

# Horizont Európa pályázati lehetőségek ETT-k számára

**ETT-műhely**

**Külgazdasági és Külügyminisztérium**

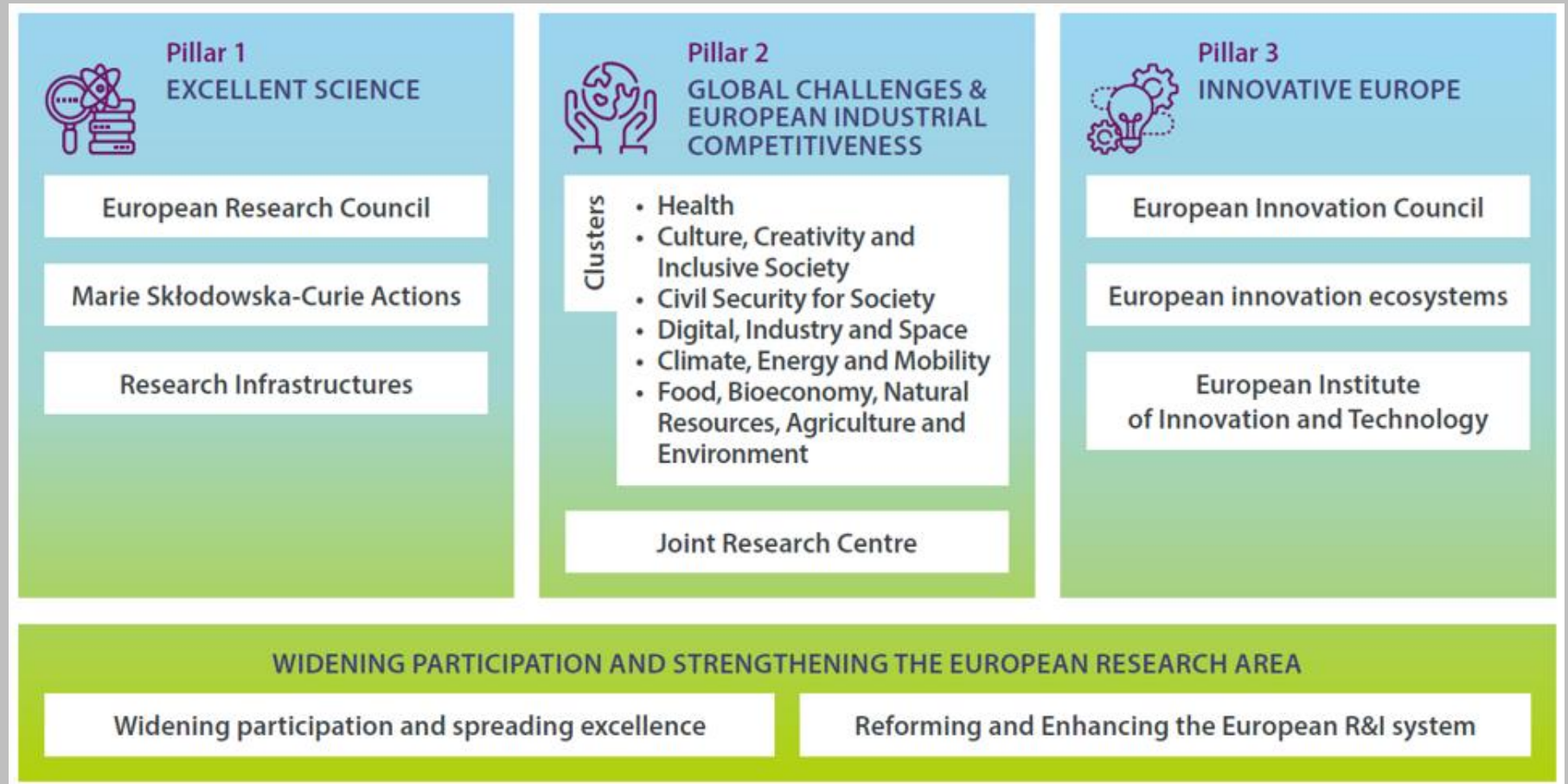
**Budapest, 2022. május 16.**



# Horizont Európa keretprogram szerkezete

€ 95,5 milliárd

(HE ktg.vetés folyó áron)



