requires at least 3 participant(s) from different EU member states and associated countries, currently you have 1.

Number of participants: 1 Reorder 

Coordinator

BC PARTNERING DANISMANLIK ORGANIZASYON VE EGITIM LIMITED SIRKETI



BC PARTNERING DANISMANLIK ORGANIZASYON VE EGITIM LI...

Contacts: Add contact Add Affiliated Entity 

Main contact

Beliz OZUT




BC PARTNERING DANISMANLIK ORGANIZASYON VE EGITIM LIMITED SIRKETI

IZMIR, TR

PIC: 891096127

Change organisation

Contact organisation


Add Partner Add Associated partner 

SAVE

SAVE AND GO TO NEXT STEP

NEXT


Proposal forms

 **Deadline**
13 April 2023 17:00:00 Brussels Local Time

47 days left until closure

Call data


Call: **HORIZON-HLTH-2023-DISEASE-03**
Topic: **HORIZON-HLTH-2023-DISEASE-03-04**
Type of action: **HORIZON-RIA**
Type of MGA: **HORIZON-AG**


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


Proposal data


Acronym: **xxx**
Draft ID: **SEP-210934286**

Download Part B templates


 Download part B templates

In this step you can edit the Administrative Forms and upload the proposal and its annexes. You may return to this step from the 'My Proposals' section of the Funding & Tenders Portal. 


 Submit your proposal as early in the process as possible - you can update and resubmit an improved version many times before the call closure.
Submitting a proposal will overwrite any previous versions of this same proposal - this process is irreversible.
Any changes made to the proposal will not be available to the European Commission service unless resubmitted before the call closure.

 Your proposal contains changes that have not yet been submitted.


Administrative forms (Part A)

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 *



Upload 

Clinical Studies Annex



Upload 

Ethics Annex



Upload 



Administrative forms

Proposal ID **SEP-210934286**

Acronym **xxx**

1 - General information



Fields marked * are mandatory to fill.

Topic	HORIZON-HLTH-2023-DISEASE-03-04	Type of Action	HORIZON-RIA
Call	HORIZON-HLTH-2023-DISEASE-03	Type of Model Grant Agreement	HORIZON-AG

Acronym * **xxx**

Proposal title * **Max 200 characters (with spaces). Must be understandable for non-specialists in your field.**
Note that for technical reasons, the following characters are not accepted in the Proposal Title and will be removed: < > " &

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

Fixed keyword 1 **Word or words that best describe(s) the subject of your project.**

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

Abstract *



xxx

Declarations



Field(s) marked * are mandatory to fill.

- 1) We declare to have the explicit consent of all applicants on their participation and on the content of this proposal. *
- 2) We confirm that the information contained in this proposal is correct and complete and that none of the project activities have started before the proposal was submitted (unless explicitly authorised in the call conditions).
- 3) We declare:
 - to be fully compliant with the eligibility criteria set out in the call
 - not to be subject to any exclusion grounds under the [EU Financial Regulation 2018/1046](#)
 - to have the financial and operational capacity to carry out the proposed project.
- 4) We acknowledge that all communication will be made through the Funding & Tenders Portal electronic exchange system and that access and use of this system is subject to the [Funding & Tenders Portal Terms and Conditions](#).
- 5) We have read, understood and accepted the [Funding & Tenders Portal Terms & Conditions](#) and [Privacy Statement](#) that set out the conditions of use of the Portal and the scope, purposes, retention periods, etc. for the processing of personal data of all data subjects whose data we communicate for the purpose of the application, evaluation, award and subsequent management of our grant, prizes and contracts (including financial transactions and audits).

The coordinator is only responsible for the information relating to their own organisation. Each applicant remains responsible for the information declared for their organisation. If the proposal is retained for EU funding, they will all be required to sign a declaration of honour.

False statements or incorrect information may lead to administrative sanctions under the EU Financial Regulation.

- Proje Teklifinin Kısa Adı (Acronym)
- Proje Başlığı (Proposal Title)
- Proje Süresi (Duration in months)
- Anahtar kelimeler (Free Keywords)
- Proje Özeti (Abstract)
- Beyan (Declarations)
- Proje Ortakları Listesi (List of Participants)

Organisation data

[?](#)

PIC

891096127

Legal name

BC PARTNERING DANISMANLIK ORGANIZASYON VE EGITIM LIMITED SIRKETI

Short name: BC PARTNERING DANISMANLIK ORGANIZASYON VE EGITIM LIMITED SIRKETI

Address

Street Mansuroglu Mah. 286/3 SK. NO:14 B BAYRAKL

Town IZMIR

Postcode 35030

Country Turkey

Webpage

Specific Legal Statuses

[?](#)

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

Application forms

Proposal ID SEP-210915349

Acronym xxx

Short name BC PARTNERING DANISMANLIK ORGANI

Departments carrying out the proposed work

[Add a Department](#)[?](#)

Department 1

Department name *Name of the department/institute carrying out the work.* not applicable

Same as proposing organisation's address

Street *Please enter street name and number.*

Town *Please enter the name of the town.*

Postcode *Area code.*

Country *Please select a country* ▼

Researchers involved in the proposal

Title	First Name	Last Name	Gender	Nationality	E-mail	Career Stage ?	Role of researcher (in the project)	Reference Identifier	Type of identifier	Add
▼			▼	▼		▼	▼		▼	Remove

Role of participating organisation in the project

- Project management
- Communication, dissemination and engagement
- Provision of research and technology infrastructure
- Co-definition of research and market needs
- Civil society representative
- Policy maker or regulator, incl. standardisation body
- Research performer
- Technology developer
- Testing/validation of approaches and ideas
- Prototyping and demonstration
- IPR management incl. technology transfer
- Public procurer of results
- Private buyer of results
- Finance provider (public or private)

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 (Max 500 characters)	Add
▼		

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 (Max 500 characters)	Add

Description of any significant infrastructure and/or any major items of technical equipment, relevant to the proposed work.

Name of infrastructure of equipment	Short description (Max 300 characters)	Add

Gender Equality Plan ?

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

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

- **Publication:** formal document published on the institution's website and signed by the top management
- **Dedicated resources:** commitment of human resources and gender expertise to implement it.
- **Data collection and monitoring:** sex/gender disaggregated data on personnel (and students for establishments concerned) and annual reporting based on indicators.
- **Training:** Awareness raising/trainings on gender equality and unconscious gender biases for staff and decision-makers.
- **Content-wise, recommended areas to be covered** and addressed via concrete measures and targets are:
 - 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.

4 - Other questions

Ethics Issues Table ?

1. Human embryonic stem cells and human embryos		Page
Does this activity involve human embryonic stem cells (hESCs)?	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Does this activity involve the use of human embryos?	<input type="radio"/> Yes <input checked="" type="radio"/> No	
2. Humans		Page
Does this activity involve human participants?	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Does this activity involve interventions (physical also including imaging technology, behavioural treatments, tracking and tracing etc.) on the study participants?	<input type="radio"/> Yes <input checked="" type="radio"/> No	
3. Human cells / tissues		Page
Does this activity involve the use of human cells or tissues (not covered by section 1)?	<input type="radio"/> Yes <input checked="" type="radio"/> No	
4. Personal data		Page
Does this activity involve processing of personal data?	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Does this activity involve further processing of previously collected personal data (including use of preexisting data sets or sources, merging existing data sets)?	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Is it planned to export personal data from the EU to non-EU countries?	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Is it planned to import personal data from non-EU countries into the EU or from a non-EU country to another non-EU country?	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Does this activity involve the processing of personal data related to criminal convictions or offences?	<input type="radio"/> Yes <input checked="" type="radio"/> No	

Ethics Self-Assessment ?

Ethical dimension of the objectives, methodology and likely impact

Explain in detail the identified issues in relation to:

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

Remaining characters 5000

Compliance with ethical principles and relevant legislation

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

[Table of contents](#)

[Validate form](#)

[Save form](#)

[Save & exit form](#)

Security issues table ?

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

Security self-assessment ?

Please specify: (Maximum number of characters allowed: 5000)

Program

1 Mayıs 2022, 10.00-16.00

- Ufuk Avrupa Programı Genel Bilgilendirme
- Ufuk Avrupa Programı Ana Sütunları ve Bileşenleri
- Finansman Türleri ve Proje Tipleri
- ECAS Sisteminin Tanıtılması ve Profil Oluşturulması
- Ufuk Avrupa Mali ve Finansal Süreçler
- TÜBİTAK AB Çerçeve Destek ve Ödül Programları

2 Mayıs 2022, 10.00-16.00

- Funding & Tenders Portal'ın incelenmesi, çağrılara erişim
- Ufuk Avrupa Proje Başvuru Dokümanının İncelenmesi
- Proje Başvuru Süreçleri
- Proje Değerlendirme Süreçleri
- Ufuk Avrupa hakemlik süreçleri

IMPACT-DRIVEN FRAMEWORK PROGRAMME



KEY STRATEGIC ORIENTATIONS FOR RESEARCH & INNOVATION

In response to the political priorities and recovery plan of the Union, the following four key strategic orientations for EU research and innovation have been defined for the period 2021-2024:

- **Promoting an open strategic autonomy by leading the development of key digital, enabling and emerging technologies, sectors and value chains** to accelerate and steer the digital and green transitions through human-centred technologies and innovations;
- **Restoring Europe's ecosystems and biodiversity, and managing sustainably natural resources** to ensure food security and a clean and healthy environment;
- **Making Europe the first digitally enabled circular, climate-neutral and sustainable economy** through the transformation of its mobility, energy, construction and production systems;
- **Creating a more resilient, inclusive and democratic European society**, prepared and responsive to threats and disasters, addressing inequalities and providing high-quality health care, and empowering all citizens to act in the green and digital transitions.

