



Interreg
España - Portugal

Fondo Europeo de Desarrollo Regional



CILIFO
Centro Ibérico para la
Investigación y Lucha contra
Incendios Forestales



**LUCHA CONTRA EL
CAMBIO CLIMÁTICO**





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UNION EUROPEA



Centro Iberico para la
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**LUCHA CONTRA EL
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The project "Iberian Centre for Forest Fire Research and Fighting" CILIFO (0753_CILIFO_5_E) has a total budget of **24.6 million euros**, of which **75%** is funded by the Interreg VA Spain-Portugal Cross-Border Cooperation Programme - Interreg POCTEP (2014-2020).

With a duration of **four years** (01/01/2019 to 31/12/2022), it aims, through the results expected from its activities, to become a permanent centre for the promotion and development of training, awareness, research and cooperation in the **fight against forest fires**.

THEMATIC OBJECTIVE

CILIFO is framed within the **Thematic Objective 5 of the POCTEP Programme:**

Promoting **adaptation to climate change** in all sectors. In addition, it responds to POCTEP investment priority 5B: Promoting investment to address specific risks and ensuring adaptation to disasters and developing disaster management systems.

SPECIFIC OBJECTIVES



- Strengthen and bring together **cooperation**, working procedures and training between the Forest Fire Prevention and Extinction devices in the **Alentejo-Algarve-Andalusia Euroregion cooperation area**.
- Promote **the creation of lasting, quality employment** in the area; reduce the economic cost of fires by creating a rural economy linked to the landscape.
- **Improve the forest fire response capacity** of the administrations and authorities involved in fighting forest fires in the three participating regions.

ACTIVITIES

1 STRENGTHENING
COOPERATION
INFRASTRUCTURES

2 TRAINING,
ACCREDITATION AND
PROTOCOLS

3 AWARENESS-RAISING
PLAN

4 DEVELOPMENT AND
INNOVATION
PROGRAMME

5 MANAGEMENT AND
COORDINATION

6 COMMUNICATION





RESULTS

- 1 Creation of the Iberian Centre for Fire Management - CILIFO and the accelerator / incubator Firefighting Open Innovation Lab - CILIFO.
- 2 Design and implementation of a Cross-border Training Plan in forest fire prevention and extinction; based on the acquisition of skills and lifelong learning by Spanish and Portuguese fire-fighting operatives.
- 3 Design and implementation of a Joint Forest Fire Awareness Plan.
- 4 Design and implementation of a cross-border programme for research and innovation in forest fire fighting involving researchers from all regions.
- 5 Design and implementation of a cross-cutting subject on forest fires in schools in the three regions.

INFRASTRUCTURE

- Refurbishment of the centre destined to become a CILIFO Centre.
- Catalogue of innovative companies and technologies in forest fire prevention and extinction, adaptation and mitigation to climate change.



AWARENESS-RAISING



- Educational system with cross-cutting themes on forest fires.
- Updating of dissemination and awareness-raising material.
- Kit of materials to raise awareness of the problem of forest fires.
- Plan of workshops and dissemination activities.
- MOOC for emergency management in forest environments.
- Awareness-raising programme for the most vulnerable groups in emergency situations..

TRAINING

- Training and qualification programme for managers and middle management.
- Training and qualification programme in prescribed fires.
- Training and qualification programme for those responsible for awareness-raising.
- Training programme in the use of ICT technologies.
- Creation of a white paper on cross-border and international cooperation.
- Prototypes validated in real environments of ICT-based services that will be oriented to emergency management in forest environments.
- Book of good practices to guarantee accessibility in emergencies and evacuation of forest environments.



INVESTIGATION



- Development of digital cartography for modelling and monitoring combustibility and flammability.
- Characterisation of meteorological scenarios and historical fires, monitoring and follow-up of forest masses for the development of risk indices, early warning systems.
- Risk analysis and preventive planning of the territory.
- Monitoring and follow-up of the natural environment.
- Monitoring and follow-up of prescribed burning.
- Prescribed fire in the dynamisation of Mediterranean ecosystems.
- Analysis of fire dynamics and management.
- Adaptations to fire and post-fire stress.
- Monitoring the recovery of fauna and vegetation.
- Monitoring the effectiveness of the restoration of the Doñana fire in experimental plots.
- Interventions to favour the reinstallation of fauna after the fire.



