

**LÍNEAS DE AYUDA APLICABLES AL SECTOR EÓLICO Y
RESULTADOS DE PROYECTOS**



MINISTERIO
DE CIENCIA
E INNOVACIÓN



PROGRAMA HORIZON EUROPE

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Horizonte Europa Clúster 5 Energía

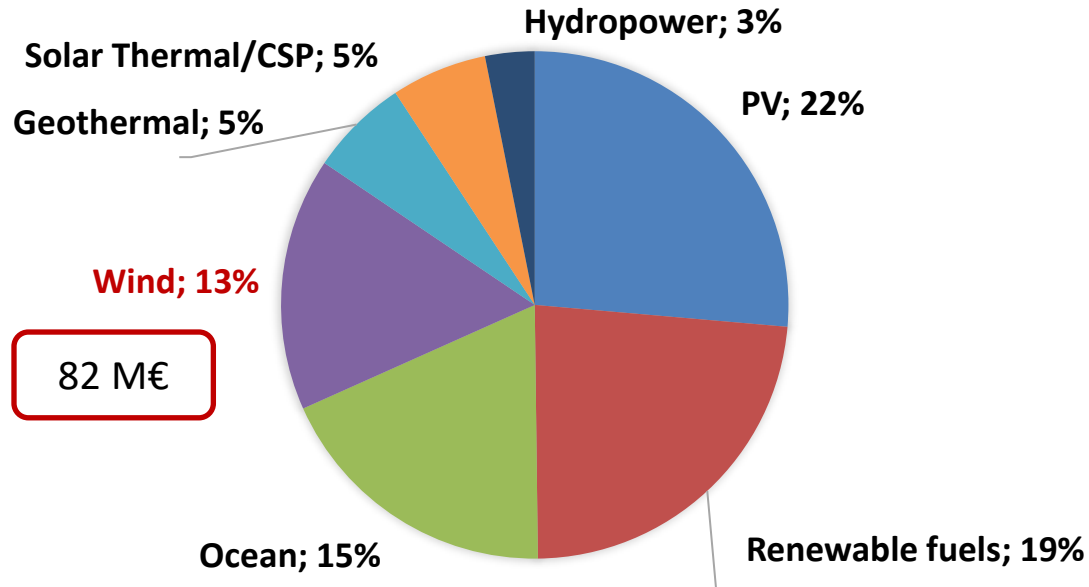
Convocatorias Energía Eólica 2024

Convocatorias “Energía” (2023-2024)

En 2023-2024
90 topics
1.200 M€

Destination 2	Cross-cutting	• 2 topics – 14 M€
	Breakthrough technologies	• 1 topic – 10 M€
Destination 3	Renewable energy	• 45 topics – 615 M€
	Energy systems, grids and storage	• 21 topics – 281 M€
	Carbon capture, utilisation and storage (CCUS)	• 3 topics – 70 M€
Destination 4	Buildings	• 17 topics – 172 M€
	Industry	• 2 topics – 36 M€

Presupuesto renovables 2023-2024



Topics de energía eólica 2023-2024

Topic code	Topic title	Opening	Deadline	Type of Action	Budget	Budget per project	Number of projects expected	Lump Sum Topics
HORIZON-CL5-2023-D3-01-05	Critical technologies for the offshore wind farm of the Future	13/12/2022	30/03/2023	RIA	18,00	6	3	
HORIZON-CL5-2023-D3-02-14	Digital twin for forecasting of power production to wind energy demand	04/05/2023	05/09/2023	RIA	12,00	6	2	Lump Sum
HORIZON-CL5-2023-D3-02-15	Critical technologies to improve the lifetime, efficient decommissioning and increase the circularity of offshore and onshore wind energy systems	04/05/2023	05/09/2023	RIA	12,00	4	3	
HORIZON-CL5-2024-D3-02-08	Minimisation of environmental, and optimisation of socio-economic impacts in the deployment, operation and decommissioning of offshore wind farms	17/09/2024	21/01/2025	RIA	10,00	5	2	Lump Sum
HORIZON-CL5-2024-D3-02-09	Demonstrations of innovative floating wind concepts	17/09/2024	21/01/2025	IA	30,00	15	2	

Convocatorias
2024

Deadline: 21/01/2025

HORIZON-CL5-2024-D3-02-08:

TRL 5

Minimisation of environmental, and optimization of socio-economic impacts in the deployment, operation and decommissioning of offshore wind farms

Develop and promote the use of modelling tools and holistic assessment metrics for realistic in-depth analysis of impacts of wind installations on the environment and on local communities. Address one of the following:

- Develop design tools for the planning of offshore wind farms to minimize the overall life-cycle environmental impacts
- Develop solutions (innovative processes, planning processes, supply chains, materials for construction...) for all phases of the life cycle of offshore wind farms but specially for the installation, construction and decommissioning phase

HORIZON-CL5-2024-D3-02-09:

TRL 7-8

Deadline: 21/01/2025

Demonstration of innovative floating wind concepts

The aim is to accelerate the cost-effective construction and deployment of floating wind farms, facilitating their rapid and sustainable deployment and lower their overall costs. Projects are expected to:

- Do the design optimization of a full floating system, facilitate the execution of the project addressing space needs in ports, vessels, etc
- Demonstrate innovative floating vertical or horizontal axis offshore wind energy platforms in real sea conditions for long periods of time
- Develop and implement pilot projects by identifying the best existing practices and the remaining knowledge gaps

Otro topic de interés

Topic code	Topic title	Opening	Deadline	Type of Action	Budget	Budget per project	Number of projects expected	Lump Sum Topics
HORIZON-CL5-2024-D3-02-10	Market Uptake Measures of renewable energy systems	17/09/2024	21/01/2025	CSA	8,00	2	4	Lump Sum

HORIZON-CL5-2024-D3-02-10:

Deadline: 21/05/2025

Market uptake measures of renewable energy systems

Address at least 2 of the expected outcomes either for the entire renewable energy market or focusing on a specific energy sector, such as electricity, heating, cooling or renewable fuels.

- Address issues related to acceptability of RES technologies due to ecologic, economic and social aspects
- The solution can be developed to address a local challenge but needs to have wide potential for reapplication

Resultados convocatorias 2021-2022 (1/7)

- ✓ 5 topics => 152 M€, 17 Proyectos financiados
- ✓ España => 1º país (52 M€), FR 2º país (14 M€); participantes en 16 de los 17 Proyectos
- ✓ 7 coordinadores españoles => Acciona, AITIIP, Ceit, Cener, Circe, Esteyco, IREC

Topic	Topic title	Type of action	Total Budget	Indicative project budget	Expected number of grants
HORIZON-CL5-2021-D3-03-04	Physics and aerodynamics of atmospheric flow of wind for power production	RIA	18	6	3
HORIZON-CL5-2021-D3-03-05	Wind energy in the natural and social environment	RIA	10	3	3
HORIZON-CL5-2021-D3-03-12	Innovation on floating wind energy deployment optimized for deep waters and different sea basins (Mediterranean Sea, Black Sea, Baltic Sea, North-east Atlantic Ocean)	IA	50	16	3
HORIZON-CL5-2022-D3-01-02	Demonstration of innovative materials, supply cycles, recycling technologies to increase the overall circularity of wind energy technology and to reduce the primary use of critical raw materials	IA	40	13	3
HORIZON-CL5-2022-D3-03-04	Integrated wind farm control	RIA	18	6	3

Resultados convocatorias 2021-2022 (2/7)

HORIZON-CL5-2021-D3-03-04

Physics and aerodynamics of atmospheric flow of wind for power production

TITLE	ACRONYM	PROJECT ID
Atmospheric Flow, Loads and pOwer for Wind energy	FLOW	101084205
Multiscale modelling for wind farm design, performance assessment and loading	MERIDIONAL	101084216
Advanced study of the atmospheric flow Integrating REal climate conditions to enhance wind farm and wind turbine power production and increase components durability	AIRE	101083716



CENER
coordinador

[Link](#) (ver apartado “Funded Project List”)

Resultados convocatorias 2021-2022 (3/7)

HORIZON-CL5-2021-D3-03-05

Wind energy in the natural and social environment

TITLE	ACRONYM	PROJECT ID
Wind In My Backyard: Using holistic modelling tools to advance social awareness and engagement on large wind power installations in the EU	WIMBY	101083460
Multicriteria analysis of the technical, environmental and social factors triggering the PIMBY principle for Wind technologies	WENDY	101084137
Just and effective governance for accelerating wind energy	JustWind4All	101083936

[Link](#) (ver apartado "Funded Project List")

CIRCE
coordinador

Resultados convocatorias 2021-2022 (4/7)

HORIZON-CL5-2021-D3-03-12

Innovation on floating wind energy deployment optimized for deep waters and different sea basins (Mediterranean Sea, Black Sea, Baltic Sea, North-east Atlantic Ocean)

TITLE	ACRONYM	PROJECT ID	
INnovative oFfshore wInd techNologies In deep waTErs	INFINITE	101084321	ACCIONA coordinador
Next Generation Integrated Floating Wind Optimized for Deep Waters	NEXTFLOAT	101084300	
Black sea fLoating Offshore Wind	BLOW	101084323	IREC coordinador
Wind Hybrid Evolution for Low-Carbon Solutions	WHEEL	101084409	ESTEYCO coordinador

[Link](#) (ver apartado "Funded Project List")

Resultados convocatorias 2021-2022 (5/7)

HORIZON-CL5-2022-D3-01-02

Demonstration of innovative materials, supply cycles, recycling technologies to increase the circularity of wind energy and to reduce the primary use of critical raw materials

TITLE	ACRONYM	PROJECT ID
Smart dismantling, sorting and REcycling of glass Fibre REinforced composite from wind power Sector through Holistic approach	REFRESH	101096858
RECYCLE, REPURPOSE AND REUSE END-OF-LIFE WIND BLADE COMPOSITES – A COUPLED PRE- AND CO-PROCESSING DEMONSTRATION PLANT	Blades2Build	101096437
Wind turbine blades End of Life through Open HUBs for circular materials in sustainable business models	EoLO-HUBs	101096425