A. PROMOTING AN OPEN STRATEGIC AUTONOMY BY LEADING THE DEVELOPMENT OF KEY DIGITAL, ENABLING AND EMERGING TECHNOLOGIES, SECTORS AND VALUE CHAINS to accelerate and steer the digital and green transitions through human-centred technologies and innovations.

The COVID-19 pandemic and its consequences for our lives and economies have highlighted the importance of digitalisation across all areas of EU society and economy. New technologies have kept our businesses and public services running and our family and social bonds flowing. Already today, the data economy lies at the heart of innovation and job creation⁸. The European Union has the ambition of empowering European citizens with digital solutions rooted in our common values and enriching the lives of all of us. Horizon Europe will help shape innovative technologies and solutions for healthcare, cultural heritage, critical infrastructure protection, cybersecurity and data protection, the improvement of skills and inclusive growth and jobs. Businesses need technologies and solutions that enable them to start up, scale up, pool and use data, innovate and compete or cooperate on fair terms.

⁸ See [a European strategy for data](#)



Horizon Europe will help secure the open strategic autonomy of Europe and its global leadership in digital and emerging enabling technologies. Europe will become more resilient and independent through investments in strategic parts of the digital and other key supply chains and by supporting the development and uptake of new technologies and the green and digital transformation of industrial ecosystems, diversifying our key supply chains, supporting technological sovereignty where it matters and keeping the flow of innovation going. The digital and green transitions provide also a unique opportunity to decouple resource use (water, land, biodiversity, materials, energy) and emissions such as greenhouse gases (GHG) and pollutants from socio-economic development and growth.

- #### IMPACT AREAS
- A competitive and secure data-economy
 - Industrial leadership in key and emerging technologies that work for people
 - Secure and cybersecure digital technology
 - High quality digital services for all

Five clusters will contribute in particular to this orientation and accelerate and steer the digital and green transitions, enriching the lives of all European citizens through novel digital technologies rooted in our common values.

CLUSTER 1 (Health) will increase Europe's autonomy in delivering health care by contributing to safer, trusted, more effective and efficient, affordable and cost-effective tools, technologies and digital solutions for improved (personalised) health promotion and disease prevention, diagnosis, treatment and monitoring for better health outcomes and well-being, by integrating people in the design and decision-making, based on expected health outcomes and potential risks involved. It will also contribute to a health-related industry in the EU that is more competitive and sustainable, ensuring European leadership in breakthrough health technologies and open strategic autonomy in essential medical supplies and digital technologies, contributing to job creation and economic growth, in particular Small and Medium-sized Enterprises (SMEs).

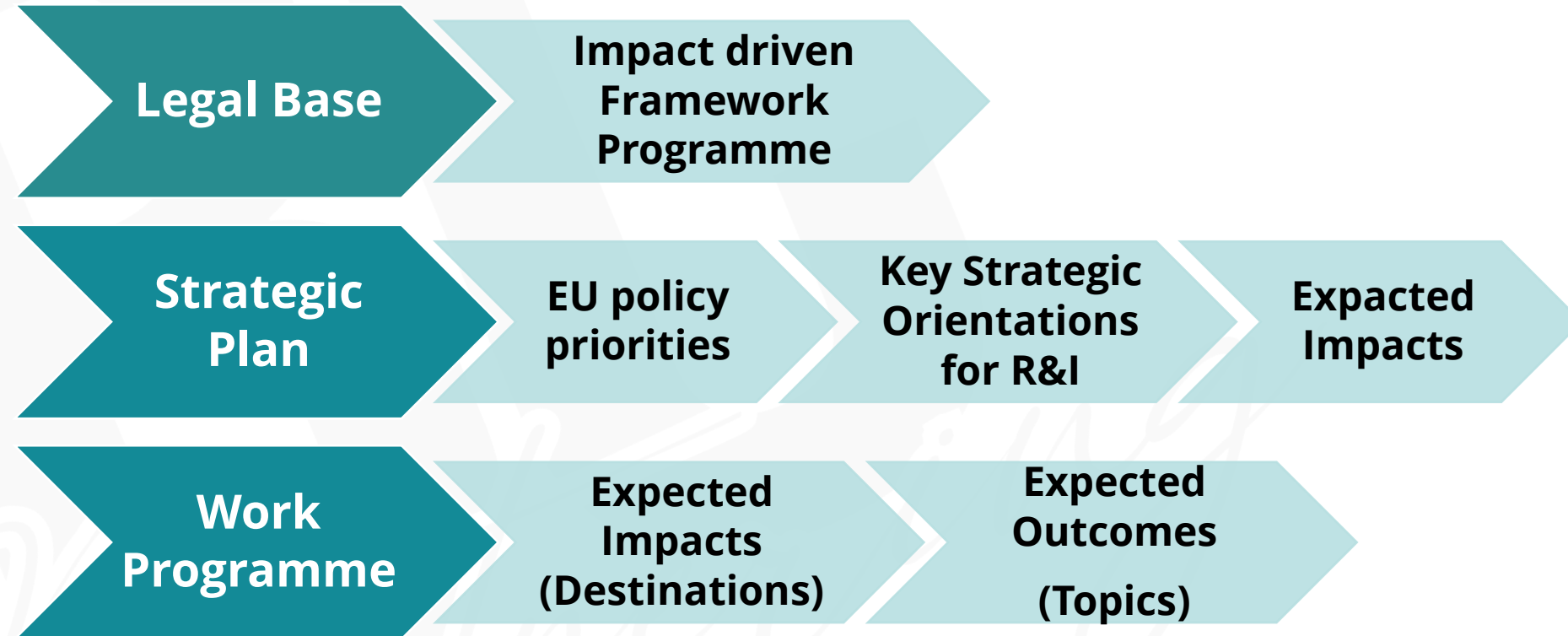
CLUSTER 2 (Culture, Creativity and Inclusive Society) will support sustainable innovation, job creation, improved working conditions and a European sense of belonging through a continuous engagement with society, citizens, social partners and economic sectors. It will assist in the transition to new forms of work, ensuring the social inclusiveness of such transformations and attracting, protecting and retaining a skilled workforce. It will also tap into the full potential of cultural heritage, arts and cultural and creative sectors and industries. Research and innovation will support the access to our common heritage through new technologies, high quality digitisation and curation of digital heritage assets and by developing solutions for sustainable and inclusive cultural tourism in Europe. New, participatory management models, including for museums and cultural institutions will be developed and new technologies will be identified to increase the international competitiveness of Europe's cultural production.



4 Key Strategic Orientations, 15 Impact Areas, 3 Pillars, 6 Clusters, 34 Destinations

IMPLEMENTATION

Expected impacts are implemented through work programmes



Horizon Europe implementation logic – overview

Strategic Planning and Programming (EC)

STRATEGIC PLAN

WORK PROGRAMME

EU POLICY PRIORITIES	Overall priorities of the European Union (Green Deal, Fit for the Digital Age,...)
KEY STRATEGIC ORIENTATIONS	Set of strategic objectives within the EC policy priorities where R&I investments are expected to make a difference
IMPACT AREAS	Group of expected impacts highlighting the most important transformation to be fostered through R&I
EXPECTED IMPACTS = DESTINATIONS	Wider long term effects on society (including the environment), the economy and science described under a given destination and enabled by the outcomes of R&I investments
EXPECTED OUTCOMES = TOPICS	Expected effects of the projects supported under a given topic, fostered by the dissemination and exploitation measures. This may include the uptake, diffusion, deployment, and/or use of the project results by target groups.
PROJECT RESULTS	What is generated during the project implementation e.g. know-how, innovative solutions, algorithms, proof of feasibility, new business models, policy recommendations, prototypes, demonstrators, datasets, trained researchers, new infrastructures, networks, etc.

PROJECT PROPOSALS

Application process (researchers)

General Objectives

Specific Objectives/Short term impacts

Operational Objectives

İLK ADIM...

Work Programme:

- Çağrının amaçları, başlıkları ve araştırma faaliyetleri hakkında daha geniş bilgiler,
- Desteklenecek proje konuları ile alt çalışma programları,
- 2 yıllık süreyle yayımlanacak proje teklif çağrı tarihlerini,

General annexes to the general Work Programme:

- Katılımcı ülke listesi,
- Uygunluk kriterleri and katılım koşulları,
- Puanlama ve eşik değerleri hakkında bilgileri,

Guide to the submission and evaluation process:

- Başvuru formları,
- Başvuru süreci
- Değerlendirme kriterleri ile ilgili bilgileri içermektedir.

https://ec.europa.eu/research/participants/portal/desktop/en/funding/reference_docs.html

CREATING THE PROJECT IDEA

- Examine the **priorities of the program** and try to match them with your own priorities
- Identify calls related to the **area of expertise**, taking into account individual/corporate goals
- It's also possible that your **project idea** sometimes doesn't overlap with any of them; but each system is a subsystem of the other.
For example, a technology can make it easier to solve a higher-level problem.
- Identify all the possibilities to match your project idea

EU documents, FP assessments and EU forecasting studies should be used when writing projects

WHAT NEEDS TO BE CLARIFIED IN THE OFFER

- What problem is being solved and why is it necessary?
- Is the problem also important for Europe?
- Can this product or service be purchased instead of doing R&D?
- Is the timing of this research correct?
- Why wasn't it done 5 years ago or can't wait yet?
- Why was it decided to develop new technology instead of transferring this technology?
- Does the consortium have enough experience in this area?