**Jelenleg 178 felhívás pályázható, és 2022 végéig több mint 100 további pályázat nyílik meg!**

## Partnerségek

A II. pillér ktgvetésének  
max. 50%-a

## Missziók

A II. pillér ktgvetésének  
max. 10%-a

## 5. Klaszter munkaprogramjának a felépítése (2022)

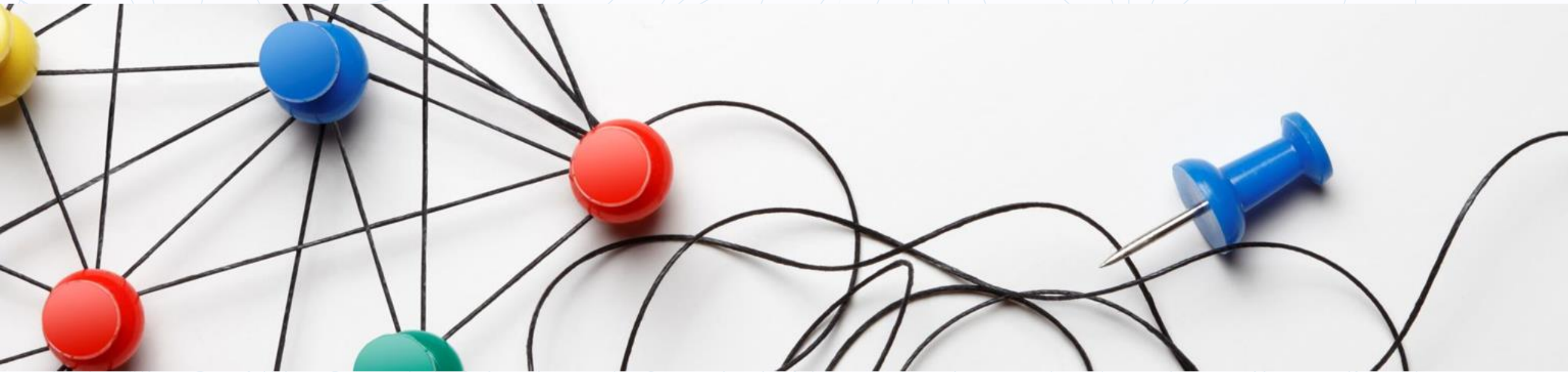


Terület (destination)	Téma	Pályázatok száma	Ktgvetés (M EUR)
1 Climate sciences and responses	Climate Science	8	138
2 Cross-sectoral solutions	Batteries	10	133
2 Cross-sectoral solutions	Breakthrough technologies	0	0
2 Cross-sectoral solutions	Citizen and stakeholder engagement	0	0
2 Cross-sectoral solutions	Communities and cities	1	5
3 Sustainable, secure and competitive energy supply	Renewable energy	24	368,5
3 Sustainable, secure and competitive energy supply	Energy system, grids and storage	7	181
3 Sustainable, secure and competitive energy supply	CCUS	1	58
3 Sustainable, secure and competitive energy supply	Cross-cutting issues - energy	0	0
4 Efficient, sustainable and inclusive energy use	Buildings	8	122
4 Efficient, sustainable and inclusive energy use	Industry	2	18
5 Clean and competitive solutions for all transport modes	2ZERO	4	105
5 Clean and competitive solutions for all transport modes	Aviation	3	45
5 Clean and competitive solutions for all transport modes	Waterborne transport	6	96
5 Clean and competitive solutions for all transport modes	Health and environment	1	7
5 Clean and competitive solutions for all transport modes	Cross-cutting issues - transport	0	0
6 Safe, Resilient Transport and Smart Mobility services	CCAM	5	88
6 Safe, Resilient Transport and Smart Mobility services	Multimodal transport, infrastructure, logistics	7	91
6 Safe, Resilient Transport and Smart Mobility services	Transport safety	3	34
Other	Other	90	31