[Link](#) (ver apartado “Funded Project List”)

AITIIP
coordinador

Resultados convocatorias 2021-2022 (6/7)

HORIZON-CL5-2022-D3-03-04

Integrated wind farm control

TITLE	ACRONYM	PROJECT ID
Integrated, Value-based and Multi-objective wind farm control powered by Artificial Intelligence	TWAIN	101122194
Smart, Aware, Integrated Wind Farm Control Interacting with Digital Twins	ICONIC	101122329
Wholistic and Integrated digital tools for extended Lifetime and profitability of Offshore Wind farms	WILLOW	101122184
Sustainable resilient data-enabled offshore wind farm and control co-design	SUDOCO	101122256

[Link](#) (ver apartado “Funded Project List”)

CENER
coordinador

Resultados convocatorias 2021-2022 (7/7)

Entidades españolas (40) en Proyectos financiados

Entidad
ACCIONA CONSTRUCCION SA
SCHWARTZ-HAUTMONT CONSTRUCCIONES METALICAS, S.A.
ACSM SHIPPING CO SL
ACCIONA GENERACION RENOVABLE SA
PREZERO GESTION DE RESIDUOS SA
CENER-CIEMAT
ESTEYCO
EXPONENTIAL RENEWABLES SL
AITIIP
CIRCE CENTRO DE INVESTIGACION DE RECURSOS Y CONSUMOS ENERGETICOS
YOUWIND CAPITAL SL
CENTRO TECNOLOGICO CEIT
TECNALIA RESEARCH & INNOVATION
SIEMENS GAMESA RENEWABLE ENERGY SOCIEDAD ANONIMA
MOSES PRODUCTOS SL
INSTITUTO DE INVESTIGACION DE LA ENERGIA DE CATALUÑA
ENDESA GENERACION SA
ESCUELA POLITECNICA SUPERIOR DE MONDRAGON
GREEN CAPITAL POWER SL
ROVER MARITIME S.L.

Entidad
INSTITUTO HIDRÁULICA DE CANTABRIA
TENERIFE SHIPYARDS S.A.
VICINAY SESTAO S.L.
BLUENEWABLES SL
UNIVERSIDAD AUTONOMA DE BARCELONA
NATURGY NUEVAS ENERGIAS SL
ALERION TECHNOLOGIES SL
GENERAL ELECTRIC RENEWABLES ESPAÑA SL
CARTAGO VENTURES SL
TECNICAS Y SERVICIOS DE INGENIERIA, S.L.
PREZERO ESPAÑA SA
SAINT GOBAIN PLACO IBERICA SA
GLOBAL EQUITY & CORPORATE CONSULTING SL
CLUSTER DE ENERGIA
PLOCAN
ASOCIACION DE PRODUCTORES DE ENERGIAS RENOVABLES
CONSORCIO AERODROMO AEROPUERTO DE TERUEL
CAPITAL ENERGY ENGINEERING SL
OCEAN ECOSTRUCTURES SL
UNIVERSIDAD DE LAS PALMAS DE GRAN CANARIA

Revisar el topic en el Funding Portal

The screenshot shows the European Commission's Funding & tender opportunities portal. The search bar at the top contains the text "HORIZON-CL5-2022-D3-03-09". Below the search bar, there are three search results, each with a "Call for proposal" and "Grant" button. The first result is "Alternative Fuel Infrastructure Facility - Unit Contributions", the second is "Alternative Fuel Infrastructure Facility - Works - LNG", and the third is "Alternative Fuel Infrastructure Facility - Works - Zero Emissions".

Programme	Type of action	Opening date	Status	Deadline model	Next deadline
Connecting Europe Facility (CEF)	CEF AFIF-EVRI Unit Grants	16 September 2021	Open for submission	multiple cut-off	07 June 2022 17:00:00 Brussels time
Connecting Europe Facility (CEF)	CEF Infrastructure Projects	16 September 2021	Open for submission	multiple cut-off	07 June 2022 17:00:00 Brussels time
Connecting Europe Facility (CEF)	CEF Infrastructure Projects		Open for submission	multiple cut-off	

Revisar el topic en el Funding Portal

The screenshot shows the European Commission Funding & tender opportunities portal. The page title is 'Recycling end of life PV modules' with the topic ID 'HORIZON-CL5-2022-D3-03-09'. A red box highlights the left-hand navigation menu, which includes 'General Information', 'Topic description', 'Destination', 'Conditions and documents', 'Partner search announcements', 'Submission service', 'Topic related FAQ', and 'Get support'. A red arrow points from the text 'Partner Search' to the 'Partner search announcements' menu item, and another red arrow points from 'Topic FAQs' to the 'Topic related FAQ' menu item. The main content area displays 'General information' for the topic, including the programme 'Horizon Europe Framework Programme (HORIZON)', the call 'Sustainable, secure and competitive energy supply (HORIZON-CL5-2022-D3-03)', and the type of action 'HORIZON-IA HORIZON Innovation Actions'. It also lists the deadline model as 'single-stage', the planned opening date as '06 September 2022', and the deadline date as '10 January 2023 17:00:00 Brussels time'. There are buttons for 'See budget overview' and 'Fortcoming'.