PARTNERSHIP

B1/BP. Junta de Andalucía-Consejería de Agricultura, Ganadería, Pesca y Desarrollo Sostenible (Andalusian Regional Government - Ministry of Agriculture, Livestock, Fisheries and Sustainable Development).

B2. Environment and Water Agency of Andalusia

B3. Agencia Estatal Consejo Superior de Investigaciones Científicas - Estación Biológica de Doñana (Spanish National Research Council - Doñana Biological Station)

B4. ONCE Foundation for the Cooperation and Social Inclusion of People with Disabilities

B5. National Institute for Agrarian and Food Research and Technology, O.A., M.P.

B6. University of Cadiz

B7. University of Cordoba

B8. University of Huelva

B9. Intermunicipal Community of the Algarve

B10. Município de Castro Marim

B11. Municipality of Loulé

B12. Municipality of Monchique

B13. Municipality of Tavira

B14. Foundation Delegation Finnova Foundation

B15. University of Evora



COMMUNICATION

- Creation and maintenance of website and social networks (Social Networks: Twitter, Facebook)
 - Video. Audio in ES/PT/EN. In advertising spot format disseminated through the Internet, Youtube, etc. and generic video on the actions and scope.
 - Project publications. Digital newsletter, incorporated into the website and distributed to the list of interested parties.
 - Report of participation in Conferences, Fairs, Congresses, Thematic Weeks in ES/PT/EU & Brussels Scientific-Technical related to the project.
 - Publication and translation of scientific articles.
 - Dissemination of the proposed innovation results in specialised journals.
 - Creation of the Firefighting Open Innovation Lab.
 - CILIFO mentoring for entrepreneurs in the area
 - AAA for testing and piloting its technologies in the framework of the project.
 - Start-up Europe Awards. For acceleration of project-themed technologies, SEUA initiative.
(www.startupeuropeawards.com)
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INDICATORS



GENERAL INDICATORS	
INDICATORS	TOTAL No.
No. of events attended by the Finnova team	20
No. of events organised by Finnova	3
No. of total FOIL-CILIFO web publications	149
No. of total CILIFO web publications	52
No. of total publications (FOIL+CILIFO website)	201
No. of posts on social networks total (FOIL+CILIFO)	177
No. of total press releases (news) (FOIL+CILIFO)	113
No. of total alerts (FOIL+CILIFO)	44
No. of videos made	33
No. of visits to the FOIL-CILIFO website	41.150
No. of visits to the CILIFO website	95.477
No. of "Likes" on Facebook CILIFO	556
No. of "Likes" on Facebook FOIL - CILIFO	57
No. of followers on Twitter of CILIFO	1207
No. of followers on Twitter of FOIL - CILIFO	284
No. of speakers events organised	27
No. of speakers events attended by Finnova	349
Total No. of speakers at events	376
No. of attendees events organised	195
No. of attendees events attended	2303
No of total attendees at events	2498

INDICATORS



ATTENDEES DIVIDED BY NATIONALITY

NATIONALITY	TOTAL No.
From Spain	1532
From Portugal	34
From Belgium	141
From Latinamerica	68
Other	33
n/a	690
TOTAL	2498

ATTENDEES DIVIDED BY GENDER

GENDER	TOTAL No.
Women	698
Men	887
n/a	913
TOTAL	2498

INDICATORS



PUBLICATIONS IN COMMUNICATION CHANNELS

COMMUNICATION CHANNELS

TOTAL No.