Knowing why the questions in the proposal are being asked makes it easier for them to be answered correctly.

Çalışma Programı ve Çağrı İncelemesi

Expected Impacts, synergies and specific policies for destinations

General Expected Impacts and General Policies

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Introduction

The Union and the world are gradually learning how to live with the COVID-19 pandemic. The pandemic laid bare the vulnerabilities of our societies, economies and health care systems and made evident the need for a strong European crisis preparedness and response in which Europe is now decidedly investing. The European Health Emergency Preparedness and Response Authority (HERA) created in September 2021 is key to this endeavour. The present work programme will support HERA and Europe's pandemic preparedness by investing in research into better management of epidemics, adaptable clinical networks for drugs and vaccines and better comprehension of the emergence of cross-border health threats. Particular attention is paid to translational research, to facilitating the development and implementation of new ways to prevent, diagnose, and treat infectious diseases, including the growing problem of antimicrobial drug resistance. Focus is not only on immediate health threats, but also on the wider societal impacts of health crises e.g. on peoples' mental health and wellbeing and on health care system resilience. Research conducted during the pandemic and following its sequels is pivotal to inform preparedness for potential similar events in the future. The pandemic has also demonstrated the downside of globalisation in which the dependence on global value chains can quickly result in shortages of critical supplies, such as essential medicines or other health technologies.

To help repair the economic and social damage caused by the coronavirus pandemic, the European Commission, the European Parliament and EU Member States leaders agreed on a Recovery Plan for Europe that will lead the way out of the crisis and lay the foundations for a modern and more sustainable Union. The Health cluster will continue to benefit from financial resources of this Multiannual Financial Framework and from NextGenerationEU (NGEU), the Union's financing instrument to boost the recovery. It requires research and innovation supporting the recovery of people and communities from COVID-19 but also for making society more resilient and national health systems better prepared to any future public health emergency.

The Recovery Plan aims the Union to building back better, including through support for the twin digital and green transitions by unlocking the full potential of data-enabled research and innovation for digitised health systems and a competitive and secure data-economy, including on the basis of European Electronic Health Records as well as the establishment of the European Health Data Space. The digital transformation of health and care will help increase the capacity of health care systems to deliver more personalised and effective health and care with less resource wasting. It will contribute, but is not sufficient, to making the Union the first climate-neutral continent by 2050, with zero pollution and zero waste. Additional efforts are needed to also make the delivery of health care, the design of health technologies and their manufacturing more sustainable by reducing energy consumption, waste, pollution and the release of harmful substances, including pharmaceuticals, into the environment.

Even though research and innovation have the power to uncovering the knowledge and developing the technologies to serve societal well-being, economic prosperity and

Destination 5. Unlocking the full potential of new tools, technologies and digital solutions for a healthy society

Calls for proposals under this destination are directed towards the Key Strategic Orientation KSO-A 'Promoting an open strategic autonomy by leading the development of key digital, enabling and emerging technologies, sectors and value chains' of Horizon Europe's Strategic Plan 2021-2024. Research and innovation supported under this destination should contribute to the impact area 'High quality digital services for all' and in particular to the following expected impact, set out in the Strategic Plan for the health cluster: 'Health technologies, new tools and digital solutions are applied effectively thanks to their inclusive, secure and ethical development, delivery, integration and deployment in health policies and health and care systems'. In addition, research and innovation supported under this destination could also contribute to the following impact areas: 'A competitive and secure data-economy', 'Industrial leadership in key and emerging technologies that work for people', and 'Good health and high-quality accessible health care'.

Technology is a key driver for innovation in the health care sector. It can provide better and more cost-efficient solutions with high societal impact, tailored to the specific health care needs of the individual. However, novel tools, therapies, technologies and digital approaches face specific barriers and hurdles in piloting, implementing and scaling-up before reaching the patient, encountering additional challenges such as public acceptance and trust. Emerging and disruptive technologies offer big opportunities for transforming health care, thereby promoting the health and well-being of citizens. Unlocking this potential and harnessing the opportunities depends on the capacity to collect, integrate and interpret large amounts of data, as well as ensure compatibility with appropriate regulatory frameworks and infrastructures that will both safeguard the rights of the individual and of society and stimulate innovation to develop impactful solutions. In addition to existing European Research Infrastructures, the European Health Data Space will promote health-data exchange and facilitate cross-border research activities. Moreover, the European Health Emergency Preparedness and Response Authority (HERA) aims to improve to improve the EU's readiness for health emergencies by supporting research, innovation and development of technologies and medical countermeasures needed against potential cross-border health threats. This destination aims to promote the development of tools, technologies and digital solutions for treatments, medicines, medical devices and improved health outcomes, taking into consideration safety, effectiveness, appropriateness, accessibility, comparative value-added and fiscal sustainability as well as issues of ethical, legal and regulatory nature.

In this work programme destination 5 has a strong focus on the personalisation of health technologies and will address the following issues:

Developing computational systems for point-of-care applications, developing and validating computational models of physiological systems and integrating health data from different sources, for better patient management and improved clinical outcomes;

The following call(s) in this work programme contribute to this destination:

Call	Budgets (EUR million)		Deadline(s)
	2023	2024	
HORIZON-HLTH-2023-TOOL-05	214.00		13 Apr 2023
HORIZON-HLTH-2024-TOOL-05-two-stage		25.00	19 Sep 2023 (First Stage) 11 Apr 2024 (Second Stage)
HORIZON-HLTH-2024-TOOL-11		25.00	11 Apr 2024
Overall indicative budget	214.00	50.00	

Conditions for the Call

Indicative budget(s)²³⁴

Topics	Type of Action	Budgets (EUR million)	Expected EU contribution per project (EUR million) ²³⁵	Indicative number of projects expected to be funded
		2023		
Opening: 12 Jan 2023 Deadline(s): 13 Apr 2023				
HORIZON-HLTH-2023-TOOL-05-01	RIA	50.00 ²³⁶	8.00 to 10.00	5
HORIZON-HLTH-2023-TOOL-05-03	RIA	50.00 ²³⁷	8.00 to 10.00	5
HORIZON-HLTH-2023-TOOL-05-04	RIA	35.00 ²³⁸	8.00 to 10.00	4
HORIZON-HLTH-2023-TOOL-05-05	IA	35.00 ²³⁹	8.00 to 10.00	4
HORIZON-HLTH-2023-TOOL-05-08	IA	40.00 ²⁴⁰	5.00 to 7.00	6
HORIZON-HLTH-2023-TOOL-05-09	CSA	4.00 ²⁴¹	Around 4.00	1
Overall indicative budget		214.00		

HORIZON-HLTH-2023-TOOL-05-08: Pandemic preparedness and response: In vitro diagnostic devices to tackle cross-border health threats

Expected EU contribution per project	The Commission estimates that an EU contribution of between EUR 5.00 and 7.00 million would allow these outcomes to be addressed appropriately. Nonetheless, this does not preclude submission and selection of a proposal requesting different amounts
Indicative budget	The total indicative budget for the topic is EUR 40.00 million
Type of Action	Innovation Actions
Eligibility conditions	The conditions are described in General Annex B. The following exceptions apply: In recognition of the opening of the US National Institutes of Health's programmes to European researchers, any legal entity established in the United States of America is eligible to receive Union funding . The Joint Research Centre (JRC) may participate as member of the consortium selected for funding. If projects use satellite-based earth observation, positioning, navigation and/or related timing data and services, beneficiaries must make use of Copernicus and/or Galileo/EGNOS (other data and services may additionally be used).
Award criteria	The criteria are described in General Annex D. The following exceptions apply: The thresholds for each criterion will be 4 (Excellence), 4 (Impact) and 3 (Implementation) . The cumulative threshold will be 12.

Topic Description:

Expected Outcome: This topic aims at supporting activities that are enabling or contributing to **one or several expected impacts of destination 5 “Unlocking the full potential of new tools, technologies and digital solutions for a healthy society”**. To that end, proposals under this topic should aim for delivering results that are directed, tailored towards and contributing to all of the following expected outcomes:

- The scientific and clinical communities, including health care providers and payers, as well as regulators, health systems and patients benefit from innovative diagnostic solutions that are better suited to tackle cross-border health threats.
- The scientific and clinical communities have access to novel and improved methodologies for detection of pathogens with pandemic potential in humans and for timely discovery of other health threats, such as chemical, radiological and nuclear threats, including considerations on detection in animals and environmental conditions (One Health approach).
- A diverse and robust pipeline of in vitro diagnostics is available, increasing options for clinical deployment in case of an epidemic or pandemic.

Expected Outcomes => Key challenges NOW

Scope:

As shown by the COVID-19 pandemic, infectious diseases remain a major threat to health and health security in the EU and globally, this is also the case for other health threats that can be linked for instance to terror attacks.

New cross-border health threats are expected to emerge in the coming years and therefore **it is essential to promote advanced research of medical countermeasures that can be used to detect, prevent and treat in case of a new health emergency.** One of the most important aspects in crisis preparedness times is to ensure the availability of diagnostics that can contribute to detecting and characterising health threats.