Partner Search

Topic FAQs

Otra forma de acceder a las FAQs

The screenshot displays the Horizon Europe (HORIZON) website interface. At the top, the European Commission logo and the text "Funding & tender opportunities" are visible. The navigation bar includes "SEARCH FUNDING & TENDERS", "HOW TO PARTICIPATE", "PROJECTS & RESULTS", "WORK AS AN EXPERT", and "SUPPORT". The "SUPPORT" menu is expanded, with "FAQ" highlighted by a red circle. Below the navigation bar, a message box states: "Please notice that there is an issue with the upload of rebuttal letter, the technical team is working to solve this as soon as possible. We apologize for the inconvenience." The main content area is titled "FAQ - Frequently Asked Questions (323)" and features a search bar, filters for "Grants" and "Tenders", and a list of questions. A red arrow points to the search bar.

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

English | Register | Login

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

Horizon Europe (HORIZON)

Support overview | Publications & Manuals | **FAQ** | Support Services

Please notice that there is an issue with the upload of rebuttal letter, the technical team is working to solve this as soon as possible. We apologize for the inconvenience.

FAQ - Frequently Asked Questions (323) | Need help?

Search by keyword, question...

Grants Tenders

Grant category: Select a grant category...

Programming period: Select a programme period...

Programme: Horizon Europe (HORIZON) (323)

These pages are updated with the answers to the most frequent questions that have been submitted to the Research Enquiry Service and Participant Validation, IT Helpdesk, eProcurement Helpdesk, Call Coordinators and H2020 NCP correspondents.

In case of questions related to a call for tenders, there is always a specific timeslot to ask questions and requesting information, clarification must be done exclusively within the call for tenders on eTendering. Read about calls for tenders.

Under HORIZON-HLTH-2021-CORONA-01-01, with respect to mild and moderate COVID-19, is there a concrete definition for the distinct COVID-19 disease phases?
Applicants are welcome to consult the WHO website for the clinical progression scale proposed by the WHO Working Group on the Clinical Characterisation and Management of COVID-19 inf...

HORIZON-EIC-2021-iCapitalPrize: Are previous participants allowed to participate in the contest?
Yes, with some exceptions. Among the cities that participated in previous contests, only the previous winners as well as the runners-up of the 2020 edition are not eligible to apply...

HORIZON-EIC-2021-iCapitalPrize: What is the focus of the award, and what will be evaluated in particular?

Programme Guide, Online Manual y “IT How to”

The screenshot shows the Horizon Europe portal interface. Red arrows are numbered 1 through 5, pointing to specific elements:

- 1:** Points to the 'Reference documents' link in the 'HOW TO PARTICIPATE' dropdown menu.
- 2:** Points to the 'Horizon Europe (HORIZON)' filter button in the 'Programming period' section.
- 3:** Points to the 'Clear filter' button in the 'Programming period' section.
- 4:** Points to the 'HE Programme Guide' link in the 'Reference Documents' list.
- 5:** Points to the 'Online Manual' link in the 'Reference Documents' list.

[Reference Documents](#)

Apúntate como Evaluador

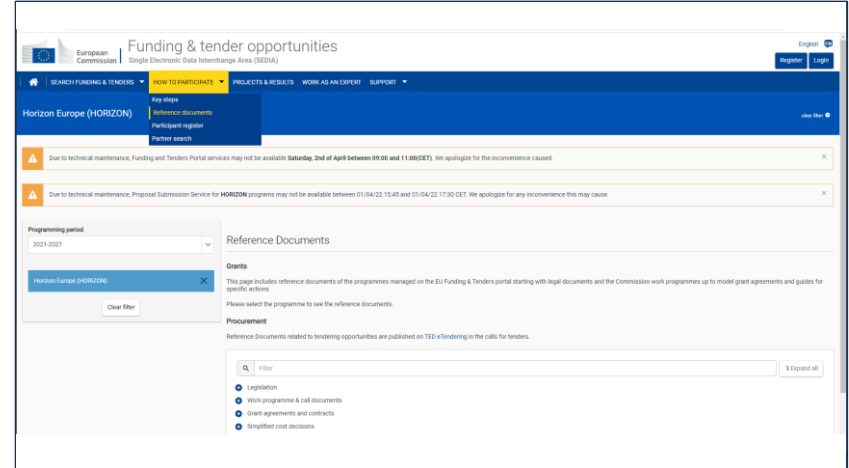
The screenshot shows the 'Work as an expert' page on the European Commission's funding portal. The navigation bar at the top includes 'SEARCH FUNDING & TENDERS', 'HOW TO PARTICIPATE', 'PROJECTS & RESULTS', and 'WORK AS AN EXPERT' (highlighted with a red circle). The main content area is titled 'Work as an expert' and explains that the EU appoints external experts to evaluate grant applications. It features a video thumbnail, a list of expert tasks, a 'Register as expert' button, and sections for 'Calls for expressions of interest for experts' and 'Quick Links'.

