

#innovacion  
#ayudascdti  
#asesoramiento  
#internacionalizacion



@CDTIoficial

## Horizonte Europa – Convocatorias 2021

### *Misión de Adaptación al Cambio Climático*



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21/febrero/2022

# Enlaces de interés



EUROPEAN UNION

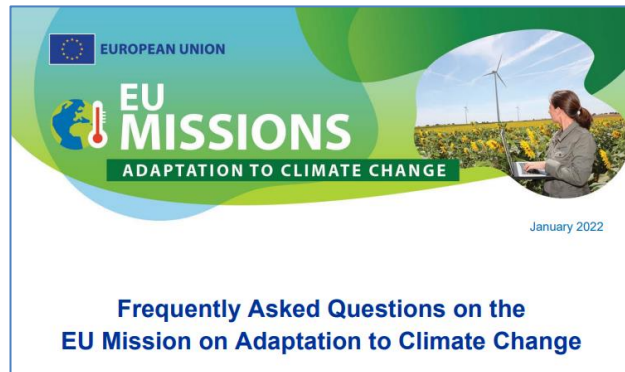
## EU MISSIONS

Concrete solutions for our greatest challenges

A European mission on Adaptation to Climate Change

#MissionClimate #EUmissions #HorizonEU

Small icons: globe with thermometer, pink ribbon, city buildings, water drop, and plant growing from soil.



EUROPEAN UNION

## EU MISSIONS

ADAPTATION TO CLIMATE CHANGE

January 2022

Frequently Asked Questions on the EU Mission on Adaptation to Climate Change

Image of a woman working on a laptop in a field with wind turbines.



## EU MISSIONS

Concrete solutions for our greatest challenges

### INFO DAYS

HORIZON EUROPE

18 AND 19 JANUARY 2022

ONLINE

[EU Missions info days](#)

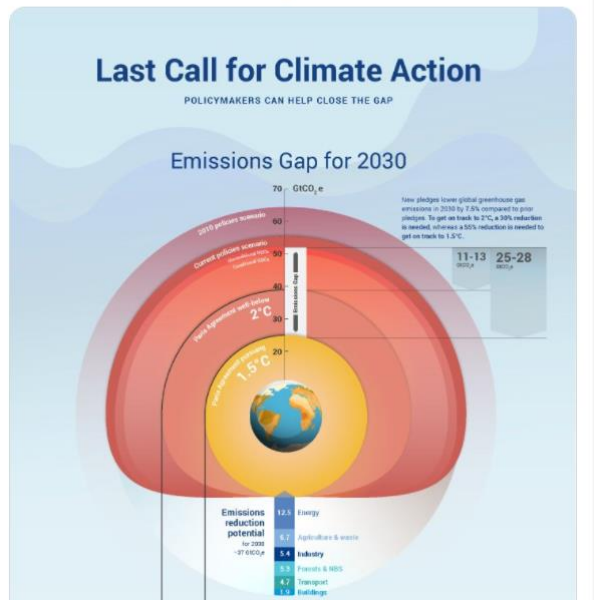
The event aims to inform potential applicants about the new topics included in the EU Missions work programme 2021.

# Índice

- Compromisos, políticas, iniciativas
- Misión Europea de Adaptación al Cambio Climático
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What are the climate gaps that the world is facing?  
And why are they important?

Explore the new infographic from @UNEP, bringing together key messages from the latest Emissions Gap, Adaptation Gap & Production Gap Reports 2021 & from @IPCC's #ClimateReport (AR6).



# Un poco de contexto....

ipcc @IPCC\_CH

Findings from the latest #IPCC #ClimateReport informed the @UNFCCC #COP26 #GlasgowClimatePact.

- Human activities have caused around 1.1 °C of #globalwarming.
- Impacts of #climatechange are being felt in every region of the 🌍

Read [bit.ly/WGIRreport](https://bit.ly/WGIRreport)  
Watch [\[video\]](#)

Visit [ipcc.ch](https://ipcc.ch)

It is now an indisputable fact that human influence has warmed the climate system and climate change.

