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JORNADA MISIONES HORIZONTE EUROPA: NOVEDADES Y CONVOCATORIAS 2022

16/JUNIO/2022

Misión Europea

Adaptación al Cambio Climático

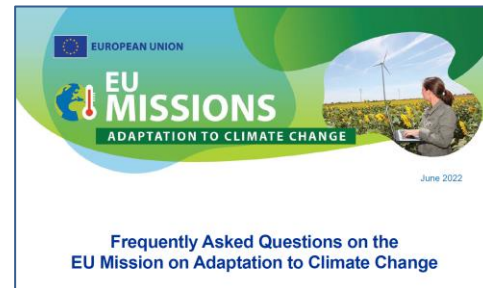


HORIZONTE

EUROPA
@HorizonteEuropa

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Información de utilidad....



Misiones Europeas

Adaptation to
Climate Change



Climate-
neutral and
Smart Cities



Five EU
Missions

Soil Deal for
Europe



Cancer



Restore our
Ocean and
Waters



Misiones Europeas

Qué son / Cómo son???

- Una **nueva manera** de traer/conseguir **soluciones concretas** para algunos de nuestros mayores retos.
- **Impacto**. Nuevas formas de **gobernanza** y **colaboración**, con el **compromiso ciudadano**. Nuevo rol de **I+D**.
- **Atractivas, inspiradoras** y con **amplia relevancia social**.
- Con una **dirección clara, medible** y con un **plazo determinado**.
- **Ambiciosas pero realistas**.
- **Interdisciplinar, intersectorial y multi-actor**.
- **Múltiples soluciones.....de “abajo-arriba”**.



Contenido

- Políticas, Iniciativas, Compromisos....
- Misión Europea – Adaptación al Cambio Climático
- Convocatorias 2022 - Horizonte Europa

Un poco de contexto....

SIXTH ASSESSMENT REPORT

Working Group II – Impacts, Adaptation and Vulnerability

ipcc
INTERGOVERNMENTAL PANEL ON climate change



Key risks for Europe under low to medium adaptation

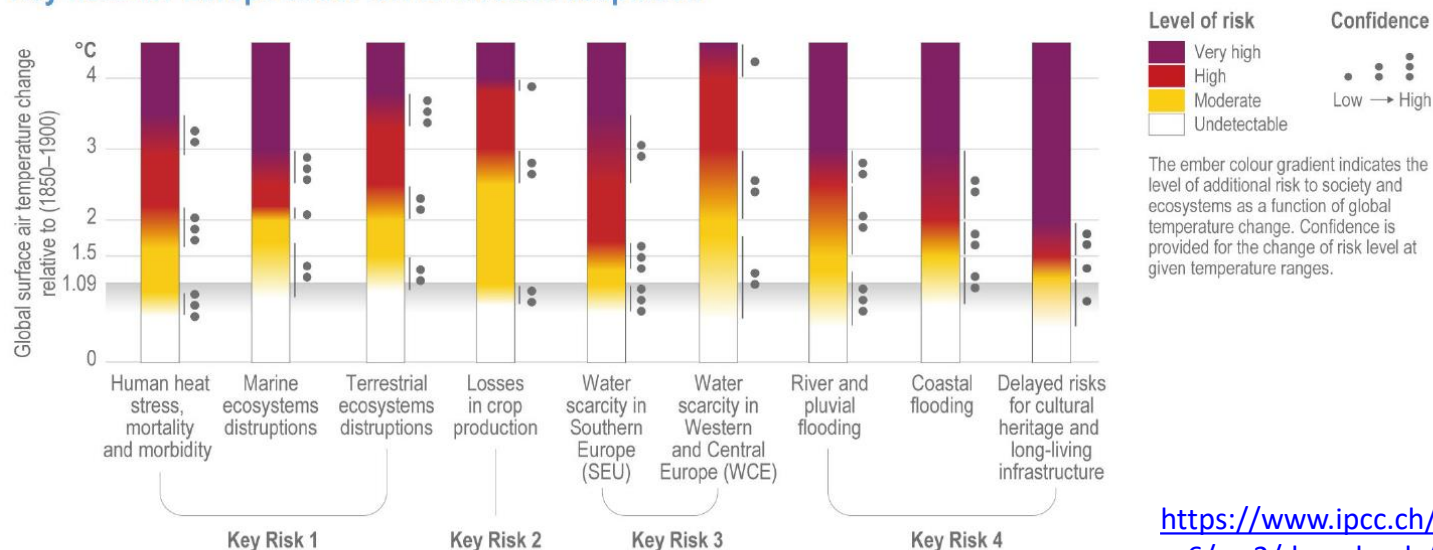


Figure 2: Burning ember diagrams for key risks for Europe with low to medium adaptation. {Figure 13.28}

https://www.ipcc.ch/report/ar6/wg2/downloads/outreach/IPCC_AR6_WGII_FactSheet_Europe.pdf

Contenido

- Políticas, Iniciativas, Compromisos....
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Políticas, Iniciativas, Compromisos.....