Se **buscan diferentes perfiles**: Científico-técnicos, business, emprendedores, entidades públicas, asociaciones, NGOs...

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/work-as-an-expert>

Información de interés

- [Funding and Tenders Portal](#)
- [Work Programme Clúster 5](#)
- [Proposal Template](#)
- [Programme Guide](#)
- [Online Manual](#)
- [IT How to](#)



Información de interés

Webinars European Commission (1/2)

- [How to prepare a successful proposal in Horizon Europe](#) (24 March 2021)
- [A successful proposal for Horizon Europe](#) (21 April 2021)
- [Tips and Tricks while writing your Horizon Europe proposal](#) (23 June 2021)
- [Recipe for success: Tips and tricks to writing your Horizon Europe proposal](#) (29 September 2022)
- [Dissemination, Communication and Exploitation](#) (9 June 2021)
- [The Funding & tenders Portal for beginners](#) (27 May 2021)
- [New features Funding & Tenders Portal](#) (28 September 2021)
- [The Gender Equality Plan](#) (23 June 2022)
- [Horizon Results Booster](#) (17 November 2022)
- [Submission and evaluation, Grant Agreement Preparation, Legal and Financial Aspects](#) (10 December 2021)
- [Grant Agreement Preparation, Legal and Financial Aspects](#) (26 January 2022)
- [Cost reporting of other costs \(with focus on internal invoicing\)](#) (23 March 2022)



Información de interés

Webinars European Commission (2/2)

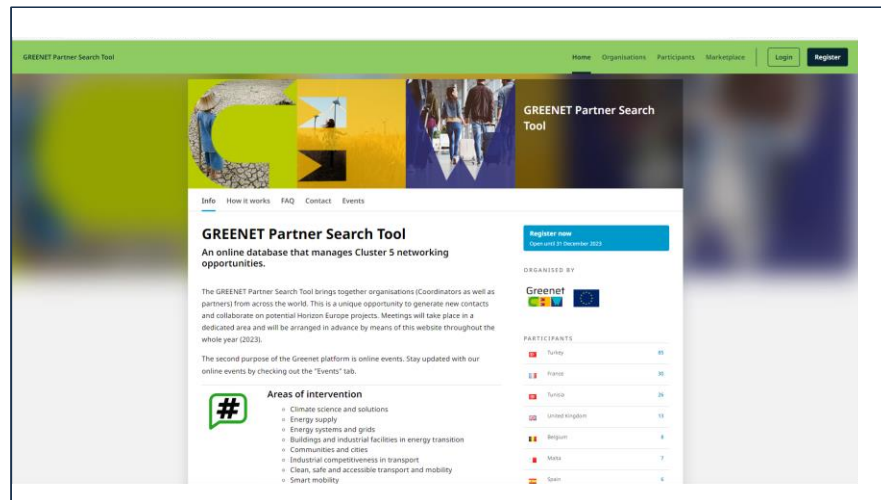
- [Lump Sum funding: How does it work and what are the next steps?](#) (7 April 2022)
- [Lump Sum funding: How to write a proposal?](#) (19 May 2022)
- [Lump Sum funding: How does it work? How to write a proposal?](#) (20 October 2022)
- [Avoiding errors in declaring personnel costs in Horizon 2020 grants](#) (30 November 2022)
- [Coordinators' Day on Grant Agreement Preparation](#) (2 February 2023)
- [Coordinators' Day on Grant Agreement Preparation](#) (8 June 2023)
- [Lump Sum](#) (9 February 2023)
- [Lump Sum](#) (11 May 2023)
- [Horizon Europe Results Booster](#) (24 May 2023)
- [Two factor authentication in the Funding and Tenders Portal](#) (10 May 2023)
- [Avoiding common errors in Other Direct Costs in H2020](#) (30 May 2023)



Información de interés

GREENET Partner Search Tool

Registration is open and **meetings can take place anytime throughout the year.**



Información de interés

Guía del participante – Horizonte Europa

- El proceso de participación
- Elaboración y presentación de una propuesta
- Puesta en marcha, desarrollo, seguimiento y finalización de los proyectos
- Proceso de evaluación de propuestas
- Preparación y firma del acuerdo de subvención del proyecto

<https://www.horizonteeuropa.es/guia-del-participante-horizonte-europa>



Información de interés

Webinars CDTI-SOST

Cómo preparar una propuesta exitosa



12 webinarios online

Con experiencias de participantes

(Febrero-Junio 2022)

[Presentaciones y grabaciones](#)

SESIONES

Sesión 1: Cómo completar la Parte A en propuestas de Horizonte Europa

Sesión 2: Excelencia. Concepto, metodología, estado del arte y ambición del proyecto