Total

1 489,5

3



# Horizont Európa Partnerségi pályázatok

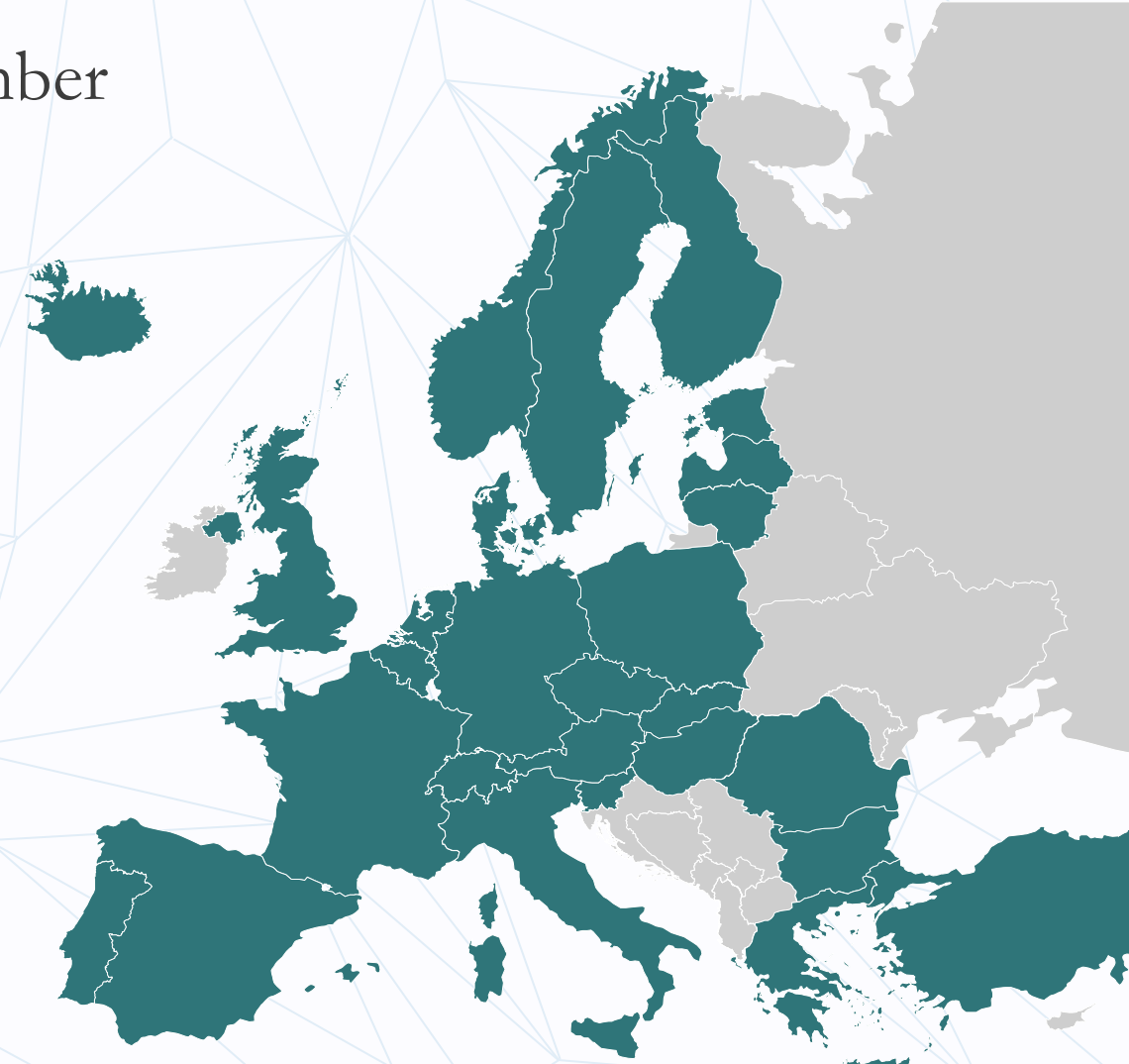
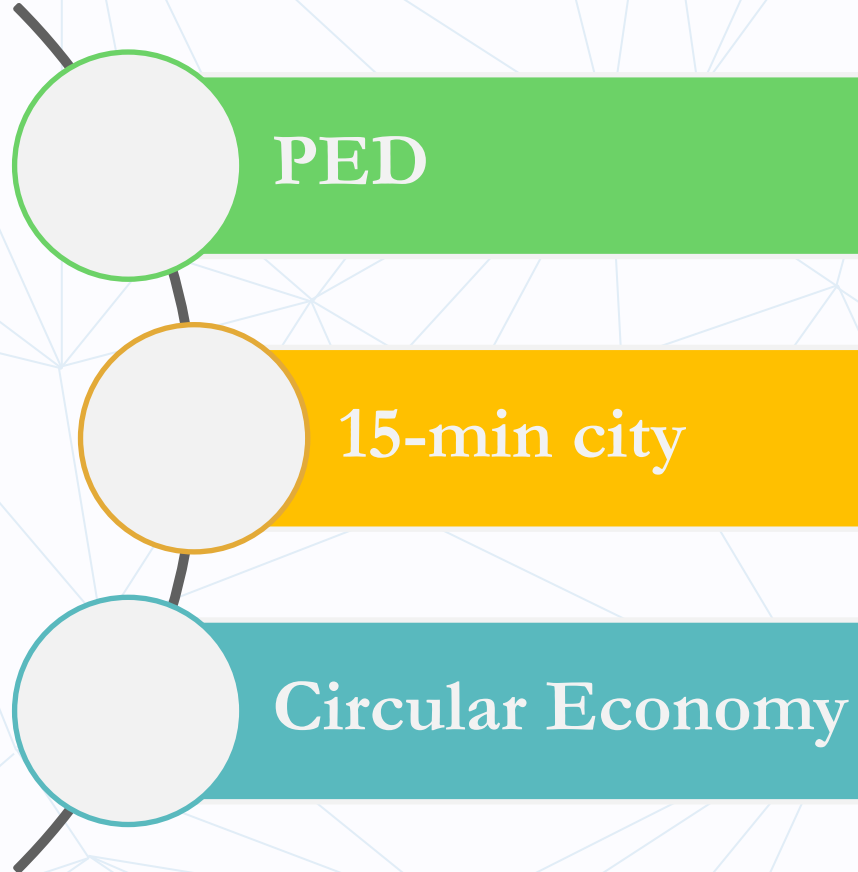
# Driving Urban Transitions (DUT) Partnerség