IPCC Climate Change 2021 - The Physical Science Basis  
The Working Group I contribution to the Sixth Assessment Report is the most up-to-date physical understanding of the climate system and climate change.

3:15 PM · Nov 15, 2021 · [Twitter Media Studio](#)

ipcc @IPCC\_CH · Feb 17

- 270 scientists
- Over 34,000 publications assessed
- 62,418 review comments

Don't miss the launch of the next #IPCC #ClimateReport - Climate Change 2022: Impacts, Adaptation & Vulnerability.

Scheduled for release on 28 Feb 2022.

[adobe.ly/3E4ZMP4](https://adobe.ly/3E4ZMP4)

# Un poco de contexto....

Top Global Risks by Likelihood



Top Global Risks by Impact



■ Economic 
 ■ Environmental 
 ■ Geopolitical 
 ■ Societal 
 ■ Technological

Source: World Economic Forum Global Risks Perception Survey 2020

# Índice

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# Compromisos, Políticas, Iniciativas...

SUSTAINABLE DEVELOPMENT GOALS



European Commission  
July 2021

## DELIVERING THE EUROPEAN GREEN DEAL

THE DECISIVE DECADE

The EU will reduce its net greenhouse gas emissions by at least 55% by 2030, compared to 1990 levels, as agreed in the EU Climate Law. On 14 July 2021, the Commission presented proposals to deliver these targets and make the European Green Deal a reality.

**2030 CLIMATE TARGETS**

- Social Climate Fund
- Carbon Border Adjustment Mechanism
- EU Emissions Trading System for power, industry, maritime & aviation
- Energy Taxation Directive
- Energy Efficiency Directive
- Renewable Energy Directive
- FuelEU Maritime Initiative
- ReFuelEU Aviation Initiative
- CO<sub>2</sub> emissions standards for cars and vans
- Alternative Fuels Infrastructure Regulation
- Effort Sharing Regulation
- Land Use, Forestry and Agriculture Regulation
- EU Forest Strategy
- EU Forest Strategy
- Effort Sharing Regulation
- Land Use, Forestry and Agriculture Regulation
- EU Forest Strategy

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## BUILDING A CLIMATE-RESILIENT EUROPE

### A new EU Strategy on Adaptation to Climate Change

A photograph of a flooded residential area with houses partially submerged in water.

.....y otras

European Commission

## The European Climate Law

March 2020  
#EUGreenDeal

A large green leaf graphic that serves as a background for the text.

European Commission

## THE EUROPEAN CLIMATE PACT

Empowering citizens to shape a greener Europe

December 2020  
#EUClimatePact  
#EUGreenDeal

An illustration of a green vine with leaves, where a person is sitting on a leaf and another person is standing on the vine holding a laptop.

# Objetivos de Desarrollo Sostenible\*



**Global Goals** @GlobalGoalsUN

Climate change is a race we can win. We already have the solutions, but we need governments, businesses and individuals to implement them. Demand more #ClimateAction where you live. Learn more [un.org/en/climatechan...](https://un.org/en/climatechan...)

**GOAL 13**  
**CLIMATE ACTION**  
TAKING URGENT ACTION TO TACKLE CLIMATE CHANGE AND ITS IMPACTS

10.4K views 0:07 / 0:59

10:23 AM · Mar 28, 2021 · TweetDeck

\* [Agenda 2030 sobre el Desarrollo Sostenible](#) (Adopción: 25.09.2015)



# Del Acuerdo de París sobre el Clima (COP21)\* ...

En la conferencia del clima de París (**COP21**, diciembre/2015), **195 países** adoptaron el **primer acuerdo universal y jurídicamente vinculante** sobre el cambio climático.