Sesión 3: Open Science. Plan de gestión de datos

Sesión 4: Dimensión de género en propuestas de HE

Sesión 5: Apartado de Impacto en proyectos de HE

Sesión 6: Impacto. Planes de explotación

Sesión 7: Implementación. Paquetes de trabajo, recursos y descripción del consorcio

Sesión 8: Implementación. Plan de riesgos

Sesión 9: Aspectos éticos en HE

Sesión 10: Aspectos de seguridad en propuestas de HE

Sesión 11: “Lump sum” en propuestas de HE

Sesión 12: Estandarización en proyectos de HE

Información de interés

Infoday Bruselas y Brokerage Event. 17-18 octubre 2023

- Formato online

Más información en la [web del Infoday](#) y [web del Brokerage](#)



Información de interés

Infoday nacional Horizonte Europa Energía

- Formato presencial
- En CDTI, 25 octubre de 2023



Más información en el [portal español de Horizonte Europa](#)

Más información

Portal español Horizonte Europa

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

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 Canal de Telegram

 RSS **1**

 ESHorizonte2020

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2



@HE_Energia_CDTI



https://twitter.com/HE_Energia_CDTI

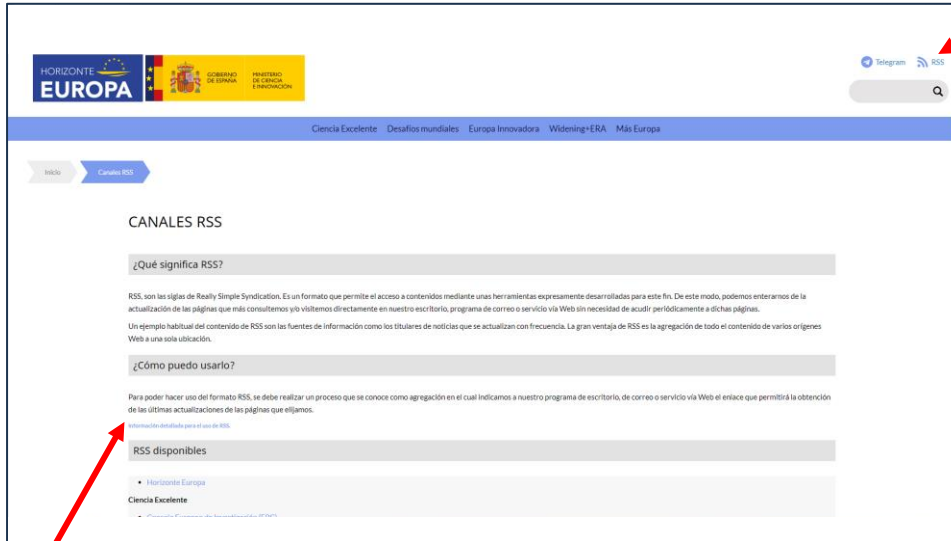
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SUSCRIPCIÓN A **LISTAS DE DISTRIBUCIÓN**

Información sobre los **programas, ayudas y noticias relacionados** con el CDTI.

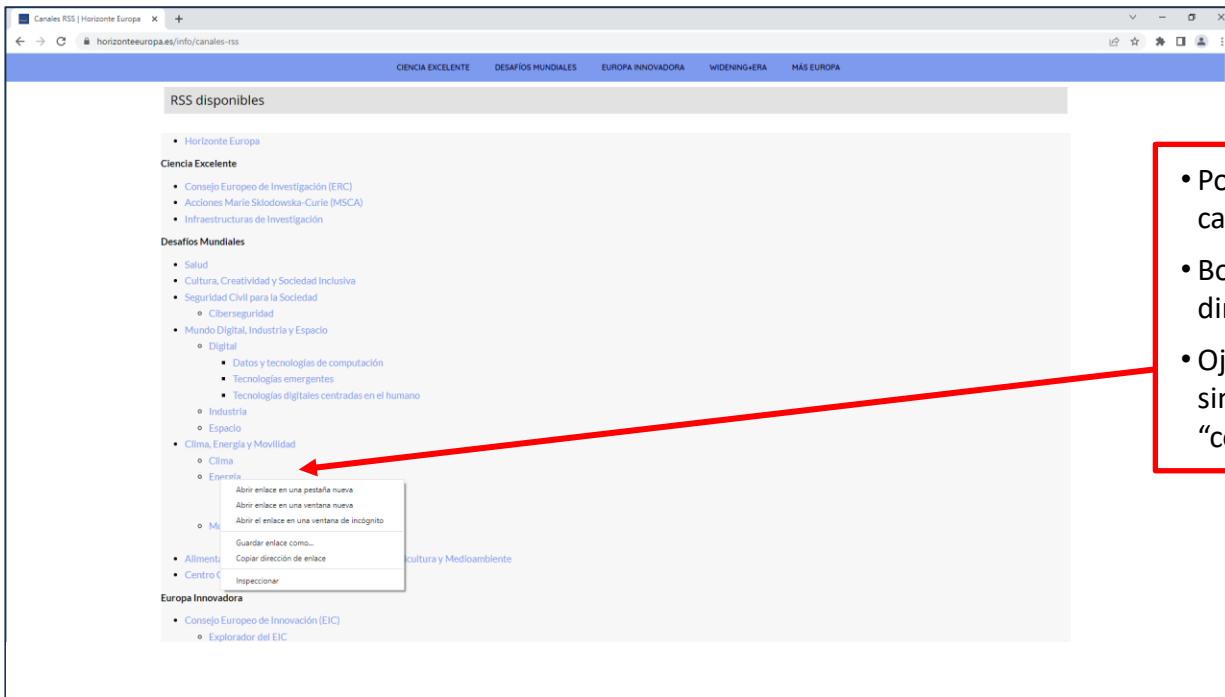
<https://www.cdti.es/listas-de-distribucion>