5



- 63 partnerintézmény 27 különböző európai országból
- Társ-finanszírozott partnerség
- Első pályázati lehetőségek: 2022. szeptember

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# Horizont Európa Missziók

# Mik azok a HE Missziók?

7

nkfih

Új kezdeményezés a Horizont Európa programban

Kutatás és innováció új szerepbe helyezése

Megoldások korunk legnagyobb kihívásaira

Ambiciózus célok és konkrét eredmények 2030-ig

Újfajta kormányzási és együttműködési módszerek

Polgári szerepvállalás



# HE Városi Misszió



The banner features a light blue and green background with a circular inset image of a city skyline and solar panels. On the left, there are icons for a train, a building, and trees. The text is centered and right-aligned.

 **EUROPEAN UNION**

 **EU  
MISSIONS**

**CLIMATE-NEUTRAL & SMART CITIES**

**Concrete solutions for our greatest challenges**

**#EUmissions #HorizonEU #MissionCities**

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# Célok és megvalósítás



1

2030-ra **legalább 100** klímasemleges és intelligens város kialakítása Európában.

2

Gondoskodjunk arról, hogy ezek a városok kísérleti és innovációs központként működjenek, hogy **2050-re minden európai város** klímasemleges legyen.

**Climate City Contracts**

Mission Platform

Tailor-made help with funding and financing

A Mission label to unlock synergies with other programmes

**R&I action under Horizon Europe**

Innovative city governance models and citizen engagement

Common framework for monitoring, reporting and verification

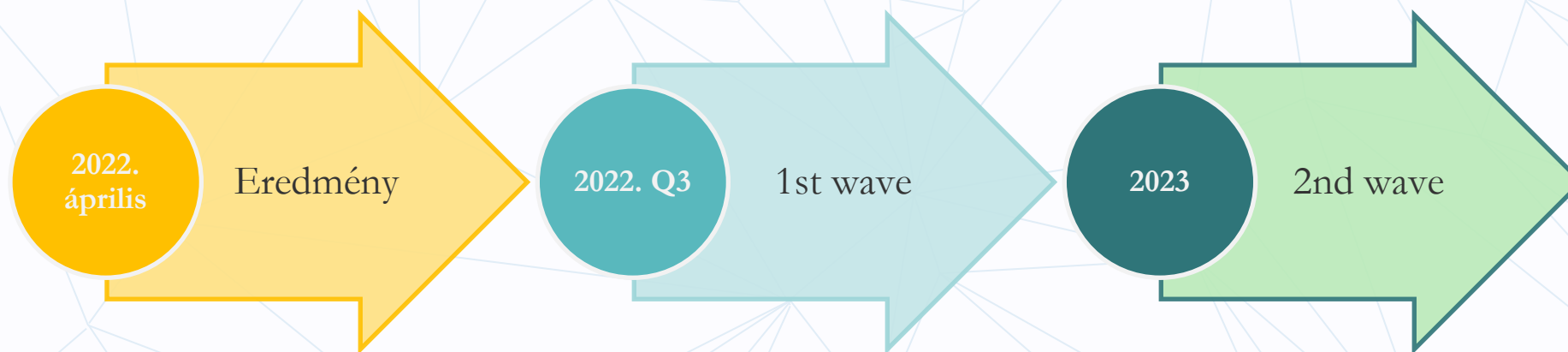
Global Knowledge Exchange Centre

Links with the New European Bauhaus

# Climate City Contracts – 100 város kiválasztása



- ✓ **377 város** jelentkezett (EU és nem-EU)
  - Jelentkezett EU-s városok a teljes EU **lakosság 18 %-a**
  - **8 magyar város**, a teljes hazai lakosság több mint **26%-a**
- ✓ 3 magyar város: **Budapest, Miskolc és Pécs** a 100 kiválasztott között