**United Nations**  
Framework Convention on  
Climate Change

## Elementos clave:

- **Mitigación: reducir las emisiones** →  $\Delta T^a < 2^{\circ}\text{C}$   
(Esfuerzos para  $\Delta T^a < 1,5^{\circ}\text{C}$ )
- **Transparencia y balance global**
- **Adaptación**
- **Daños y perjuicios**
- **Papel de las ciudades, las regiones y las administraciones locales**

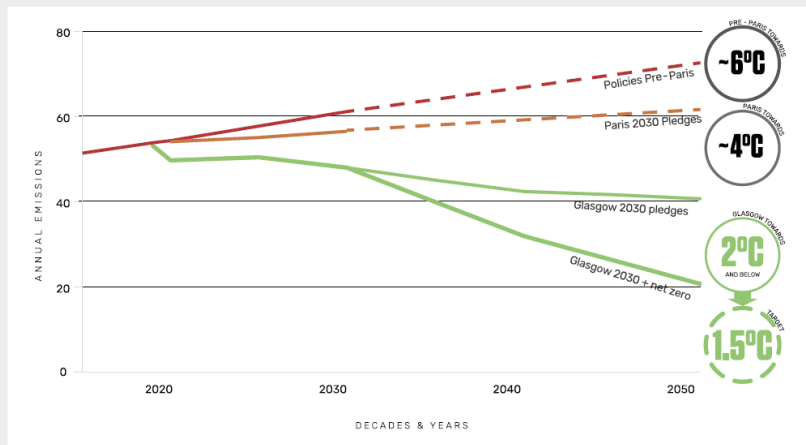
\* Acuerdo de París



# ...a la COP26

## 6, 4, 2... 1.5°C

If countries keep their promises, Glasgow will have bent the curve significantly. With agreement to revisit 2030 commitments, the 1.5 degree goal is still alive; now we need countries to deliver.



<https://ukcop26.org/wp-content/uploads/2021/11/COP26-The-Glasgow-Climate-Pact.pdf>

Based on Rogelj et al. 2016, UNEP Emissions Gap Report 2015, 2019, 2021

COP26: THE GLASGOW CLIMATE PACT

8

Forética Retweeted



German Granda  
@germangranda

What the Big Glasgow Deal Really Achieved vía  
[@climate](#)

[bloomberg.com/news/newslette...](https://www.bloomberg.com/news/newslette...)

[@foretica](#)

### COP26 Scorecard

#### Wins

- Document has breakthrough agreement on fossil fuels
- Agreement says emissions have to fall 45% by 2030
- Negotiations reach deal on global carbon trading
- Need to tackle methane mentioned for first time
- China and the U.S. strike a rare climate deal

#### Losses

- Rich countries don't make clear pledges for finance
- Experts warn carbon trading deal has weaknesses
- Most vulnerable countries don't get funds to cope
- Current national pledges put world on track for 2.4C
- Language on reducing coal use watered down

# 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

...y la sociedad

Transformación de la economía de la UE con miras a un futuro sostenible

Mobilización de la investigación y fomento de la innovación

Un mayor nivel de ambición climática de la UE para 2030 y 2050

Hacia una contaminación cero en un entorno sin sustancias tóxicas

Suministro de energía limpia, asequible y segura

Preservación y restablecimiento de los ecosistemas y la biodiversidad

Mobilización de la industria en pro de una economía limpia y circular

«De la granja a la mesa»: un sistema alimentario justo, saludable y respetuoso con el medio ambiente

Uso eficiente de la energía y los recursos en la construcción y renovación

Acelerar la transición a una movilidad sostenible e inteligente

Pacto Verde Europeo

Financiación de la transición

Que nadie quede atrás (Transición Justa)

La UE como líder mundial

Pacto Europeo por el Clima

# 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](https://ec.europa.eu/clima/policies/adaptation/what_en)

# Presupuesto de la UE (2021-2027)

## Single Market, Innovation and Digital

149.5 (+ 11.5 from NGEU)

## Cohesion, Resilience and Values

426.7 (+ 776.5 from NGEU)

## Natural Resources and Environment

401 (+ 18.9 from NGEU)

## Migration and Border Management

25.7

## Security and Defence

14.9

## Neighbourhood and the World

110.6

## European Public Administration

82.5

**Total: €2.018 trillion**



- **[50%]**
  - I&I (via HE)
  - Clima y Transición Digital
  - Recuperación y resiliencia
- **[30%] Cambio Climático**
- **[10%] Biodiversidad (2026-2027)**


# I & I como herramienta.....

EARTO retwiteó



Jean-Eric Paquet  
@JEPaquetEU


@EUScienceInnov will contribute to all the headline ambitions of the @EU\_Commission!