SUSTAINABLE DEVELOPMENT GOALS



.....and others



Qué es el Pacto Verde Europeo

Diciembre de 2019

#EUGreenDeal

El Pacto Verde Europeo consiste en **mejorar el bienestar de las personas**. Conseguir que Europa sea climáticamente neutra y proteger nuestro hábitat natural redundará en beneficio de las personas, el planeta y la economía. No permitiremos que nadie se quede atrás.

La UE se propone:



Ser climáticamente neutra de aquí a 2050



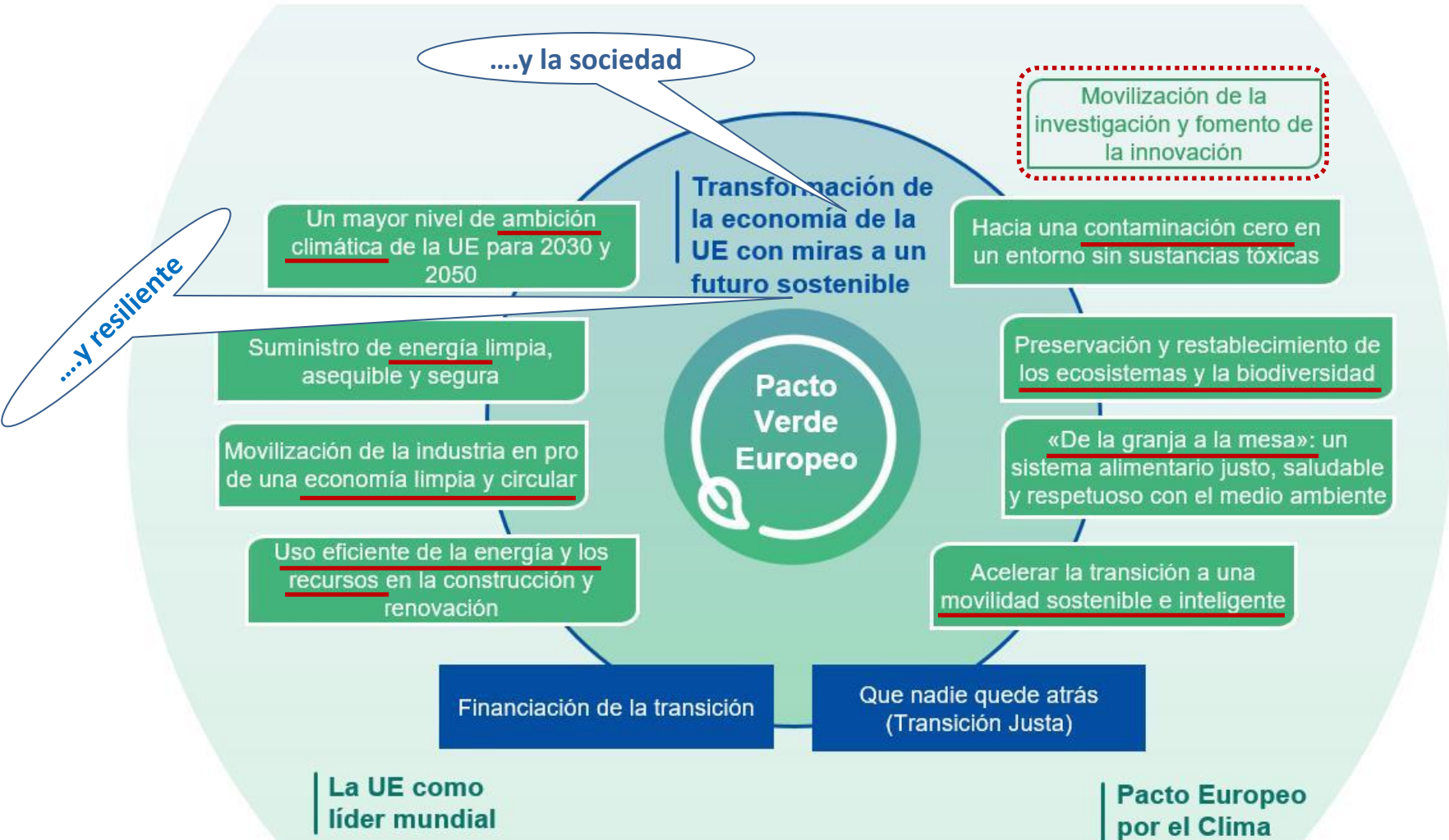
Proteger la vida humana, los animales y las plantas, reduciendo la contaminación