Proposals should develop and advance on **new in vitro diagnostics** relevant for detecting and characterising cross-border health threats and develop novel approaches to the development of medical countermeasures **targeting threats identified by HERA.**

Scope:

Proposals should cover pathogens with pandemic potential in humans or other health threats, such as chemical, radiological and nuclear threats for which there are **no existing diagnostics or where clinical practice could benefit** from innovation. Emphasis should be put on the development of new diagnostics, innovative catch-all methodologies, or on the improvement of existing health technologies advancing diagnostics and characterization of health threats, applying the **One Health approach** when relevant.

Proposals should aim to diversify and accelerate the global diagnostic research and development pipeline to tackle cross-border health threats, and to strengthen the current leading role of the EU in research and development, and therefore contributing to the work of the European Health Emergency Preparedness and Response Authority (HERA). Attention should be paid to critical social factors **such as sex, gender, age, socio-economic factors, ethnicity/migration, and disability**. Proposals should include a **clear regulatory path** to market in order to ensure future compliance with the legal requirements.

Scope:

Proposals should address several of the following areas:

- **Proof-of-concept/early studies** linked e.g. to performance evaluation of new diagnostics that facilitate screening, detection of the presence or exposure to a cross-border health threat or determination of infectious/disease status through human samples, included but not limited to the list of high impact health threats identified by HERA, as well chemical, radiological and nuclear threats for which there is a lack of in vitro diagnostics or existing diagnostics have a sub-optimal performance.
- **Data-driven diagnostic and prognostic platforms** with AI and other advanced data analytics functionalities, adaptable to respond to new and multiple pathogens/threats, e.g. covering prototype viruses.
- Innovative systems linked to high sensitivity/specificity profiles adaptable for broader use should be considered, such as **portable, faster, more compact or accurate devices** and technologies, including the possibility to develop point of care or self-tests.
- Innovative diagnostics **sampling methods** or samples bringing a significant improvement, such as less invasive sampling methods.

SCOPE=>SPECIFIC OBJECTIVES

Scope:

This topic requires the **effective contribution of social sciences and humanities (SSH) disciplines** and the involvement of SSH experts, institutions as well as the inclusion of relevant SSH expertise, in order to produce meaningful and significant effects enhancing the **societal impact** of the related research activities.

Proposals should consider the **involvement of the European Commission's Joint Research Centre (JRC)** in regard to its experience on the performance evaluation of in vitro diagnostic devices, with respect to the value it could bring in providing an effective interface between research activities and regulatory aspects and/or to translating research results into validated test methods and strategies fit for regulatory purpose. In that respect, the JRC will consider collaborating with any successful proposal and this collaboration, when relevant, should be established after the proposal's approval.

Applicants envisaging to include **clinical studies** should provide details of their clinical studies in the dedicated annex using the template provided in the submission system.

TOPIC ID: HORIZON-CL5-2024-D2-02-03- Size & weight reduction of cell and packaging of batteries system, integrating lightweight and functional materials, innovative thermal management and safe and sustainable by design approach (Batt4EU Partnership)

Topic description

Expected Outcome:

Widespread electrification of mobile applications is necessary to achieve the goals of the **European Green Deal**. A competitive European battery value chain will have to deliver highly performant and safe battery systems in order to enable the necessary uptake of electrified mobility applications.

This topic focuses on delivering a safe by design approach^[1] for batteries **reduced in size and weight** which will deliver the performance necessary for **mobile applications**. The objective is to ruggedize energy storage packs by enlarging the environmental and operational conditions in which they can operate, while maintaining a high level of performance and achieving a reduction in the size and weight of the battery pack.

Successful projects are expected to deliver on both following points:

- An increase of the net useful mass and volumetric energy density of the battery system between **10% and 30%** compared to the state-of-the-art battery systems.
- The improvement of the safety by design measures throughout the battery lifetime and during operation.
- Projects are furthermore expected to deliver innovative thermal management to
- Increase performance over the complete operational conditions
- Enable fast charging requirements **10%-80% in 10 minutes maximum**.
- The solutions should be demonstrated and validated at application level and should comply with all relevant standards (performance and safety). They are also encouraged to contribute to standardisation of measures for safe thermal management.

Scope:

Projects should **achieve size and weight reduction** by integrating different technologies such as:

- Integration of **advanced cell technologies/generations, sensing technologies,**
- The use of **lightweight and multi-functional materials** (including, but not limited to, the use of nanomaterials) and lightweight structures for battery casing.
- Improvement of the cell to system ratio by **adopting innovative packaging approaches** to enable smart battery cell concepts. Approaches to reduce the complexity of HV and BMS architecture and substitution by alternatives.

To reach those targets, improvements in both components in the cell and in the pack will be considered.

Proposals are expected to also address innovations in the manufacturing processes that result in size and weight reduction of the packs.

In addition, projects are expected to **improve battery performance and safety** by demonstrating innovative thermal management systems, which enhance fast charging capability or high-power application during operational lifetime (heating and cooling).

Finally, projects should enhance the **safety throughout the full battery lifetime and for failure conditions** by developing and demonstrating safe by design measures, for example such as:

- Thermal propagation measures.
- Fire retardant properties.
- Mechanical properties ameliorations.
- Reliability, default propagation/thermal runaway modelisation and simulation.

The effectiveness of safety measures should be demonstrated by **simulation** at pack level.

The projects are to focus on the battery system level, i.e., on the integration of battery cells into a battery system (e.g., a battery pack), considering mechanical, electrical and thermal aspects.

The integration of battery systems into larger systems of application (e.g., into vehicles structure) can be part of scope (e.g. cell to casing integration) as long as it can be demonstrated as a possibility to reduce overall packaging space, battery weight and battery performance improvement.

All solutions are expected to consider optimal design for **manufacturing, end of life management and LCA analysis and disassembly**.

The Commission initiative for **Safe and Sustainable by Design**^[2] will set a framework for assessing safety and sustainability of chemicals and materials and which should be considered as a reference in the proposal.

Plans for the exploitation and dissemination of results for proposals submitted under this topic should include a **strong business case and sound exploitation strategy**, as outlined in the introduction to this Destination. The exploitation plans should include preliminary plans for **scalability, commercialisation, and deployment (feasibility study, business plan)** indicating the possible funding sources to be potentially used (in particular the Innovation Fund)

In order to achieve the expected outcomes, **international cooperation is encouraged**, in particular with the USA.

This topic implements the co-programmed European Partnership on Batteries (Batt4EU). As such, projects resulting from this topic will be expected to report on the results to the **European Partnership on Batteries (Batt4EU)** in support of the monitoring of its KPIs.

Specific Topic Conditions:

Activities are expected to achieve TRL 6-7 by the end of the project – see General Annex B.

PROJECT PROPOSAL-PART B

1. Excellence

1.1 Objectives and Ambition

1.2 Methodology

2. Impact

2.1. Project's pathway towards impact

2.2 Measures to maximise impact- Dissemination, Exploitation and Communication

2.3 Summary

3. Quality and Efficiency of the Implementation

3.1 Work plan and resources

EVALUATION CRITERIA (RIAs and IAs)

Excellence

- Clarity and pertinence of the **project's objectives**, and the extent to which the proposed work is ambitious, and goes beyond the state of the art.
- Soundness of the proposed **methodology**, including the underlying concepts, models, assumptions, interdisciplinary approaches, appropriate consideration of the **gender dimension** in research and innovation content, and the quality of **open science practices**, including sharing and management of research outputs and engagement of citizens, civil society and end users where appropriate.

Impact

- Credibility of the **pathways** to achieve the expected **outcomes and impacts** specified in the work programme, and the likely scale and significance of the contributions due to the project.
- Suitability and quality of the **measures to maximise expected outcomes and impacts**, as set out in the dissemination and exploitation plan, including communication activities.

Implementation

- 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.

1. EXCELLENCE

- WHAT it is that your project **aims** to achieve?
- WHAT is the **novelty** (and/or importance) of the project by establishing the knowledge gap in the field of interest
- How the project goes beyond the **State of the Art** in order to bridge this gap.

the motivation for the project
the project's objectives & concept, and finally
the chosen methodology and approach

1. EXCELLENCE

1.1 Objectives and Ambition

- Refer to the specific topic's scope, focus and terminology.
- Be clear and to the point. *"The main objective(s) of this project is/are ..."*
- Include specific conceptual objectives. (MACRO-LEVEL)
- Clearly differentiate between conceptual objectives (in this sub-section), and the operational & technical objectives that complement them in the work-packages (sub-section 3.1). (MICRO-LEVEL)

1. EXCELLENCE

1.1 Objectives and Ambition

S

SPECIFIC: What, how, who, for whom?

- What exactly are you going to achieve?
- Is the objective written in a clear and comprehensible way?

M

MEASURABLE: How do we count it? How many, how large, how fast?

- How can you tell if the objective is reached?
- Are there clear indicators or parameters to measure the objective?

A

ACHIEVEABLE: Be realistic. Can you do it?

- Is the objective achievable, given the time and resources committed?

R

RELEVANT: Does it make sense?

- Do the objectives provide an acceptable solution to the problem?

T

TIME BOUND: When? Is time enough?

- When will the objectives be achieved?