 EU R&I is one of the most powerful policies to boost our economies, it's an engine of the green & digital transitions & stairways to 'the future we want': [ec.europa.eu/info/publicati...](https://ec.europa.eu/info/publicati...)



Mariya Gabriel  
@GabrielMariya

Today the @EU\_Commission adopted @EUgreendeal proposals to reach EU's **2030** #climate targets!  


R&I enables and guides the changes we urgently need, putting EU on the right path for 2030 & beyond! 

[europa.eu/!ckCQgP](https://europa.eu/!ckCQgP)

Traducir Tweet



# Índice

- Compromisos, políticas, iniciativas
- Misión Europea de Adaptación al Cambio Climático
- Horizonte Europa – Convocatorias 2021



# Misiones en Horizonte Europa



Cancer



## Five EU Missions

Adaptation to Climate Change



Restore our Ocean and Waters



Climate-neutral and Smart Cities

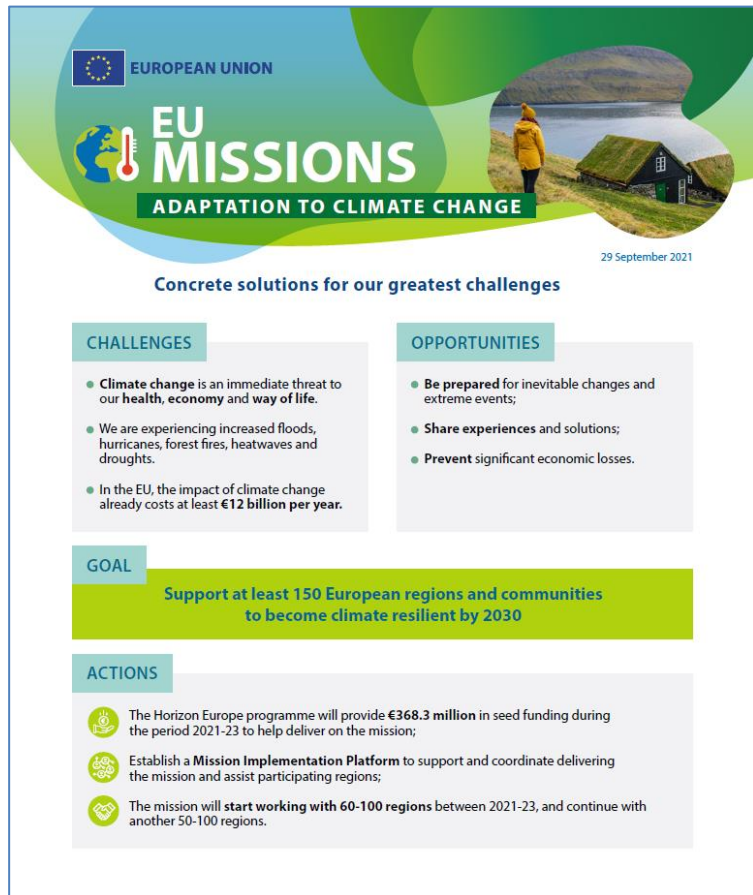


Soil Deal for Europe



[Missions in Horizon Europe | European Commission \(europa.eu\)](https://european-council.europa.eu/media/en/press-communications/infographic/interim-statement-20200611-01.pdf)

# 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 Cambio Climático

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# Una Europa resiliente al clima en 2030