Press	48
Web CILIFO (news)	51
Web CILIFO (alerts)	3
Web FOIL-CILIFO (news)	62
Web FOIL-CILIFO (alerts)	41
Web FOIL-CILIFO (podcasts)	13
Web FOIL-CILIFO (videos)	33
TOTAL (<i>to july 2021</i>)	251

FOLLOWERS ON RRSS

COMMUNICATION CHANNEL

TOTAL No.

Facebook CILIFO (likes)	556
Twitter CILIFO	1208
Facebook FOIL- CILIFO (likes)	57
Twitter FOIL- CILIFO	285
TOTAL	2106

CILIFO'S PARTICIPATION IN COP25

The CILIFO project was presented on 11 December 2019 in Madrid, at the 25th Conference of the Parties to the United Nations Framework Convention on Climate Change, as an example of good practices for climate change adaptation and mitigation. The presentation was made by the Junta de Andalucía, Consejería de Agricultura, Ganadería, Pesca y Desarrollo Sostenible, and by the Finnova Foundation and the University of Evora, all beneficiaries of the project.

This event was structured in three round tables entitled: "Cooperation and governance for innovation in fire prevention, firefighting and restoration of burnt areas", "Public-private partnership for innovation in firefighting" and "Open innovation, StartUps, ScaleUps and EU Funds". In addition, after the end of the three round tables, the StartUp Europe Awards were presented in the Firefighting category.



FIREFIGHTING OPEN INNOVATION LAB - CILIFO



First Firefighting Open Innovation Lab of the forest fire and forest management field



Firefighting Open Innovation Lab - CILIFO (www.innovation.cilifo.eu) is the first accelerator in the forest fire and forest management sector. This accelerator is part of the CILIFO project, funded by the Interreg POCTEP Programme (2014-2020).

Through this accelerator, CILIFO supports the initiatives of entrepreneurs and companies in the fields of forest fire prevention and extinction, forest management and climate change adaptation and mitigation.

WHAT DOES IT OFFER?



WORKSPACE

A workspace in the CILIFO Centre, in Seville/Huelva (Spain), where you can network within a Public-Private Partnership.



TESTS PILOT

The possibility of testing innovative technologies in a real environment through pilot testing.



EUROPEAN FUNDING

Online and face-to-face advice, through specialised mentors, for the search for European funding.



EUROPEAN PROJECTS

Support to develop an innovative idea in a European project.



PARTNER SEARCH

Support for the search for international partners for the replication and exploitation of results.



LEGAL ADVICE

Legal advice to start-ups in the field of legislation and combating legal barriers, internationalisation, mentoring and training in European funding.



NETWORKING

Thanks to the accelerator, a networking network is being created that involves an exchange of experiences and good practices between companies and projects in the environmental sector; this network arises and extends through participation in national and international events, where the accelerated companies and technologies are invited to present their projects. Since the approval of the project, both CILIFO and its accelerator have been present in a total of 39 events, which means a boost to the promotion of its accelerated companies and gives them visibility in front of entities, companies and public institutions that may be interested in hiring their services or in requesting them to participate in a European project as partners.

The Firefighting Open Innovation Lab-CILIFO is managed by the Finnova Foundation, one of the fifteen beneficiary partners of CILIFO, with the support of the entire CILIFO consortium, and especially with the support of the Lead beneficiary (Junta de Andalucía-Consejería de Agricultura, Ganadería, Pesca y Desarrollo Sostenible).





RESULTS

As of May 2021, the Firefighting Open Innovation Lab-CILIFO:

- has 25 accelerated companies and 3 collaborating entities, from up to 10 different countries;
- collaborates with 2 European Interreg projects, DISARM and GEFRECON, whose objectives are framed within the prevention and mitigation of forest fires and climate change. In addition, new membership and collaboration agreements are in the process of being signed;
- has been present at 39 international events, including European thematic weeks, which, only in this year 2021, had a total of 2342 attendees. Through the interventions of representatives of the Finnova Foundation and other project partners, FOIL-CILIFO and its accelerated companies were exposed as an example of good practice, which is a boost to international promotion and facilitates the generation of new synergies.
- has supported the presentation of 30 projects at European level for the implementation of innovative initiatives by companies, start-ups and entrepreneurs supported and mentored by FOIL-CILIFO;
- has participated in 2 Accelerathons, open innovation programmes aimed at promoting the generation of new ideas and helping them to materialise. The first of these, CILIFO-Startup Europe Accelerathon, took place in June 2020 and focused on prevention, extinction and habitat recovery after forest fires. The second, held between March and May 2021 and entitled Spain-Portugal Accelerathon, sought solutions to the challenge of combating Covid-19 and climate change in the Alentejo-Algarve-Andalusia Euroregion;