Topic: New avenues for treatment and prevention of cancer

Challenge:

- Incidence rate of cancer is still raising
- Early diagnosis is either too expensive, not applicable or not existing

Scope:

- improvement of early diagnosis
- use of „big-data“ approach
- focus on common cancer
- transdisciplinary approach

Expected Impact:

- fast and easy diagnosis of cancer in early stages
- impact on health care systems

Your Project: development of an early diagnosis program for skin cancer

1.1 Objectives:

Overall objective: Reduction of incidence of skin cancer in Europe

Specific Objectives:

- 3 new validated and easy to measure biomarkers for skin cancer
- Draft program for early diagnosis of skin cancer which could be applied all over Europe

Ambition (RIA/IA)

- 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.**
- Illustrate the advance by referring to **products** and **services** already available on the market.
- Refer to any **patent** or **publication** search carried out.

**On which experience is the proposal based?
Show that you build on existing knowledge!!!**

- *A combination of 3 easy measurable biomarkers is new and has never been applied so far (for skin cancer/ cancer/ etc.)*
- *The project results will provide the chance to diagnose skin cancer in a very early stage and will therefore dramatically improve the treatment of skin cancer*
- *The test kit combining 3 validated markers will be highly innovative and has so far not been patented (we have freedom to operate); opportunity for own patent application (develop patent strategy)*
- *High market volume envisaged*

1. EXCELLENCE

1.2 Methodology

What methods are you going to use in order to achieve your objectives and desired outcomes?

- Explain the **overall methodology, including the concepts, models and assumptions** that underpin your work.
- Explain how this will enable you to deliver your project's objectives.
- Describe any important **challenges** you may have identified in the chosen methodology and how you intend to overcome them.

The wrong question: What exactly am I going to do when?

The right question: How am I going to reach my goals?

Show that you build on existing knowledge!!!!!!

1. EXCELLENCE

1.2 Methodology

- Dive deep into the scientific reasoning of the suggested concept (Diagrams, graphs, pathways, mechanisms, techniques, methods, mathematical formulas and expressions, description of algorithms, preliminary findings, etc)
- Where the proposed work is positioned in terms of **R&I maturity?** (i.e. where it is situated in the spectrum from 'idea to application', or from 'lab to market').
- Provide an indication of the **Technology Readiness Level**, if possible distinguishing the start and by the end of the project.

- *biomarker will be identified using -omics approach*
- *3 biomarkers will be investigated and validated each on its own and in combination within a clinical study*
- *Based on these findings, a new program for early diagnosis of skin cancer will be developed, in collaboration with health care providers and policy makers*

Methodology used:

-omics, PCR, clinical application, (groundbreaking)

1. EXCELLENCE

1.2 Methodology

- If you plan to use, develop and/or deploy **artificial intelligence (AI)** based systems and/or techniques you must demonstrate their technical robustness.
- Describe any **national or international research and innovation activities** whose results will feed into the project, and how that link will be established
- How the project methodology complies with the **'do no significant harm'** principle?

Do no significant harm principle (DNSH)

European Green Deal

In line with 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. 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 adaptation**
- **Transition to a circular economy**
- **Protection and restoration of biodiversity & ecosystems**

1. Excellence

1.2 Methodology

- How expertise and methods from **different disciplines** will be brought together and integrated in pursuit of your objectives?
- If the work programme indicates the need for the integration of **social sciences and humanities**, show the role of these disciplines in the project
- How the **gender dimension** (i.e. sex and/or gender analysis) is taken into account in the project's research and innovation content?
- Assess whether concepts, methods and approaches need to be designed differently when thinking of sex and gender differences.



Gender dimension in R&I content

Gender Dimension

Addressing the gender dimension in research and innovation entails taking into account sex and gender in the whole research & innovation process.

The integration of the gender dimension into R&I content is mandatory, unless it is explicitly mentioned in the topic description

Why is gender dimension important?

- Why do we observe differences between women and men in infection levels and mortality rates in the COVID-19 pandemic?
- Does it make sense to study cardiovascular diseases only on male animals and on men, or osteoporosis only on women?
- Does it make sense to design car safety equipment only on the basis of male body standards?
- Did you know that pheromones given off by men experimenters, but not women, induce a stress response in laboratory mice sufficient to trigger pain relief?
- And did you know that climate change is affecting sex determination in a number of marine species and that certain populations are now at risk of extinction?

- *Skin cancer has risen dramatically over the last decade, yet an **affordable early diagnosis** is lacking*
- ***Recent findings** indicate that early diagnosis is possible via **biomarkers***
- *1 biomarker may not be sufficient, but combining 3 markers will enhance sensitivity and diagnostic value*
- *Our consortium has therefore gathered **expertises in the areas of x, y, z** and is outstanding with regards to ...*
- *Members of the consortium have access to ... **(infrastructure)** and are also members in project A, B, C, and in the **steering board** of initiative X and **editorial board** of (journal)*
- *As skin cancer has a **20% higher incidence rate in women**, we will take this into account*

1. Excellence

1.2 Methodology

How appropriate **open science practices** are implemented as an integral part of the proposed methodology?

Open science practices include;

- **early and open sharing of research** (for example through pre-registration, registered reports, pre-prints, or crowd-sourcing); research output management;
- measures to ensure **reproducibility** of research outputs;
- providing **open access** to research outputs (such as publications, data, software, models, algorithms, and workflows); participation in open peer-review;
- and **involving all relevant knowledge actors** including citizens, civil society and end users in the co-creation of R&I agendas and contents (such as citizen science).



Open Science across the programme

Open
Science

Mainstreaming of open science practices for improved quality and efficiency of R&I, and 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 of open science practices through the **award criteria** for proposal evaluation
- Dedicated support to **open science policy actions**
- **Open Research Europe** publishing platform

1. Excellence

1.2 Methodology

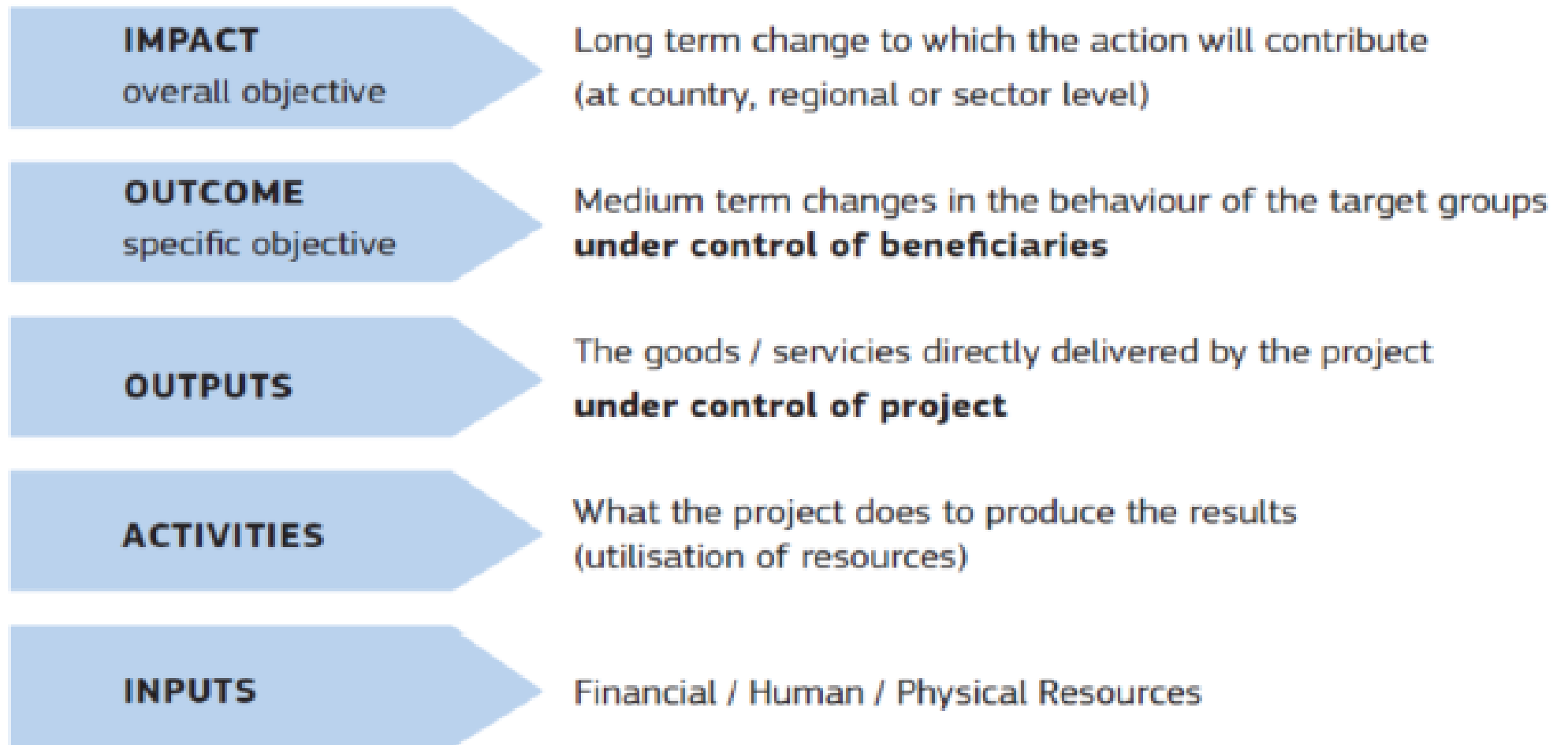
Research **data management and management of other research outputs:**

FAIR principles (Findable, Accessible, Interoperable, Reusable)

- Types of data/research outputs
- Findability of data/research outputs
- Accessibility of data/research outputs
- Interoperability of data/research outputs
- Reusability of data/research outputs
- Curation and storage/preservation costs

2. Impact

2.1 Project's pathways towards impact



2. Impact

2.1 Project's pathways towards impact

- How do we move on from here?
- How can we fill in the gap which extends past the project's results?
- How important and significant are the benefits expected from your project?
- How widespread are they?
- What is the value of the project?