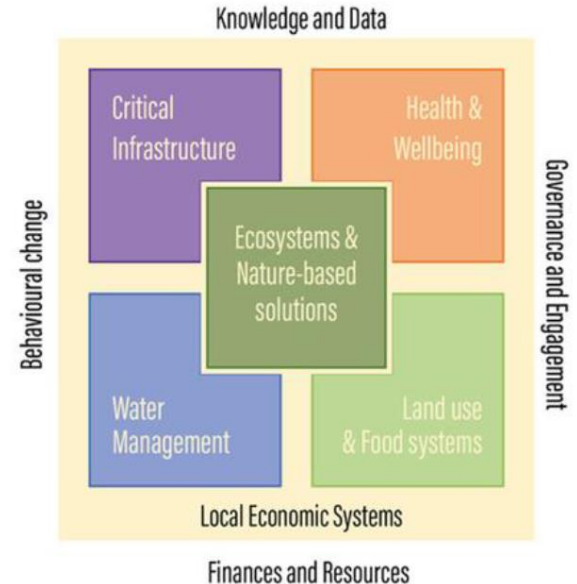
## Areas of innovation

### Transforming community systems:

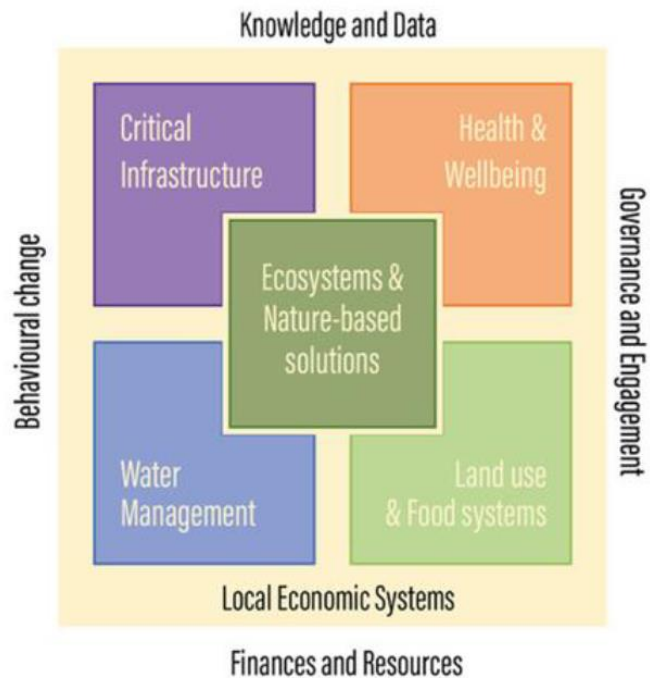
- Regenerating **community and social infrastructure**
- Protecting **human health and wellbeing**
- Restoring **nature and ecosystem services**
- Rethinking **water management**
- Reviving **rural landscapes and sustainable food systems**

### Creating enabling conditions:

- Providing **data, knowledge and digital services**
- Facilitating **inclusive and deliberative governance**
- Improving **education and understanding of behavioural change**
- Strengthening **sustainable and circular local economies**
- Mobilising **funds and resources**