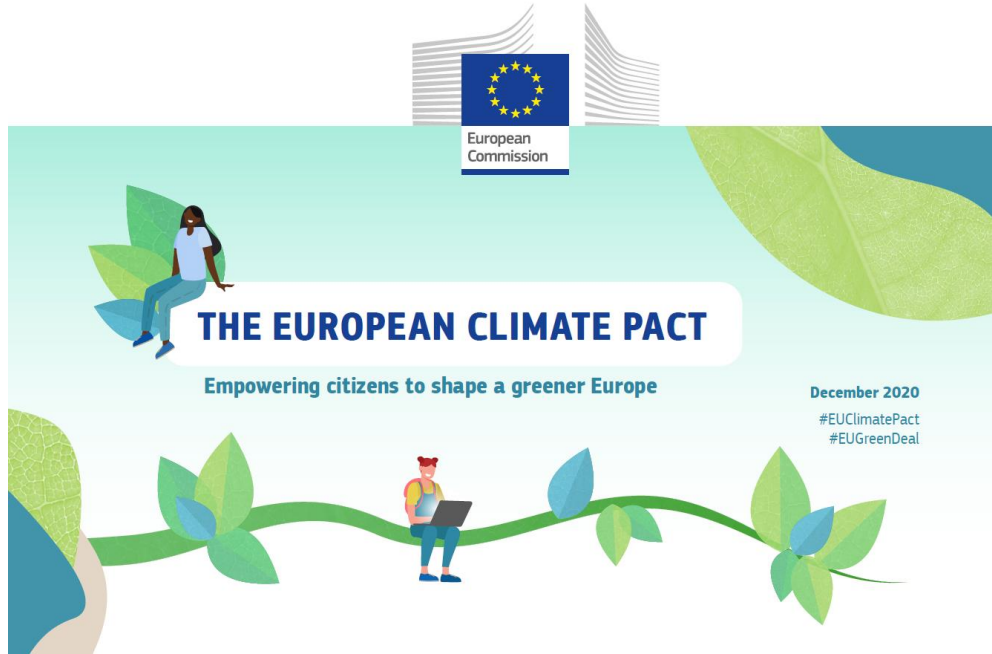
Ayudar a las empresas a convertirse en líderes mundiales en productos y tecnologías limpios



Contribuir a garantizar una transición justa e integradora



Del Clima y los Ciudadanos



EU initiative aimed to **people, communities and organizations** to:

- Connect and share knowledge
- Learn about climate change
- Develop, implement and scale up solutions

https://ec.europa.eu/clima/policies/eu-climate-action/pact_en

Estrategia UE de Adaptación al Cambio Climático

Visión: en 2050 la UE será una sociedad resiliente al clima y adaptada a los impactos inevitables del cambio climático

Objetivos:

- Más inteligente (“**smarter**”)
- Más rápida (“**faster**”)
- Más sistémica (“**systemic**”)

+

Colaboración internacional



https://ec.europa.eu/clima/policies/adaptation/what_en

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Área de Misión

**“Adaptación al Cambio Climático
Incluyendo la Transformación Social”**



Misión

“Adaptación al Cambio Climático”



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Misión de Adaptación al Cambio Climático



EUROPEAN UNION

EU MISSIONS
ADAPTATION TO CLIMATE CHANGE

29 September 2021

Concrete solutions for our greatest challenges

CHALLENGES

- **Climate change** is an immediate threat to our **health, economy and way of life**.
- We are experiencing increased floods, hurricanes, forest fires, heatwaves and droughts.
- In the EU, the impact of climate change already costs at least **€12 billion per year**.

OPPORTUNITIES

- **Be prepared** for inevitable changes and extreme events;
- **Share experiences** and solutions;
- **Prevent** significant economic losses.

GOAL

Support at least 150 European regions and communities to become climate resilient by 2030

ACTIONS

- The Horizon Europe programme will provide **€368.3 million** in seed funding during the period 2021-23 to help deliver on the mission;
- Establish a **Mission Implementation Platform** to support and coordinate delivering the mission and assist participating regions;
- The mission will **start working with 60-100 regions** between 2021-23, and continue with another 50-100 regions.



European Commission

European Missions

Adaptation to Climate Change

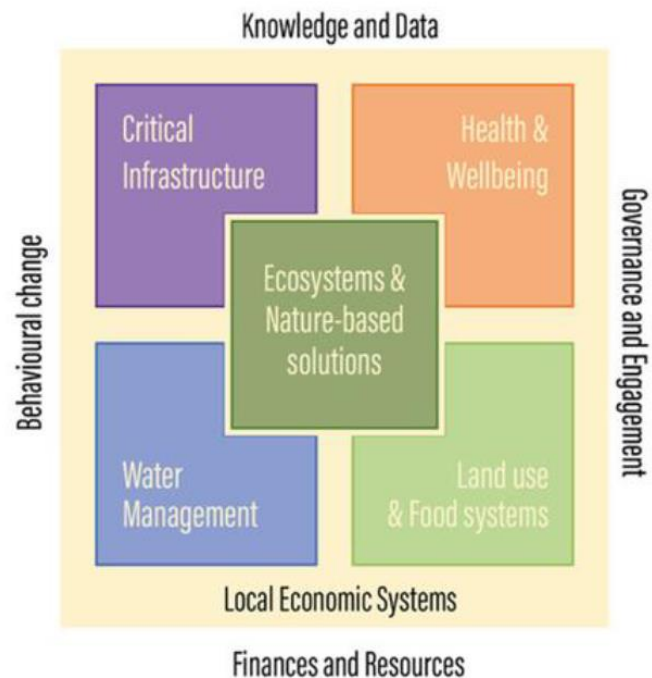
Support at least 150 European regions and communities to become climate resilient by 2030