# KFI projektek a HE Munkaprogramban



## Alapelvek

- Hozzájárulás a városok klímasemlegességét célzó átfogó stratégiához
- Holisztikus és ágazatközi megközelítés
- Városok földrajzi elhelyezkedése és mérete szerinti sokféleség

## Átfogó, horizontális célok:

- Polgárok és a városi érdekeltek bevonása
- Társadalmi innováció
- Felhasználóbarát, biztonságos, fenntartható és zöld digitális szolgáltatások
- Zéró szennyezés
- Interoperabilitás és közös szabványok, standardizáció
- Megfizethetőség, társadalmi befogadás és hozzáférhetőség



Korábbi projektek tapasztalatai, folytonosság biztosítása!

HORIZON-MISS-2022-CIT-01-01:

## Inkluzív, biztonságos és fenntartható városi mobilitás tervezése

**határidő: 2022/09/06**



### INNOVATION ACTION:

Teljes rendelkezésre álló indikatív költségvetés: 42 M EUR

Projektenként előirányzott költségvetés: 8-12 M EUR

### SPECIFIC CHALLENGE:

- Fenntartható városi mobilitási tervekre építve továbbfejlődés a CIVITAS kezdeményezés segítségével
  1. A városterületi utak és közterek állapotának újraértékelése
  2. A körkörös fejlesztési elvek beemelése, a zöldterületi és mobilitási fejlesztések egyensúlyának kialakításával

HORIZON-MISS-2022-CIT-01-01:

## Inkluzív, biztonságos és fenntartható városi mobilitás tervezése



### SCOPE:

Innovatív, legjobb gyakorlatok és reprodukálható biztonságos és fenntartható városi mobilitási megoldások elterjedésének, illetve annak a mértékének és sebességének növelése „élő laboratóriumokban” (**living labs**) – legalább **4+4 városban**;

Egyensúly létrehozása a **közterületek különböző közlekedési módokhoz való hozzárendelésének** terén;

**COVID-19** városi mobilitásra gyakorolt hatásaiból adódó aggályok és lehetőségek

HORIZON-MISS-2022-CIT-01-01:

# Inkluzív, biztonságos és fenntartható városi mobilitás tervezése



## EXPECTED IMPACT:

A gyaloglás és a kerékpározás pozitív társadalmi hatásainak növelése;

Helyi hatóságok tudatosságának növelése: **lassú közlekedési infrastruktúra** térnyerése;

**Munkavállalók viselkedésbeli változása** (a lezárások utáni visszatérés: alternatív mobilitási módok előnyben részesítése);

A különlegesen sérülékeny és érzékeny faktorok kezelése (**hozzáférés, közlekedésbiztonság, okos eszközök** stb.).

# Horizont Európa Alkalmazkodás a Klímaváltozáshoz Misszió



## Vision

- **ACCELERATING THE TRANSITION TO A CLIMATE PREPARED AND RESILIENT EUROPE**

- Turning the urgent challenge of adapting to climate change into an opportunity to make Europe more resilient, climate prepared and fair





# Objectives



**Build  
resilience**

up scaling solutions that  
trigger transformations

75 demonstrators

**Accelerate transition  
to a resilient future**

designing of vision and innovation pathways  
and developing enabling conditions  
and solutions

150 communities and regions

**Prepare Europe for climate disruptions**

better understanding, preparing for and managing  
climate risks such as heatwaves, forest fires,  
droughts, floods, storms and diseases

all citizens, communities and regions in

## Target:

By 2030, all local administrative units (LAU) and regions (NUTS) will have access to climate risk profiles and enhanced early warning systems for all relevant risks, and will have adopted comprehensive climate risk management plans



- **Prepare Europe:**
- The Mission will support citizens, communities and regions to:
- **foster a better understanding** of climate risk exposure, providing access to fast track climate risk assessments and strengthening existing early warning systems;
- **facilitate the adoption of climate risk management plans** and community-based emergency plans; and
- **ensure that community infrastructure is safe and essential services operable and accessible** under critical conditions

## Target:

By 2030, 150 European communities and regions will have developed their own transformative vision; co-created adaptation pathways; co-designed and tested actionable solutions; and created favourable conditions for societal transformations.