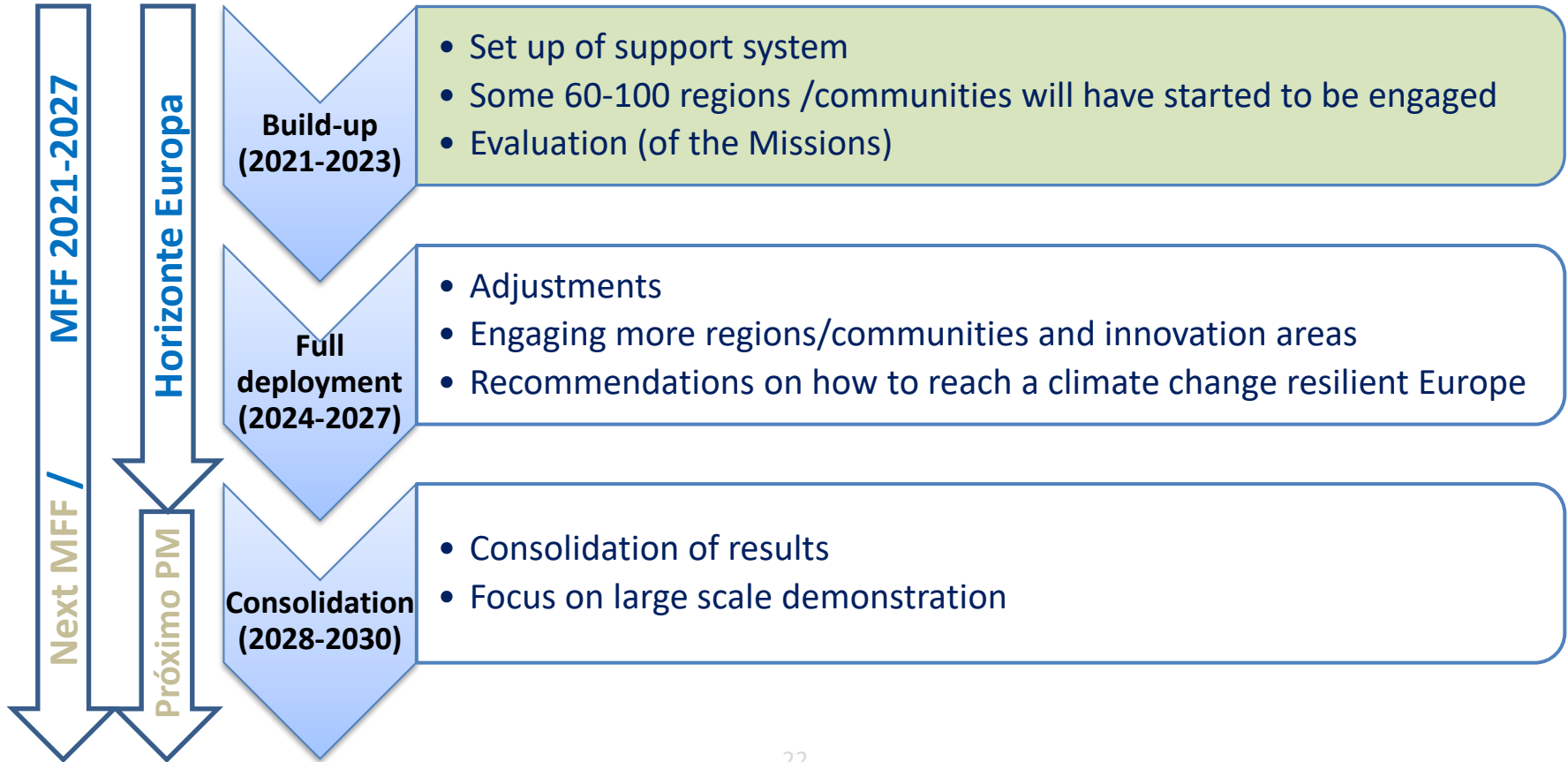
# Una Europa resiliente al clima en 2030



# Misión de Adaptación al Cambio Climático

## FONDOS

## FASES



# Algunas acciones.....

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- **H2020 – EU Green Deal call**
- **Horizon Europe Work Programmes**
  - **Calls 2021 already open**
  - Calls 2022 under preparation
  - Calls 2023....
- **Mission Forum (7/June/2022)**
- **Mission Implementation Platform (December/2022)**

# Índice

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# Horizonte Europa: Visión

Un futuro sostenible, justo y **próspero** para las **personas** y el **planeta** basado en los valores europeos.

- Lucha contra el **cambio climático** (objetivo presupuestario del 35 %)
- Contribuir a alcanzar los **Objetivos de Desarrollo Sostenible**
- Impulsar **la competitividad y el crecimiento** de la Unión



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

# Horizonte Europa (2021 – 2027)

PILAR 1 – CIENCIA EXCELENTE		PILAR 2 - RETOS MUNDIALES Y COMPETITIVIDAD INDUSTRIAL EUROPEA		PILAR 3 – EUROPA INNOVADORA	
	25.011		53.516		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		
		<b>Clúster 5 - <u>Clima</u>, energía y movilidad</b>	15.123		
		<b>Clúster 6 - Alimentación, bioeconomía recursos naturales, agricultura y medio ambiente</b>	8.952		
		JRC – Centro Común de Investigación	1.970		
<b>Ampliar la Participación y Fortalecer el Espacio Europeo de Investigación</b>			<b>3.393</b>		
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