Canales RSS en www.horizonteeuropa.es (1/6)



Cómo usarlo

Canales RSS en www.horizonteeuropa.es (2/6)



RSS disponibles

- Horizonte Europa

Ciencia Excelente

- Consejo Europeo de Investigación (ERC)
- Acciones Marie Skłodowska-Curie (MSCA)
- Infraestructuras de Investigación

Desafíos Mundiales

- Salud
- Cultura, Creatividad y Sociedad Inclusiva
- Seguridad Civil para la Sociedad
 - Ciberseguridad
- Mundo Digital, Industria y Espacio
 - Digital
 - Datos y tecnologías de computación
 - Tecnologías emergentes
 - Tecnologías digitales centradas en el humano
 - Industria
 - Espacio
- Clima, Energía y Movilidad
 - Clima
 - Energía
- Más

Guarda enlace como...
Copiar dirección de enlace
Inspeccionar

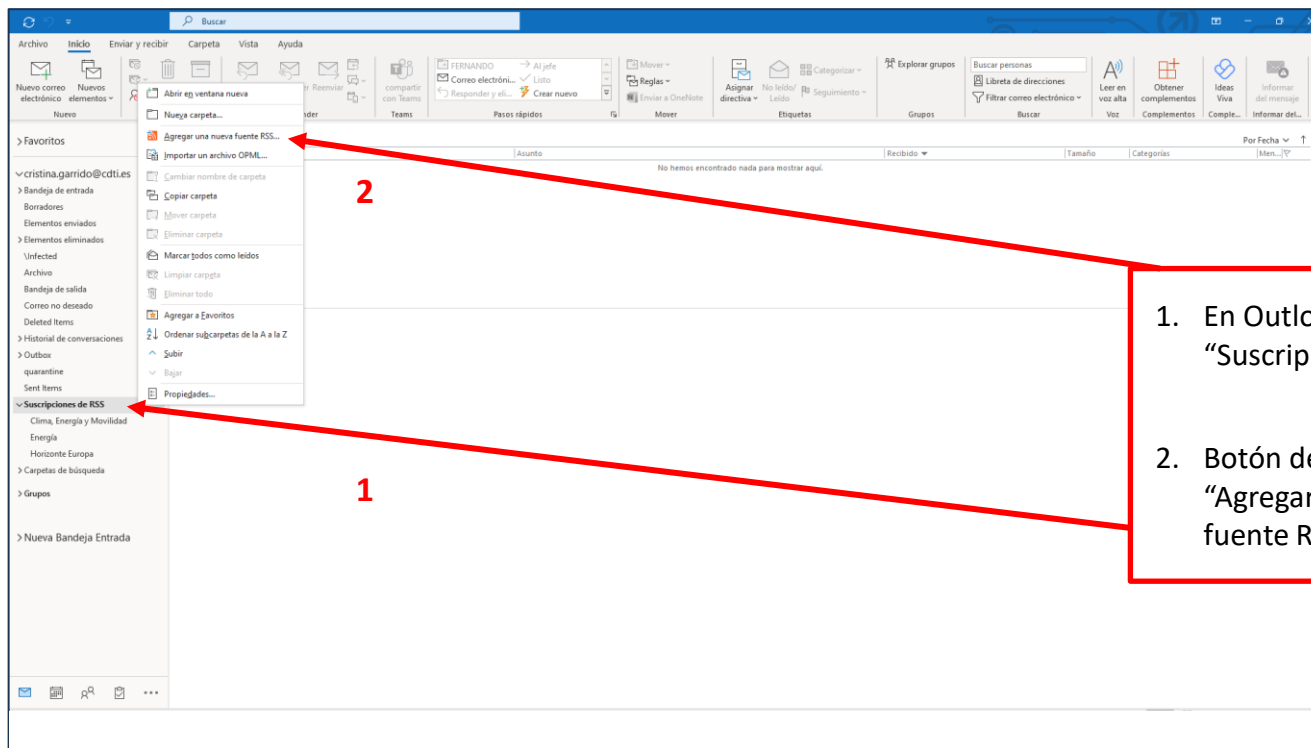
Cultura y Medioambiente

Europa Innovadora

- Consejo Europeo de Innovación (EIC)
 - Explorador del EIC

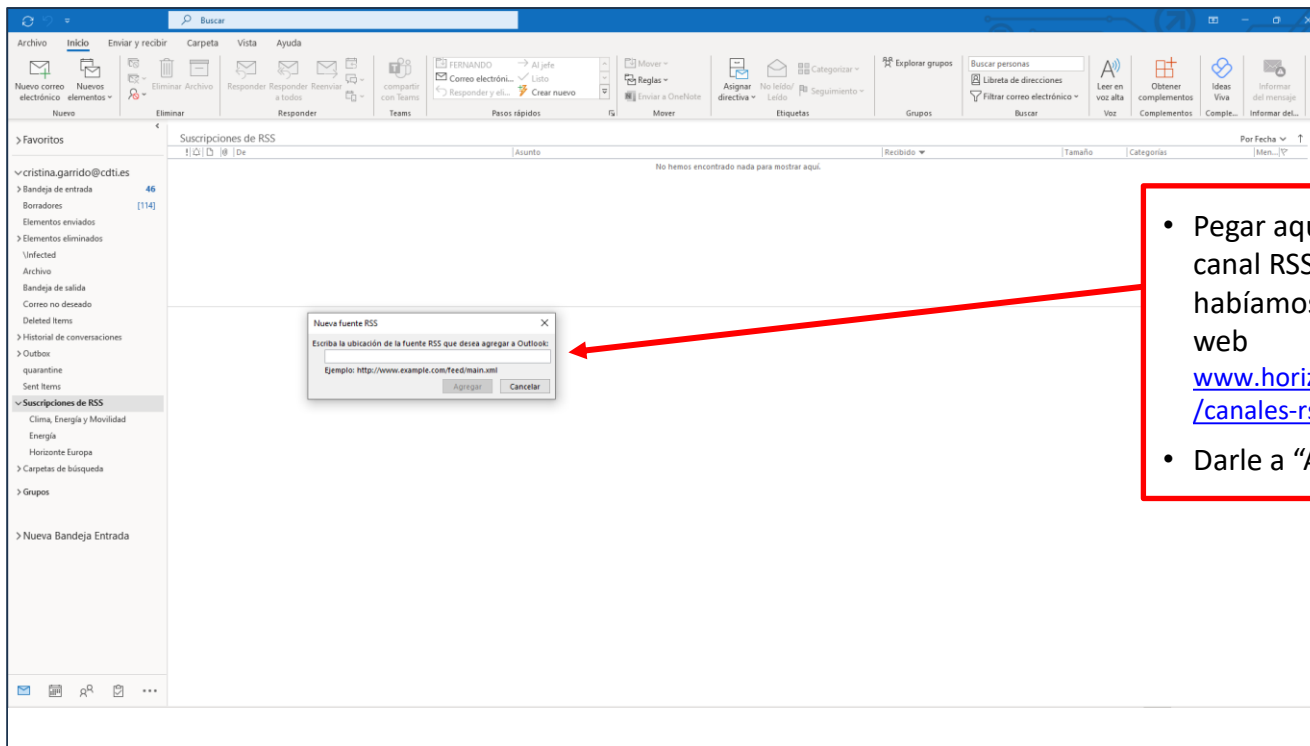
- Poner el ratón sobre el canal de tu interés
- Botón derecho y “copiar dirección de enlace”
- Ojo!: no pinchar en el canal, sino botón derecho y “copiar dirección de enlace”

Canales RSS en www.horizonteeuropa.es (3/6)



1. En Outlook, ir a "Suscripciones de RSS"
2. Botón derecho e ir a "Agregar una nueva fuente RSS"