Implementation Plan

Misión de Adaptación al CC - Objetivos



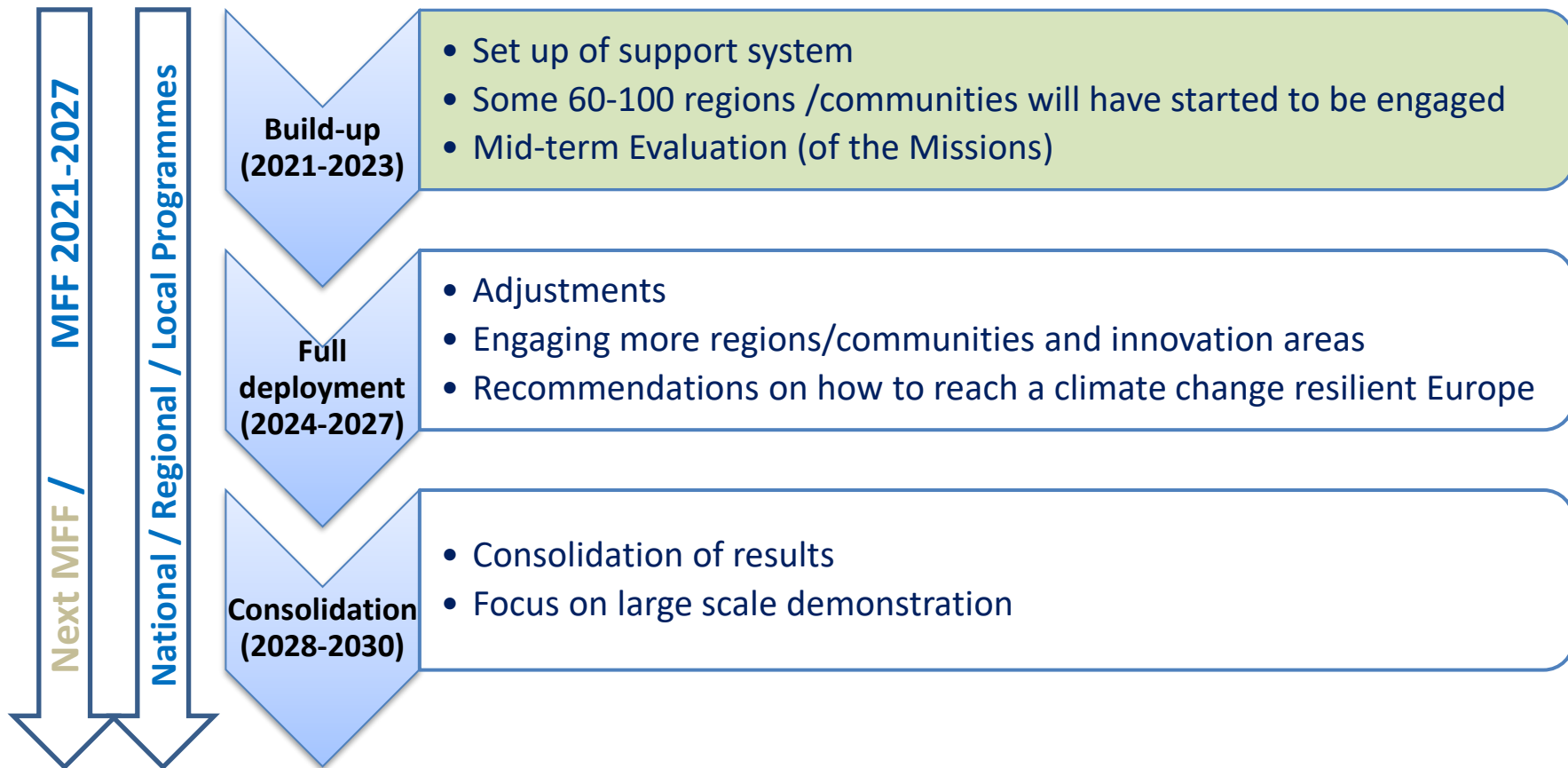
Una Europa resiliente al Cambio Climático en 2030