2. Impact

2.1 Project's pathways towards impact

To assess the project's value, focus on answering questions such as:

- What will happen after we reach our target and have results?
- What will happen once the project is through?
- What may be the next steps which extend beyond the project's scope?
- What will be the project's 'heritage'?

2. Impact

2.1 Project's pathways towards impact

A) Describe the unique contribution your project results would make towards:

(1) the **outcomes** specified in this topic (Key Impact Pathways)

- Scientific Impact
- Economic/technological Impact
- Societal Impact

(2) the **wider impacts**, in the longer term, specified in the respective destinations in the work programme.

2. Impact

2.1 Project's pathways towards impact

The project's pathways towards impact consist of the following 3 elements:

- 1. Results** – immediate, short-term outputs of the project.
- 2. Outcomes** – expected effects, over the medium-term
- 3. Impacts** – wider, long-term effects on society (environment included), the economy and science.

Call / topic text

Project proposal / Execution



Destination:
Expected Impacts

Long-term Impact



Topic:
Expected Outcomes

Medium-term Outcomes



Topic:
Scope

Results



2. Impact

2.1 Project's pathways towards impact

Scale and **significance** of the project's **contribution to the expected outcomes** and impacts, should the project be successful.

For example:

- expected revenues from new technologies,
- size of patient groups that will be affected by a new treatment,
- number of new jobs that will be created after a successful project,
- growth in the number of users of emerging technology.

2. Impact

2.1 Project's pathways towards impact

Requirements and potential barriers

- Political
- Economic
- Social
- Technological
- Environmental
- Legal

Include any potential negative environmental outcome or impact of the project including when expected results are brought at scale (such as at commercial level), explain how the potential harm can be managed.

2. IMPACT

2.2 Measures to maximise impact - Dissemination, exploitation and communication

- Describe the planned measures to maximise the impact of your project by providing a first version of your **'plan for the dissemination and exploitation including communication activities'**.
- Describe the **dissemination, exploitation and communication** measures that are planned, and the target group(s) addressed (e.g. scientific community, end users, financial actors, public at large).
- Outline your strategy for the **management of intellectual property**, foreseen protection measures, such as patents, design rights, copyright, trade secrets, etc., and how these would be used to support exploitation.

Detailed 'plan for dissemination and exploitation including communication activities' will need to be provided as a mandatory project deliverable within 6 months after signature date.

- **Dissemination**- A process of **promotion and awareness-raising** during which a project's results are made available and presented – via any medium – **to targeted stakeholders** (e.g., research peers, industry, policymakers etc.).
- **Communication**- Strategic and targeted measures taken in order to promote the project and its results to the **public at large**, while possibly engaging in a two-way exchange. The aim is to **reach out to society** while demonstrating **how EU funding contributes to tackling societal challenges**.



Objectives

Target
Audience

Channels

Messaging

Dissemination and Exploitation Plan

<u>What to be disseminated & exploited (Results)</u>	<u>To Whom</u>	<u>How Method/Channels</u>	<u>By Whom</u>	<u>Barriers</u>	<u>How much? (Resources)</u>	<u>**How well? (Milestones)</u>
Product 1 (materials/model structures, algorithms, software, designs, prototypes, demonstrable products/versions, pre-commercial products/versions, commercialised products/versions, etc)	Scientific Society					# of patents, prototypes, licences
Product 2	Standadisation Bodies					# of standards initiated
Services (training, consultancy, advising, etc)	Investors					# of investors
Know-how (policy recommendations, Research data, methodology, new research topics relevant to industry needs, etc	Policy Makers, Policy advisors (NGOs/committee)					

Communication Plan

Information communicated	Target group	Means of com/ tion	Com/ tion level	When	Responsible	Performance indicators
Objectives and basic information on project, public deliverables	Healthcare industry, OA patients, policy makers, stakeholders	Project's website	International	M1- M36	AXIA	30000 visits and 500 downloads per public deliverable one year after the project's end
Project's activities	End users, authorities, OA patients and relatives	Newsletter, Social media (fb page, LinkedIn groups, twitter hashtag)	International	M1- M36	AXIA	300 registered mails, 500 likes on fb page, 50 LinkedIn posts and 50 twitter tweets per year
Achievements	General public, Investors	2 YouTube promotional videos, leaflets	Europe	M3, M36	AXIA	1000 views per video in 12 months from release
Lessons learnt	Healthcare industry, advisors	Best practices handbook (D9.3)	Europe	M36	AXIA, CETRI	200 downloads in 1 year after the project's end
Publications	Researchers, Research centers	High impact journals (table 2.3)	International	M36	All partners	6 publications and 6 citations in 3 years



**2.3. SUMMARY
KEY ELEMENT OF THE IMPACT
SECTION**

SPECIFIC NEEDS What are the specific needs that triggered this project?	EXPECTED RESULTS What do you expect to generate by the end of the project?	D&E&C MEASURES What dissemination, exploitation and communication measures will you apply to the results?
<p>Electronic components need to get smaller and lighter to match the expectations of the end-users.</p> <p>At the same time there is a problem of sourcing of raw materials that has an environmental impact.</p>	<p>Publication of a scientific discovery on transparent electronics.</p> <p>New product: More sustainable electronic circuits.</p> <p>Three PhD students trained.</p>	<p>Exploitation of the new product: Patenting the new product; Licensing to major electronic companies.</p> <p>Dissemination towards the scientific community and industry: Participating at conferences; Developing a platform of material compositions for industry; Participation at EC project portfolios to disseminate the results as part of a group and maximise the visibility vis-à-vis companies.</p>
TARGET GROUPS Who will use or further up-take the results of the project? Who will benefit from the results of the project?	OUTCOMES What change do you expect to see after successful dissemination and exploitation of project results to the target group(s)?	IMPACTS What are the expected wider scientific, economic and societal effects of the project contributing to the expected impacts outlined in the respective destination in the work programme?
<p>End-users: consumers of electronic devices.</p> <p>Major electronic companies: Samsung, Apple, etc.</p> <p>Scientific community (field of transparent electronics).</p>	<p>High use of the scientific discovery published (measured with the relative rate of citation index of project publications).</p> <p>A major electronic company (Samsung or Apple) exploits/uses the new product in their manufacturing</p>	<p>Scientific: New breakthrough scientific discovery on transparent electronics</p> <p>Economic/Technological: A new market for touch enabled electronic devices.</p> <p>Societal: Lower climate impact of electronics manufacturing (including through material sourcing and waste management).</p>

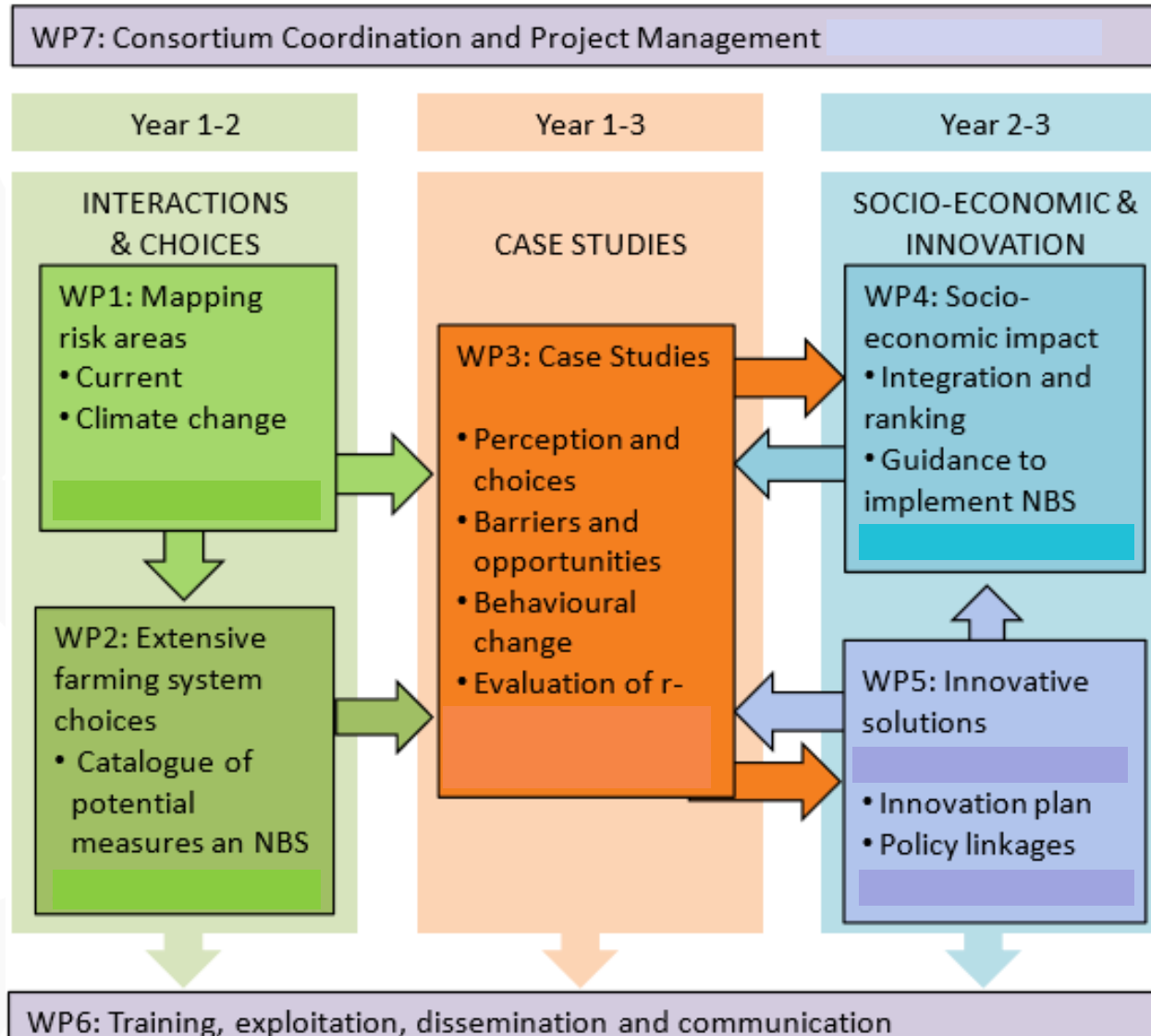
3. QUALITY AND EFFICIENCY OF THE IMPLEMENTATION