- **Accelerate the transition:**
- The Mission will support citizens, communities and regions, to:
- **design vision and objectives**, and build consensus around transformative social change enshrined in a community resilience contract;
- **co-create adaptation pathways**, and define possible courses of policy and innovation actions to deliver on the vision, resulting in a portfolio brief for action;
- **co-design and test actionable solutions**, and share learning within and across the communities and regions; and
- **create favourable conditions for societal transformations**



## Target:

By 2030, 75 deep demonstrations have scaled-up actionable solutions that have triggered societal transformation, building deeper resilience

- **Build deep resilience:**
- Scaling up actionable solutions triggering societal transformations through 75 deep demonstrations of resilience, the Mission will
- **create impact at scale**, building of resilience in single regions and communities focusing on key community systems;
- **create cross-border value**, building of resilience and shared value creation across cross-border systems and services;
- **foster systemic and citizen-centred co-evaluation**, measuring progress made, assessing what has been accomplished and communicating the processes and outcomes



# Enabling environment



access to data,  
knowledge, digital  
services

local economies,  
economic resources

inclusive and fair  
transition

shared learning and  
policy coherence

# Key Community Systems



Community and Social Infrastructure

Health and Wellbeing

Nature, Biodiversity and Ecosystem Services

Water

Rural Landscapes and Food Systems

## Actualities – current information



- **Survey**
- **Charter**
- **Infodays & Brokerage**
- **First Climate Mission Forum**

# Survey & Charter

- Regions and communities to sign the [Mission Charter](#) are requested to fill in the [EU Survey](#).
- An assessment of the commitment of the regions and communities will lead to be invited to sign the Charter.
- Representatives from regional and local authorities will be the sole signatories of the Mission Charter. While the charter is **non-binding**, signatories declare their willingness to cooperate and align intents with other signatories, to mobilise resources and develop activities in their respective region and communities to reach the adaptation goals. Other entities, such as research institutions or businesses may endorse the Charter to declare their **support** to the Mission.



## The Mission Charter

### How?

- Fill in the dedicated [EU Survey](#)
- Evaluation of your commitments to climate adaptation by the Mission Secretariat
- Get invited to sign the Mission Charter

### When?

No deadline to apply. Open and inclusive process.  
HURRY UP !!! First signatories will be announced at the First Mission Forum

### Who?

Representatives from regional and local authorities will sign the Mission Charter on behalf of their respective authorities.





## Mission Charter

### What?

Gain access to the services of the **Mission Implementation Platform** (early 2023):

- Help with accessing knowledge and methods on **climate risk assessments**
- Access to **best practice examples** from other regions and information on the latest research results
- Support with linking these examples and research results with **local adaptation plans, roadmaps or adaptation pathways**
- Access to tools, examples and best practices for **interacting and engaging with citizens**
- Advice on possible **public and private funding sources** for adaptation.

3



EUROPEAN UNION

# EU MISSIONS



**SAVE THE DATE**  
**INFO DAYS 2022**  
**17 & 18 May**

HORIZON EUROPE

#EUmissions

#HorizonEU

**Concrete solutions for our greatest challenges**

[https://ec.europa.eu/info/research-and-innovation/events/upcoming-events/horizon-europe-info-days/eu-missions\\_en](https://ec.europa.eu/info/research-and-innovation/events/upcoming-events/horizon-europe-info-days/eu-missions_en)



The on-line international brokerage event organised on 19 May will be dedicated to gather all the relevant stakeholders intending to apply for funding in the new calls included in the updated EU Missions work programme. **This event will help potential applicants to build their consortium for the upcoming 2022 calls, which will be open from May 2022 to September 2022.**

<https://eu-missions-brokerage-event.b2match.io/>



**ADAPTATION TO CLIMATE CHANGE**

**FIRST FORUM on the Mission Adaptation to Climate Change**

**7 JUNE 2022**

**#EUmissions #HorizonEU #MissionClimate**



Register to the FORUM:

[https://scic.ec.europa.eu/ew/register/dgscic/1st\\_Forum\\_MACC/e/1k/g/39310/k/](https://scic.ec.europa.eu/ew/register/dgscic/1st_Forum_MACC/e/1k/g/39310/k/)

Hybrid: in the European Committee of Regions in Brussels & online

It will bring together regional and local authorities, members of the European Parliament, of the Committee of Regions, research organisations and non-governmental organisations.

The annual Forum will be the moment to take stock, to identify issues, to provide direction and to define the path ahead for the Mission. It will also present the situation in Europe regarding adaptation to climate change and will gather input from regions, including on intentions to participate in the Mission.