Misión de Adaptación al CC – Plan de Implementación

FONDOS

FASES de IMPLEMENTACIÓN

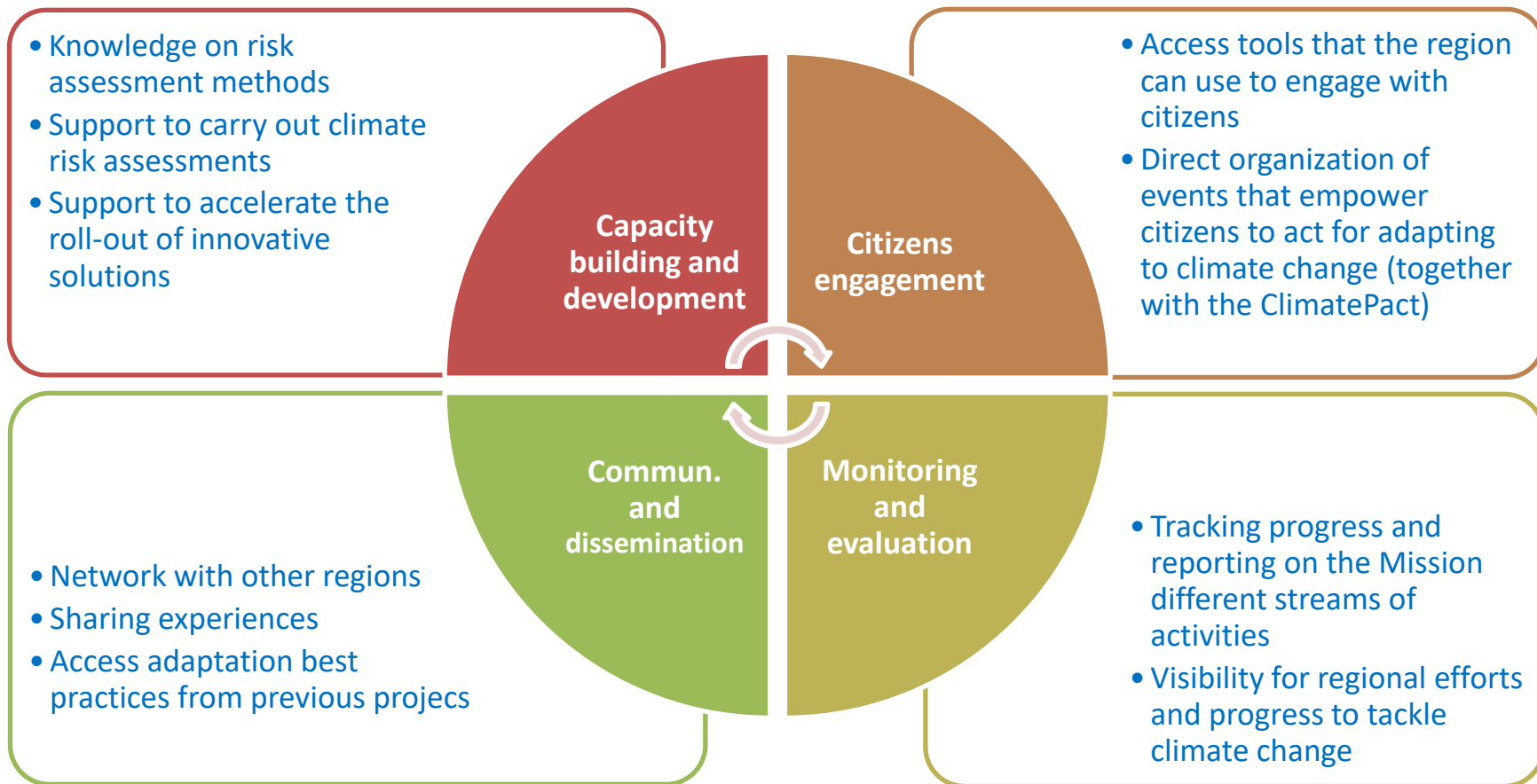


Algunas acciones....

- **H2020 – EU Green Deal call**
- **Horizon Europe Work Programmes**
 - *Calls 2021 already closed*
 - **Calls 2022 are OPEN**
 - Calls 2023....definition in progress
- **Mission Charter** (launched 14/March/2022)
- **Mission Forum** (7/June/2022)
- **Mission Implementation Platform** (beginning 2023)

Convocatorias 2022
– Horizonte Europa

Misión Plataforma de Implementación (2023)



Mission Forum

- Elemento de la **gobernanza de la misión**
- Reunión anual
- **Feedback y recomendaciones** sobre el desarrollo e implementación de la misión
- Todo tipo de actores
- **1st Forum → 7/Junio**

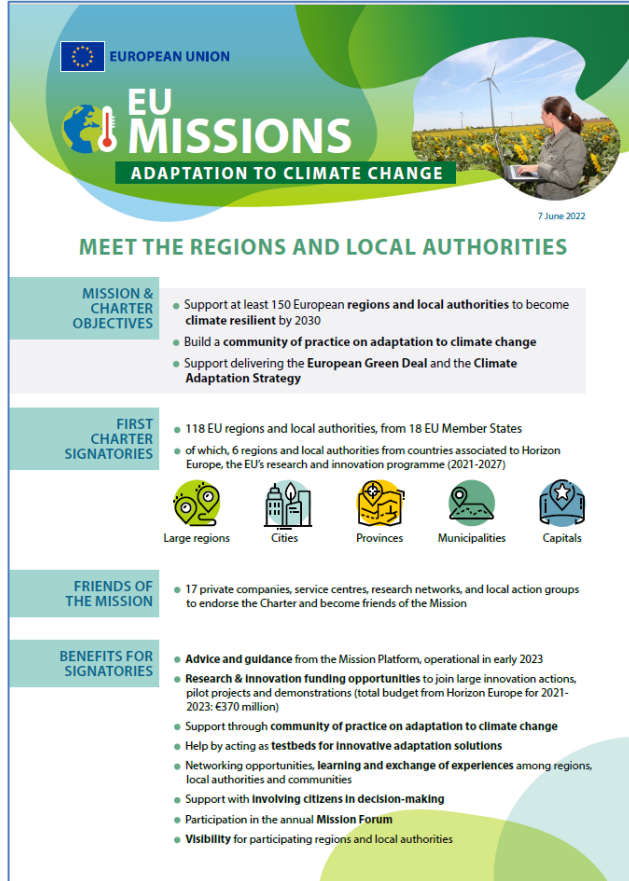


“Mission Charter”