Implementation section that will address the question of **HOW** the project will be executed to achieve the project's objectives.

3.1 Workplan and resources

- 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).

3. QUALITY AND EFFICIENCY OF THE IMPLEMENTATION



WP1 Management and dissemination

- T1.1 Management
- T1.2 Dissemination
- T1.3 Exploitation
- Project review meetings*

WP2 Qubit Design and Simulation

- T2.1 Idealized qubit structure definition
- T2.2 Modelling+atomistic qubit simulations
- T2.3
- T2.4

WP3 Integrated Qubit ICs

- T3.1 FDSOI qubit tapeout 1
- T3.2

WP4 Scaled Si and III-N Qubits

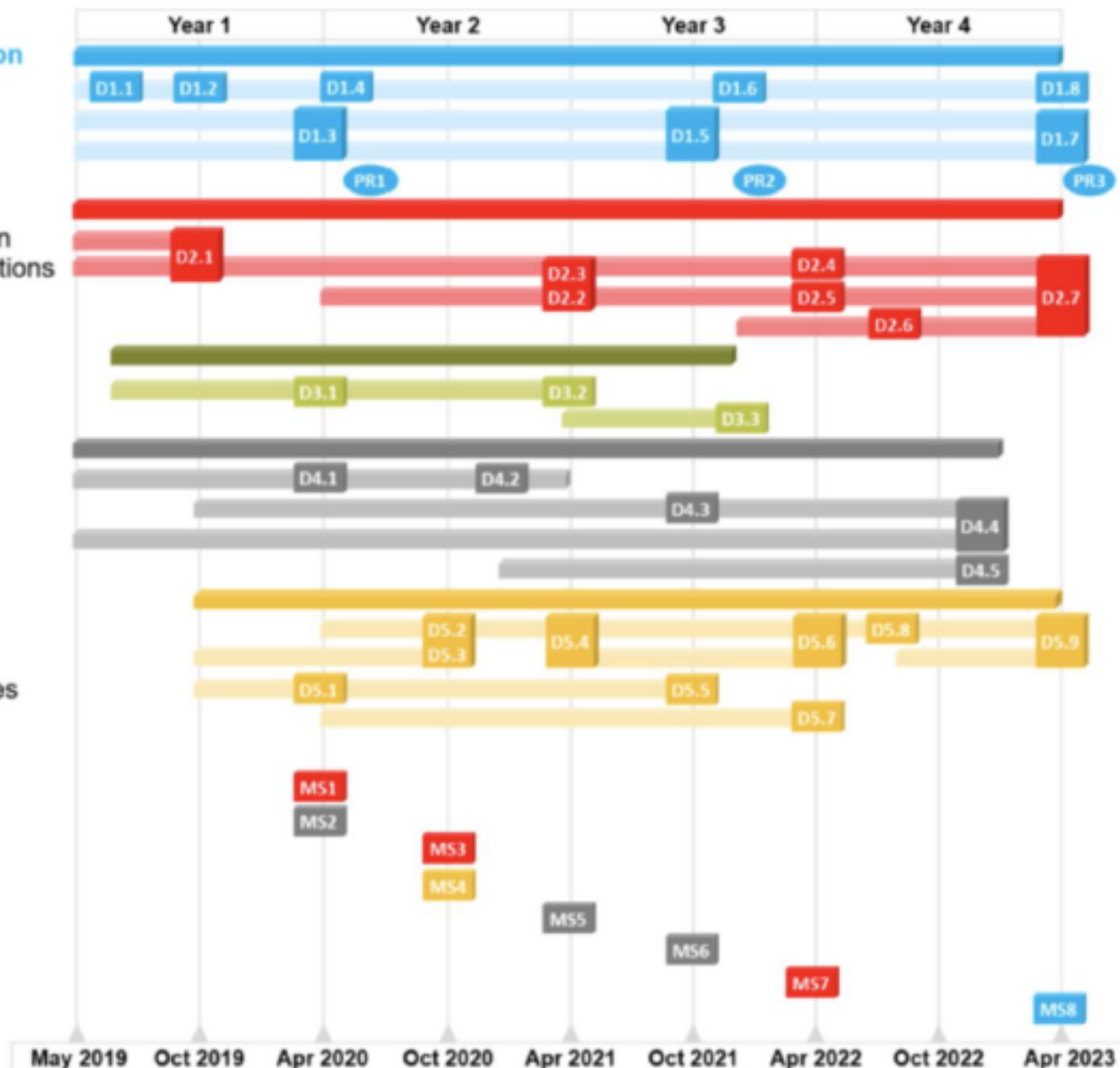
- T4.1 Process optimization
- T4.2
- T4.3
- T4.4

WP5 Qubit and Qubit IC Testing

- T5.1
- T5.2
- T5.3 Kerr measurement III-N structures
- T5.4

Milestones

- MS1 Qubit structure design
- MS2 Low defect epitaxial III-N films
- MS3
- MS4
- MS5
- MS6
- MS7
- MS8 Overall review and completion



3.2 Capacity of participants and consortium as a whole

Describe the consortium.

- How does it match the project's objectives, and bring together the necessary disciplinary and **inter-disciplinary** knowledge?
 - How this includes expertise in **social sciences and humanities, open science practices**, and gender aspects of R&I, as appropriate.
 - How the partners will have access to **critical infrastructure** needed to carry out the project activities.
 - How the members complement one another (and cover the **value chain**, where appropriate)
 - In what way does each of them contribute to the project? Each needs to have a **valid role**, and adequate resources in the project to fulfil that role.
-
- **Affiliated entities and associated partners ???**
 - **Other countries and international organisations??**

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

Table 3.1b: Work package description

For each work package:

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Table 3.1b: Work package description

For each work package:

Work package number	
Work package title	

⚠ *Participants involved in each WP and their efforts are shown in table 3.1f. Lead participant and starting and end date of each WP are shown in table 3.1a.)*

Objectives

Description of work (where appropriate, broken down into tasks), lead partner and role of participants. Deliverables linked to each WP are listed in table 3.1c (no need to repeat the information here).

Table 3.1c: List of Deliverables

Table 3.1c: List of Deliverables

Number	Deliverable name	Short description	Work package number	Short name of lead participant	Type	Dissemination level	Delivery date (in months)

Table 3.1d: List of Milestones

Table 3.1d: List of milestones

Milestone number	Milestone name	Related work package(s)	Due date (in month)	Means of verification

Milestones are control points in the project that help to chart progress (eg. completion of a key deliverable allowing the next phase of the work to begin).

Means of verification are how you intend to prove that a milestone has been reached. If appropriate, you can also refer to indicators.

Table 3.1e: Critical risks for implementation #@RSK-MGT-RM@#

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

#5RSK-MGT-RM5#

Table 3.1f: Summary of staff effort

	<u>WP_n</u>	WP _{n+1}	WP _{n+2}	Total Person-Months per Participant
Participant Number/Short Name				
Participant Number/Short Name				
Participant Number/Short Name				
Total Person Months				

RESOURCES:

Table 3.1g: 'Subcontracting costs' items

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)

Participant Number/Short Name		
	Cost (€)	Justification
Travel and subsistence		
Equipment		
Other goods, works and services		
Remaining purchase costs (<15% of pers. Costs)		
Total		

Table 3.1i: 'Other costs categories' items (e.g. internally invoiced goods and services)

Participant Number/Short Name		
	Cost (€)	Justification
Internally invoiced goods and services		
...		