# Misiones - Programa de Trabajo 2021-2022\*

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## “Topics” en la Misión de Adaptación al Cambio Climático



- Basados en el **Plan de Implementación** de la misión
- Acciones abordando los **tres objetivos de la misión**
- **“Mission Implementation Platform”**
- Dar cobertura a la **fase “building-up” (2021-2023)** y proporcionar los **primeros entregables/resultados** de cara a la revisión (2023)
- Aprovechar / Construir sobre las **acciones lanzadas previamente** (p.e. Green Deal call)

\* [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)

# Misión Adaptación al Cambio Climático

## WP 2021/2022 – Algunos detalles

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

# Call HORIZON-MISS-2021-CLIMA-02

Topic code	Topic title	ToA	Budget (M€)	Estimated EU contribution (M€)	Expected grants	Additional details
HORIZON-MISS-2021-CLIMA-02-01	Development of <b>climate change risk assessments</b> in European regions based on a transparent and harmonised Climate Risk Assessment approach	RIA + Cascade funding	20	15 - 20	1	<b>Min. 60% to Cascade funding</b>  <b>(70 pags)</b>
HORIZON-MISS-2021-CLIMA-02-02	Support to the regions in <b>developing pathways towards climate resilience and corresponding innovation agendas</b>	RIA + Cascade funding	30	25 - 30	1	<b>Min. 70% to Cascade funding</b>  <b>(70 pags)</b>
HORIZON-MISS-2021-CLIMA-02-03	<b>Adaptation Asset level modelling</b>	RIA	5	1,5 - 2,5	2	
HORIZON-MISS-2021-CLIMA-02-04	<b>Large scale demonstrators of climate resilience</b> creating cross-border value	IA	50	15 - 25	2	
HORIZON-MISS-2021-CLIMA-02-05	Local <b>engagement of citizens</b> in the co-creation of <b>societal transformational change for climate resilience</b>	RIA	5	3,0 - 5,0	1	

# HORIZON-MISS-2021-CLIMA-02-01: Development of **climate change risk assessments** in European regions based on a transparent and harmonised Climate Risk Assessment approach

- Related to the Mission's first objective
- Scope:
  - **1<sup>st</sup> Action:** Development and beta testing of the climate risk and vulnerability assessment the climate risk and vulnerability assessment framework
  - **2<sup>nd</sup> Action:** Using the framework, conduct climate risks, vulnerabilities and impacts assessments in regions and communities, as a basis for development of revision of local emergency and risk management plans



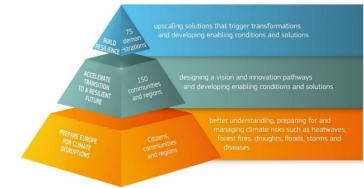
# HORIZON-MISS-2021-CLIMA-02-02: Support to the regions in developing pathways towards climate resilience and corresponding innovation agendas

- Related to the Mission's second objective
- Scope: The pathways should:
  - build on the assessment of future climate change risks;
  - reflect the 10 areas of innovation and transformation as outlined in the Mission Implementation Plan
  - take account of the priorities identified in the programmes and relevant smart specialization strategies



# HORIZON-MISS-2021-CLIMA-02-03: Adaptation Asset level modelling

- Related to the Mission's first objective
- Scope:
  - Consider the effect of multiple hazards (including complex, cascading and compound disasters)
  - Develop improved assessment models, including improved model coupling
  - Consider several critical infrastructures across several regions and how their functioning might be impeded by climate change induced risks
  - Include reconstruction costs, the costs of not providing the intended services as well as knock-on effects on other systems



[Commission technical guidance on the climate proofing of infrastructure in the period 2021-2027](#)