# Calls – where to find them

The screenshot shows the European Commission's 'Funding & tender opportunities' portal. The browser address bar displays the URL: <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-search;callCode=nu>. The page title is 'Funding & tender opportunities' and it is part of the 'Single Electronic Data Interchange Area (SEDIA)'. The navigation menu includes 'SEARCH FUNDING & TENDERS', 'HOW TO PARTICIPATE', 'PROJECTS & RESULTS', 'WORK AS AN EXPERT', and 'SUPPORT'. The main content area is titled 'Horizon Europe (HORIZON)'. A notification banner states: 'The document repository system will be under maintenance and all operations on documents will not be possible on Monday, 16.05.2022, between 07:30 and 08:10 CET. Please refrain from launching any document-related process, since these will not work and moreover, will have to be restored by the Service Desk.' The search filters on the left include: 'Type your Keywords...', 'Match whole words only' (checked), 'GRANTS' (checked), and 'TENDERS' (checked). The 'Submission status' section shows 'Open for submission (6)'. The 'Programming period' is set to '2021 - 2027 (6)'. The 'Horizon Europe (HORIZON)' filter is active. The search results are titled 'Funding and tenders (6)'. The first call is 'User driven applications and tools for regional and local authorities, and other end users focusing on climate impacts, data and knowledge' (HORIZON-MISS-2022-CLIMA-01-01). The second call is 'Unlocking of financial resources for investments into climate resilience' (HORIZON-MISS-2022-CLIMA-01-02). The third call is 'Testing and demonstrating transformative solutions on climate resilience, mainstreaming nature based solutions in the systemic transformation' (HORIZON-MISS-2022-CLIMA-01-06). The fourth call is 'Best practices on and piloting insurance solutions for climate adaptation in EU regions and communities' (HORIZON-MISS-2022-CLIMA-01-03). Each call entry includes details such as Programme, Type of action, Opening date, Status, Deadline model, and Deadline date. The status for all calls is 'Open for submission'.

[LINK to Climate adaptation mission open calls](#)

# Calls

- **Research and Innovation actions (RIA & IA) in support of the implementation of the Adaptation to Climate Change Mission**
- **Deadline: 27 September, 2022**
- User driven applications and tools for regional and local authorities, and other end users focusing on climate impacts, data and knowledge. HORIZON-MISS-2022-CLIMA-01-01
- Unlocking of financial resources for investments into climate resilience HORIZON-MISS-2022-CLIMA-01-02
- Unlocking of financial resources for investments into climate resilience HORIZON-MISS-2022-CLIMA-01-02
- Transformation of regional economic systems for climate resilience and sustainability HORIZON-MISS-2022-CLIMA-01-04
- Boost the sponge function of landscape as a way to improve climate-resilience to water management challenges HORIZON-MISS-2022-CLIMA-01-05
- Testing and demonstrating transformative solutions on climate resilience, mainstreaming nature based solutions in the systemic transformation HORIZON-MISS-2022-CLIMA-01-06

Call	<u>User driven applications and tools for regional and local authorities, and other end users focusing on climate impacts, data and knowledge.</u>
Code	HORIZON-MISS-2022-CLIMA-01-01
Type of action	RIA Research and Innovation Actions
Project budget	2-3M €
Call Budget	6M €
Nb of projects	2
Deadline date	27 September 2022 17:00:00 Brussels time
Scope	<p>The successful proposal will develop new technologies addressing access to key <b>climate data and information services</b>; such technologies will use improved user-defined and user-friendly tools tailored to regional and community level applications for adaptation to climate change able to build climate resilience in all sectors/services involved; the focus will be on case-specific climatological and physical conditions critical for the areas mentioned in the Mission Implementation Plan</p> <p>Demonstrated application in at least 5 EU regions or communities</p>

Call	<a href="#"><u>Unlocking of financial resources for investments into climate resilience</u></a>
Code	HORIZON-MISS-2022-CLIMA-01-02
Type of action	RIA Research and Innovation Actions
Project budget	5-6M €
Call Budget	6M €
Nb of projects	1
Deadline date	27 September 2022 17:00:00 Brussels time
Scope	the Mission's aim to help facilitate the translation of adaptation strategies into investments on the ground, the proposal should cover a broad range of financing approaches, mechanisms and initiatives, from different governmental levels and private sources, covering as much as possible all innovation areas of the Mission



Call	<a href="#"><u>Best practices on and piloting insurance solutions for climate adaptation in EU regions and communities</u></a>
Code	HORIZON-MISS-2022-CLIMA-01-03
Type of action	RIA Research and Innovation Actions
Project budget	2-3M €
Call Budget	6M €
Nb of projects	2
Deadline date	27 September 2022 17:00:00 Brussels time
Scope	<ol style="list-style-type: none"> <li>1. Best practices and filling the gaps on insurance coverage for climate adaptation</li> <li>2. Trialing and experimentation of insurance solutions in EU regions and communities</li> </ol>