- Invitation to join the Mission Adaptation to Climate Change
- Become part of a community of practice on adaptation to climate change
- Opportunity to network and share with other regions and communities in Europe
- Invitation is open for “signatories” and “friends”



“Mission Charter” primeros compromisos



The poster features the European Union flag and the text 'EU MISSIONS ADAPTATION TO CLIMATE CHANGE' with a date of '7 June 2022'. It includes a photograph of a woman working on a laptop in a field with wind turbines in the background. The poster is divided into four main sections: Mission & Charter Objectives, First Charter Signatories, Friends of the Mission, and Benefits for Signatories.

EUROPEAN UNION

EU MISSIONS
ADAPTATION TO CLIMATE CHANGE

7 June 2022

MEET THE REGIONS AND LOCAL AUTHORITIES

MISSION & CHARTER OBJECTIVES

- Support at least 150 European regions and local authorities to become **climate resilient** by 2030
- Build a **community of practice on adaptation to climate change**
- Support delivering the **European Green Deal** and the **Climate Adaptation Strategy**

FIRST CHARTER SIGNATORIES

- 118 EU regions and local authorities, from 18 EU Member States
- of which, 6 regions and local authorities from countries associated to Horizon Europe, the EU's research and innovation programme (2021-2027)

Large regions Cities Provinces Municipalities Capitals

FRIENDS OF THE MISSION

- 17 private companies, service centres, research networks, and local action groups to endorse the Charter and become friends of the Mission

BENEFITS FOR SIGNATORIES

- Advice and guidance** from the Mission Platform, operational in early 2023
- Research & innovation funding opportunities** to join large innovation actions, pilot projects and demonstrations (total budget from Horizon Europe for 2021-2023: €370 million)
- Support through **community of practice on adaptation to climate change**
- Help by acting as **testbeds for innovative adaptation solutions**
- Networking opportunities, **learning and exchange of experiences** among regions, local authorities and communities
- Support with **involving citizens in decision-making**
- Participation in the annual **Mission Forum**
- Visibility** for participating regions and local authorities



SPAIN

Aragon
Ayuntamiento de
Soutomaioir
Balearic Islands
Basque Country
Castilla La Mancha
Catalonia
City of Vitoria-Gasteiz
Comunitat Valenciana
Extremadura
Gran Canaria
La Rioja
Malaga City Council
Navarra
Principality of Asturias
Province of Granada
Región de Murcia

Contenido

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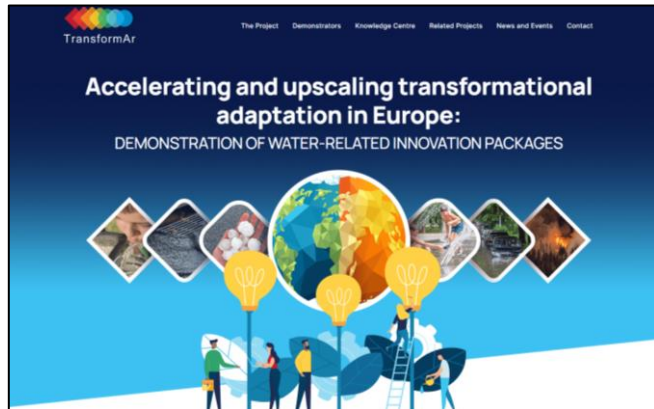
Horizonte Europa (2021 – 2027)

PILAR 1 – CIENCIA EXCELENTE		25.011	PILAR 2 - RETOS MUNDIALES Y COMPETITIVIDAD INDUSTRIAL EUROPEA		53.516	PILAR 3 – EUROPA INNOVADORA		13.597
ERC - Consejo Europeo de Investigación	16.004	Clúster 1 - Salud	8.246	EIC- Consejo Europeo de Innovación	10.105			
MSCA - Acciones Marie Skłodowska-Curie	6.602	Clúster 2 - Cultura, creatividad y sociedad inclusiva	2.280	Ecosistemas de innovación europea	527			
Infraestructuras de investigación	2.406	Clúster 3 - Seguridad	1.596	EIT - Instituto Europeo de Innovación y Tecnología	2.965			
		Clúster 4 - Digital, industria y espacio	15.349					
		Clúster 5 - Clima, energía y movilidad	15.123					
		Clúster 6 - Alimentación, bioeconomía recursos naturales, agricultura y medio ambiente	8.952					
		JRC – Centro Común de Investigación	1.970					
Ampliar la Participación y Fortalecer el Espacio Europeo de Investigación			3.393					
Ampliar la participación y difundir la excelencia			2.955					
Reformar y mejorar el sistema europeo de la I+i			438					

* Presupuesto en M€ (precios corrientes)

** Fondos de NextGenerationEU incluidos

H2020 – EU Green Deal call ➡ Mission Climate



Misión : WP 2021/2022 – Algunos detalles

De las INTRODUCCIONES:

- **WP →**
 - Definición de Misiones Europeas
 - Alineamiento con los planes de implementación de las misiones
- **Misión de Adaptación al Cambio Climático →**
 - Aproximación regional/local/comunidades
 - “Front runners” vs. “less developed/more vulnerable regions”
 - Abordando los tres objetivos de la misión, pero evolucionando de 2021 a 2022
 - “Portfolio approach”
- **Misión Adaptación – Convocatoria 2022 → Impacts:** 
 - Accelerate the transformation to a climate resilient future in a number of regions
 - Deploy at full scale the systemic transformations locally needed to build climate resilience.