# HORIZON-MISS-2021-CLIMA-02-04: **Large scale demonstrators of climate resilience** creating cross-border value

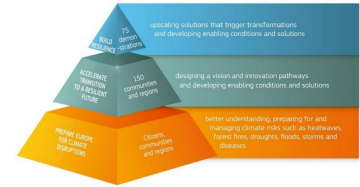
- Related to the Mission's third objective
- Scope:
  - Collaboration between regions front-runners/most experienced in climate resilience building with regions less experienced and vulnerable to similar climate should be envisioned
  - Substantial additional investments from national and European public funding programmes and from private sources.
  - Clear written commitment from the participating regions in which the action proposed will be implemented in case the project will be selected for funding
  - A scalability plan should be developed including the diffusion of innovative solutions, and a process for commitments in adopting large--scale resilience scale resilience building



- HORIZON-MISS-2021-CLIMA-02-05: Local **engagement of citizens** in the co-creation of **societal transformational change for climate resilience**

- Related to the all three Mission's objectives
- Scope:

- Provide direct support and guidance on how best to engage citizens and stakeholders;
- Undertake research and test innovative solutions using the activities ongoing in the regions and communities as case studies and also new innovative ways, and to feed this information back to all regions and communities;
- Ensure synergies between the Mission and other relevant initiatives in engaging citizens and stakeholders at local, national, and European level and to share relevant knowledge and experience made in the Mission more broadly.




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A modo de conclusión....

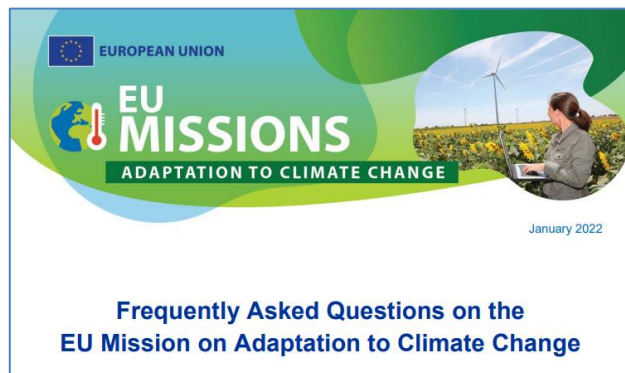
# Para concluir.....

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- Definición y cumplimiento de **políticas** ↔ **I+D**
- La **acción climática** es “cross-cutting” en **Horizonte Europa** (35% “budgetary target”)
- Implementación:
  - **Misión de Adaptación al Cambio Climático** 
  - Otras misiones / Partenariados / Clústeres en HE

**IMPORTANTE!!!!** Aprovechar todas las oportunidades

# Enlaces de interés



**EU MISSIONS**  
Concrete solutions for our greatest challenges  
**INFO DAYS**  
HORIZON EUROPE  
18 AND 19 JANUARY 2022  
ONLINE  
**EU Missions info days**  
The event aims to inform potential applicants about the new topics included in the EU Missions work programme 2021.



[Plataforma sobre Adaptación al Cambio Climático en España](#)

# Portal español de Horizonte Europa

HORIZONTE



GOBIERNO

MINISTERIO

<https://www.horizonteeuropa.es/>

Telegram RSS

21 Abr  
10:00

#HorizonEU



**Webinar "A Successful Proposal For Horizon Europe: Scientific-Technical Excellence Is Key, But Don't Forget The Other Aspects"**

La Comisión Europea organiza un nuevo seminario para informar sobre cómo preparar una

< ABRIL 2021 >

L	M	M	J	V	S	D
29	30	31	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	1	2

eventos »



Horizonte2020: España encara la recta final del programa consolidando su cuarta posición

Leer más »



Plan de Incentivación para la participación española en Horizonte Europa

Leer más »



La Comisión Europea publica el primer Plan Estratégico para Horizonte Europa

Leer más »



Telegram



RSS



PUNTOS NACIONALES DE CONTACTO



CÓMO PARTICIPAR



¡ÚNETE A NOSOTROS!

# DISCLAIMER



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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



@HorizonteEuropa - @CDTIoficial