Call	<a href="#"><u>Transformation of regional economic systems for climate resilience and sustainability</u></a>
Code	HORIZON-MISS-2022-CLIMA-01-04
Type of action	RIA Research and Innovation Actions
Project budget	5-6M €
Call Budget	6M €
Nb of projects	1
Deadline date	27 September 2022 17:00:00 Brussels time
Scope	<p><b>Sharing relevant state-of-the-art knowledge</b>, best practices and emerging innovations and solutions relevant to the transformation of all regional economic systems that are affected by climate change in the regional economic systems to become climate resilient.</p> <p>Research and <b>test innovative solutions</b>, not only technically but also socially feasible, using the activities ongoing in the regions and communities as case studies to better understand their success factors and experiment with new innovative ways of preparing regional economic systems and their industries to become climate resilient and sustainable, and to <b>feed this information back to all regions and communities.</b></p>

Call	<u><a href="#">Boost the sponge function of landscape as a way to improve climate-resilience to water management challenges</a></u>
Code	HORIZON-MISS-2022-CLIMA-01-05
Type of action	RIA Research and Innovation Actions
Project budget	2-3M €
Call Budget	3M €
Nb of projects	1
Deadline date	27 September 2022 17:00:00 Brussels time
Scope	Effectively increasing or restoring the natural water retention function of the landscape, both through improving the way soil, ground water, surface water and ecosystems are managed, will generate many ecosystem services for a relative low price, bringing benefits to a whole array of different functions.



[https://ec.europa.eu/info/research-and-innovation/funding/funding-opportunities/funding-programmes-and-open-calls/horizon-europe/eu-missions-horizon-europe/healthy-oceans-sea-coastal-and-inland-waters\\_en](https://ec.europa.eu/info/research-and-innovation/funding/funding-opportunities/funding-programmes-and-open-calls/horizon-europe/eu-missions-horizon-europe/healthy-oceans-sea-coastal-and-inland-waters_en)

Call	<a href="#"><u>Testing and demonstrating transformative solutions on climate resilience, mainstreaming nature based solutions in the systemic transformation</u></a>
Code	HORIZON-MISS-2022-CLIMA-01-06
Type of action	IA Innovation Actions ( <b>TRL 6 to 7</b> by the end of the project)
Project budget	12-20M €
Call Budget	88 315 382 €
Nb of projects	5
Deadline date	27 September 2022 17:00:00 Brussels time
Scope	Develop and test <b>innovative solutions, combining technological and social innovation</b> , leading to an increase of the resilience and adaptation capacity to climate change in the involved regions and communities, assuring that <b>nature based solutions</b> are explored as priority include at least <b>5 regions</b> /communities located in at least <b>3 different EU Member States</b> & <b>3 „replicating” regions</b>

## Useful links to the Mission on Adaptation to Climate Change



- Climate Mission official website: [https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/horizon/wp-call/2021-2022/wp-12-missions\\_horizon-2021-2022\\_en.pdf](https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/horizon/wp-call/2021-2022/wp-12-missions_horizon-2021-2022_en.pdf)
- Work Programme 2022: [https://ec.europa.eu/info/research-and-innovation/funding/funding-opportunities/funding-programmes-and-open-calls/horizon-europe/eu-missions-horizon-europe/adaptation-climate-change-including-societal-transformation\\_en](https://ec.europa.eu/info/research-and-innovation/funding/funding-opportunities/funding-programmes-and-open-calls/horizon-europe/eu-missions-horizon-europe/adaptation-climate-change-including-societal-transformation_en)
- Implementation Plan: [https://ec.europa.eu/info/sites/default/files/research\\_and\\_innovation/funding/documents/climat\\_mission\\_implementation\\_plan\\_final\\_for\\_publication.pdf](https://ec.europa.eu/info/sites/default/files/research_and_innovation/funding/documents/climat_mission_implementation_plan_final_for_publication.pdf)
- NKFIH HE portal: <https://www.horizonteuropa.nkfi.gov.hu/palyazas/aktualis-felhivasok>

# Köszönöm a figyelmüket!

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**Energetikai NCP**

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Nemzeti Kutatási, Fejlesztési és Innovációs Hivatal

[www.nkfi.gov.hu](http://www.nkfi.gov.hu)

<http://www.horizonteuropa.nkfi.gov.hu/>