Misión : WP 2021/2022 – Algunos detalles

Call	OPENING	DEADLINES Single Stage	Estimated BUDGET (M€)	TYPE of ACTIONS
HORIZON-MISS-2021-CLIMA-01	<i>22/06/2021</i>	<i>14/09/2021</i>	<i>5</i>	<i>CSA</i>
HORIZON-MISS-2021-CLIMA-02	<i>11/01/2022</i>	<i>12/04/2022</i>	<i>110</i>	<i>RIAs + IA</i>
HORIZON-MISS-2022-CLIMA-01	<i>12/05/2022</i>	27/09/2022	115.32	RIAs + IA
HORIZON-MISS-2022-OCEANCLIMA-01	<i>12/05/2022</i>	27/09/2022	20	IA

HE - WP 2021-2022 Mission Climate*

WP 2021

- A common climate risk assessment framework
- Support to develop climate resilience building strategies and plans
- Mission Implementation Platform as key supporting structure

WP 2022

- Support Regions and Communities with research in key innovation areas
- Develop and test solutions with a large cohort of Regions and Communities.
- Synergies with Ocean Mission on coastal resilience in the Atlantic/Arctic



Call HORIZON-MISS-2022-CLIMA

Topic code	Topic title	ToA	2022 budget (M€)	Estimated EU contribution (M€)	Nº expected grants
HORIZON-MISS-2022-CLIMA-01-01	User driven applications and tools for regional and local authorities, and other end users focusing on climate impacts, data and knowledge	RIA	6	2 - 3	2
HORIZON-MISS-2022-CLIMA-01-02	Unlocking of financial resources for investments into climate resilience	RIA	6	5 - 6	1
HORIZON-MISS-2022-CLIMA-01-03	Best practices on and piloting insurance solutions for climate adaptation in EU regions and communities	RIA	6	2 - 3	2
HORIZON-MISS-2022-CLIMA-01-04	Transformation of regional economic systems for climate resilience and sustainability	RIA	6	5 - 6	1
HORIZON-MISS-2022-CLIMA-01-05	Boost the sponge function of landscape as a way to improve climate-resilience to water management challenges	RIA	3	2 - 3	1
HORIZON-MISS-2022-CLIMA-01-06	Testing and demonstrating transformative solutions on climate resilience , mainstreaming NBSs in the systemic transformation	IA	88,32	12 - 20	5
HORIZON-MISS-2022-OCEANCLIMA-01-01	Mission Climate adaptation and Mission Ocean and waters - Joint demonstration for coastal resilience in the Arctic and Atlantic sea basin	IA	20	20	1

Opening: 12 / 05 / 2022

Deadline: 27 / 09 / 2022

HORIZON-MISS-2022-CLIMA-01-01: **User driven applications and tools** for regional and local authorities, and other end users **focusing on climate impacts, data and knowledge**

Some details:

- Related to the Mission's first and second objectives
- RIA but..... “demonstrate applications in at least 5 EU regions or communities”
- Improve of data/tools/services accessibility and usability + Data availability and accessibility gaps.
- Tools → decision support tool integrating socio-economic aspects (key community systems) and assessing risk-reduction benefits.
- Local dimension but.... replication in further regions and communities.



HORIZON-MISS-2021-CLIMA-01-02: Unlocking of **financial resources** for investments into climate resilience

Some details:

- Contributing to the 3 objectives of the Mission
- RIA but..... “testing solutions that help to mobilize financing and resources”.
- Provide direct pragmatic, hands-on advisory support to the regions and communities.
- Undertake research and innovative financing solutions.
- Ensure synergies between the Mission and other relevant programmes/initiatives.
- Local dimension but.... replication in further regions and communities.



HORIZON-MISS-2022-CLIMA-01-03: Best practices on and piloting **insurance solutions for climate adaptation** in EU regions and communities

Some details:

- Contributing to the 3 objectives of the Mission
- RIA but..... “to test novel insurance solutions, insurance products and risk-transfer mechanisms”.
- Proposals should address in at least 3 regions/communities:
 1. Best practices and filling the gaps on insurance coverage for climate adaptation
 2. Trialing and experimentation of insurance solutions
- Insurance and/or re-insurance companies as “associated partners”.