Table 3.1j: 'In-kind contributions' provided by third parties

Participant Number/Short Name			
Third party name	Category	Cost (€)	Justification
	Select between Secoded personnel Travel and subsistence Equipment Other goods, works and services Internally invoiced goods and services		

COST & ELIGIBILITY

Costs have to be :

- Actual
- Real (not estimated)
- Borne by beneficiary
- During project duration
- Identifiable and verifiable
- Compliant with national laws on tax, social and labor security
- Reasonable & Justified

Understanding the cost items

ELIGIBLE COSTS

DIRECT (Actual)

- Personnel costs (incl. employer's costs)

OTHER DIRECT COST

- Travel
- Equipment (depreciation rules apply)
- Goods, works and services

INDIRECT

- Subcontracting
- Overhead

INELIGIBLE COSTS

- Deductible VAT (Note: non deductible/non identifiable VAT is eligible)
- Losses due to fluctuation of exchange rates
- Interest owed
- Provisions for future losses or debts



Personnel costs

Cost of the time worked for the Horizon Europe project by:

- Your employees
 - ✓ basic remuneration = basic salary (incl. Salary, social Security, Taxes, other) + complements (13th Salary, night shifts, hazardous work complement, variable)
 - ✓ for non-profit legal entities: additional remuneration ('bonus payments')
- Seconded staff
- owners of participants that are Small and Medium-sized Enterprises (if you are an SME),
- and, subject to conditions, other persons working for you under other types of direct contracts (for example some types of consultants).



Your proposed work must be within the **scope** of a work programme topic or call document



You need to demonstrate that your idea is ambitious and goes beyond the **state of the art**



Your scientific methodology must take into account **interdisciplinary, gender dimension and open science** practices. It must not significantly harm the environment



You should show how your project could contribute to the **outcomes and impacts** described in the work programme (the pathway to impact)



You should describe the planned **measures to maximise the impact** of your project ('plan for the dissemination and exploitation including communication activities')



You should demonstrate the **quality** of your work plan, resources and participants

Evaluation Process

Individual Evaluation

Experts assess proposals **individually**. Minimum of three experts per proposal (but often more than three).

Consensus group

All individual experts discuss together to agree on a **common position**, including comments and scores for each proposal.

Panel review

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

if necessary, resolve cases where evaluators were unable to agree.

Rank the proposals with the same score

Finalisation

The Commission/Agency reviews the results of the experts' evaluation and puts together the **final ranking list**.

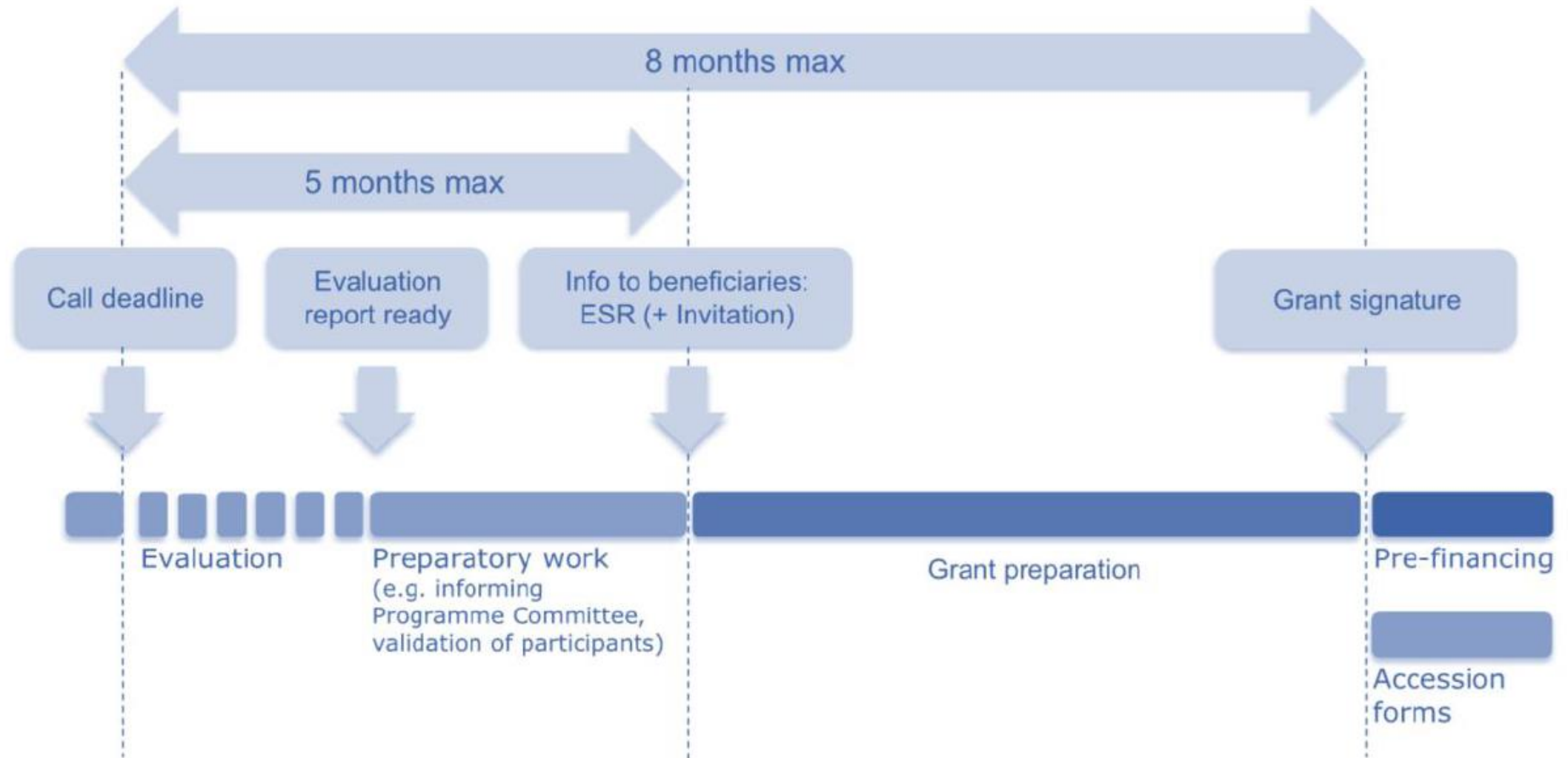
Ethics Review

Same criteria as in H2020

For all activities funded, ethics is an **integral part** of research from beginning to end, and **ethical compliance** is essential to achieve real research excellence. An ethics review process is carried out systematically in all Horizon Europe proposals, based on a **self-assessment** included in the proposal.

Ethical research conduct implies the application of fundamental ethical principles and legislation in all possible domains of research. This includes the adherence to the highest standards of **research integrity** as described in the **European Code of Conduct for Research Integrity**.

PROJECT TIMELINE



Before you submit...

- Ask different people to check the whole text
- Make sure formatting is according to specs
- Make sure .pdf looks like word document
- Look at all questions in the platform upfront so that you have answers
- Dont forget to fill in all tables and sections
- Dont submit the last moment of deadline

DOWNLOAD AND CHECK AFTER YOU SUBMIT

Common mistakes

Why this? Why now?

- The topic is **not aligned with the focus of the call** e.g. call specifies university-business cooperation in higher education and the proposal is prepared about innovation in higher education generally
- The project is **not innovative enough** or has been done before
- The reason why this project is **absolutely necessary** is not clearly explained
- The **specific problem** you are addressing **is not described clearly** and aligned with the outcomes you expect from the project
- The **urgency for** addressing **the problem** is not clear
- This isn't a **strong impact** beyond the project finish and beyond the project consortium

Common mistakes

What aim? Why like this?

- There is **no clear primary aim** or sub-aims described
- There is a **lack of connection** between (i) the aims and (ii) the activities in the project and (iii) the expected outcomes
- The **method or approach** described in the project isn't likely to get the outcome desired
- The **timeline** for the project doesn't allow sufficient time for successful project completion, proper target group engagement, or time to create impact
- The project is challenging but **not feasible in the time or budget** or with the consortium in the project
- Adequate **quality measures and processes** are not in place
- The **finance** requested doesn't match the **workload** in the different work-packages

Common mistakes

Why you?

- Not the right mix of partners OR number of partners OR expertise OR geographic spread
- Not having someone dedicated to **managing the process** of creating the proposal including acquiring consortium partners
- Not having a small team of drafters to keep **consistency in the proposal**
- Not have the **financials** done by someone experienced in the call or in creating project financials



... one final point

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

Horizon 2020 Framework Programme (H2020) clear filter

There is currently an issue with the contact form preventing you from submitting your request. We are doing our best to resolve the issue as soon as possible. We apologize for any inconvenience caused.

Legal Entity and Bank Account validations tasks will experience issues in the Grant Management Services Services on Wednesday, 02.12.2020, between 07:30 and 08:10.

Need help?

Work as an expert

The European Union Institutions appoint external experts to assist in the evaluation of grant applications, projects and tenders, and to provide opinions and advice in specific cases.

Being an expert for the European Commission...

In particular, experts assist in:

- Evaluation of proposals, prize applications and tenders
- Monitoring of actions, grant agreements, public procurement contracts

In addition, experts provide opinion and advise on:

- Preparation, implementation and evaluation of EU programmes and design of policies.

In order to select experts, the European Union Institutions publish regularly calls for expression of interest (see list below) detailing the selection criteria, the required expertise, the description of the tasks, their duration and the conditions of remuneration.

Interested? Please join the database of external experts!

Register as expert

News

21 Apr, 2020
Call for experts to assist the European Commission and other EU bodies with tasks in connection with pilot projects and preparatory actions

The European Commission is launching a call for experts for the Funding & Tenders Portal expert database, for assignments in connection with EU pilot projec...

05 Feb, 2020
INEA looking for experts to assess CEF Energy calls

The Innovation and Networks Executive Agency (INEA) is looking for experienced experts in energy to assess project proposals submitted under the 2020 Connecting...

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

The best way to learn
is by doing

You can Register in the
EU experts database at
any time.

Click [here](#) to register!

THANK YOU

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