Canales RSS en www.horizonteeuropa.es (4/6)



- Pegar aquí el enlace del canal RSS de Energía que habíamos copiado en la web www.horizonteeuropa.es/info/canales-rss
- Darle a “Agregar” y listo

Nuevas listas distribución de CDTI

SUSCRIPCIÓN A LISTAS DE DISTRIBUCIÓN

Información sobre los **programas, ayudas y noticias relacionados** con el **CDTI**.



<https://www.cdti.es/listas-de-distribucion>

PROGRAMA MARCO - HORIZONTE EUROPA ^

Listas relacionadas con el Programa Marco de I+D de la UE, Horizonte Europa, y las temáticas gestionadas por CDTI

Horizonte Europa - general

- Programa Marco: información general
Información general sobre Horizonte Europa

Clúster 5 - Clima, Energía y Movilidad

- Programa Marco: Clima
Información relacionada con el área de Clima del Clúster 5 de HE y otras iniciativas UE relacionadas
- Programa Marco: Energía
Información relacionada con el área de Energía del Clúster 5 de HE y otras iniciativas UE relacionadas
- Programa Marco: Movilidad
Información relacionada con el área de Movilidad del Clúster 5 de HE y otras iniciativas UE relacionadas

Para cualquier consulta

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Mantente informado a través del Portal español de Horizonte Europa

www.horizonteeuropa.es