HORIZON-MISS-2022-CLIMA-01-04: **Transformation of regional economic systems** for climate resilience and sustainability

Some details:

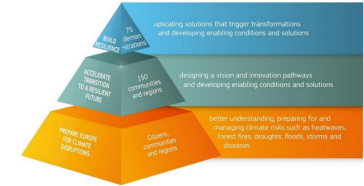
- Contributing to the 3 objectives of the Mission
- RIA but..... “finding, innovating and testing solutions that help their economic systems to become sustainable and climate resilient”.
- Proposals should address these main aspects:
 1. To provide direct support to regions/communities sharing knowledge
 2. To undertake research and test innovative solutions (technical and social feasible)
 3. To ensure synergies with other relevant programmes and initiatives.
- Local dimension but.... replication in further regions and communities.



HORIZON-MISS-2022-CLIMA-01-05: Boost the **sponge function of landscape** as a way to improve climate-resilience to **water management challenges**

Some details:

- Related to the Mission's **second objective**.
- RIA but..... “to support knowledge dissemination and to test solutions that help the management of areas”.
- **Whole system** of soil, water and vegetation (ecosystem).
- Collect the **best available knowledge** (including local and traditional, and also H2020 projects).
- **Case studies** to understand their **success factors**.
- **Nature-based solutions** / **Passive management** of land



HORIZON-MISS-2022-CLIMA-01-06: **Testing and demonstrating transformative solutions** on climate resilience, mainstreaming **nature based solutions** in the systemic transformation

Some details:

- Related to the Mission's second objective.
- Develop and test innovative solutions, combining technological and social innovation
- Regional and local scale with tailor-made responses and measures.
- Build systemic climate resilience, addressing the multi-risks locally identified as climate vulnerability, in a systemic approach.
- Identification of biogeographical areas (EEA definition) → Portfolio
- Check eligibility conditions!!!!



HORIZON-MISS-2022-OCEANCLIMA-01-01: Mission Climate adaptation and Mission Ocean and Waters - Joint demonstration for **coastal resilience in the Arctic and Atlantic sea basin**

Some details:

- Contributing to both missions: Climate and Ocean and Waters
- Synergetic transformation to climate neutrality and climate resilience in coastal areas.
- Basin scale approach + Systemic approach
- Nature-based solutions/infrastructures to boost coastal resilience. But hybrid solutions could also be considered.
- Citizen engagement: local authorities, local communities, ...
- Demo activities in 5 different regions + Involve at least 10 “associated regions”

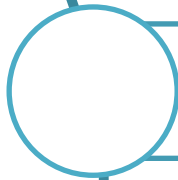
Contenido

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A modo de conclusión.....



Misiones: una **manera distinta** de abordar los **grandes retos** de la UE



Misiones: Más que I+D pero **I+D son esenciales**



Dirigida **regiones, administraciones locales y comunidades**



Transformadora, trans- y multi-disciplinar, multi-actor

Estáis trabajando en una propuesta?????



Taller coordinadores Horizonte Europa: Clúster 5 - Clima y
Clúster 6 – Alimentación, Bioeconomía, Recursos Naturales, Agricultura y Medioambiente

Convocatorias 2022 – FASE 2

22 de junio 2022, de 10 a 13:00h

Por videoconferencia (vía Teams)

Contactad conmigo:
lydia.gonzalez@cdti.es

Información de utilidad.....



EU MISSIONS

Concrete solutions for our greatest challenges

INFO DAYS

HORIZON EUROPE

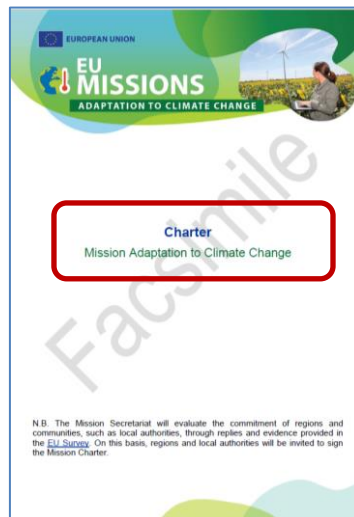
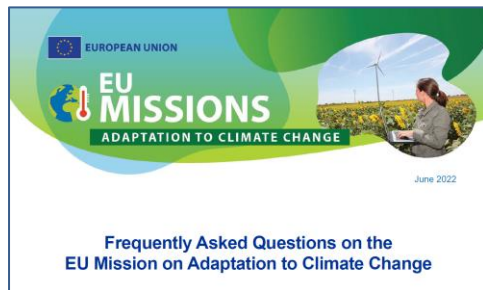
17 AND 18 MAY 2022

ONLINE

[EU Missions info days](#)

The event will provide specific information on the new Missions' Work Programme calls, funding opportunities and timelines.

This block contains a banner for EU Missions Info Days. It features a row of icons representing different mission areas: a globe with a thermometer, a purple ribbon, a city skyline, a water drop, and a plant. The text is in a clean, sans-serif font.





¡Muchas gracias!



DISCLAIMER



The contents of this presentation are for informal guidance and discussion purposes only.

In **no circumstance** the content of these slides can substitute the information provided in the official documents and guidelines.



+ info sobre programas y ayudas
para la
internacionalización de la I+D+I española



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