RESULTS



- has produced 8 promotional videos;
- has communicated 180 news items and published 79 alerts, through the system of alerts on calls for proposals, events of interest or info-days to make this information more accessible to accelerated companies;
- has published 3 editions of the CILIFO Centre's catalogue of financial aid for entrepreneurs, with the aim of providing information on the available calls for applications;
- has published 2 editions of the catalogue of events on forest fire prevention and extinction and climate change adaptation and mitigation, corresponding to 2020 and 2021, respectively, with the aim of making participation in these events more accessible and facilitating communication activities;
- has held 2 editions of the Firefighting CILIFO Startup-Europe Awards. The first edition took place in the context of COP 25 in Madrid. The second, in online format, was held during Waste Week on 23 November 2020. Work is currently underway on the third edition, which is expected to take place during COP26;
- is preparing a dossier of services of the CILIFO Centre for member companies, as well as other entities of interest;
- is working on a database of funded R&D&I technologies and projects;
- has prepared a report on companies, which includes companies of interest to FOIL-CILIFO and different works that have been carried out in collaboration with some of them,
- and has published its first edition of the catalogue of accelerated companies and technologies.

INNOVATION

The Firefighting Open Innovation Lab-CILIFO is the first business accelerator in the forestry sector and aims to support entrepreneurs to implement their innovative and technological ideas, both nationally and internationally.

CATALOGUE

The first edition of the Catalogue of Accelerated Companies has recently been published. This document is available in [Spanish](#), [Portuguese](#) and [English](#) and compiles a detailed description of the twenty-two companies and the two collaborating projects, describing the specific field of action and the technology developed by each one.

Specifically, the project summary, the problem to be tackled and the proposed solution, as well as the target market, the business model, the state of business development and the contact details are included. As for the projects and collaborating entities, it also includes their general and specific objectives, expected results, work packages, class components, end users and partners, budget, relevant dates and location of activities.



ACELERATHONS

In addition, entrepreneurs, SMEs and start-ups are encouraged to participate in Accelerathons, open innovation programmes where the prize is an acceleration ticket, and Hackathons, where start-ups, policy makers, experts and investors converge to find solutions. An example of this was CILIFO's presence at the EU Hackathon on decarbonisation of cities.

ALERTS

Another particularly useful activity is the alert system. These alerts warn of new calls for proposals (grants, awards, scholarships, etc.) from which companies and start-ups affiliated to FOIL-CILIFO can benefit.



Accelerathon - CILIFO

Retos planteados: 1) prevención, 2) extinción y 3) recuperación del hábitat tras los incendios forestales.

MIEMBROS DEL JURADO



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www.cilifo.eu

www.innovation.cilifo.eu

www.accelerathon.eu

www.finnova.eu



FOIL - CILIFO IN THE OPEN ACCELERATOR OF CLIMATE - KIC

EIT Climate-KIC has recently launched an operational system for different environmental accelerator programmes to work effectively, and to create and attract resources. This programme is based on the collaboration of entrepreneurial ecosystems rather than competition, in order to attract and accelerate as many transformative climate impact start-ups as possible.

The accelerator Firefighting Open Innovation Lab - CILIFO has been part of the Open Accelerator since July 2021, coinciding with the start of the platform's activity. In this way, CILIFO, together with Climate KIC and other accelerators, addresses the complex challenges of the fight against climate change.



Fuentes de financiación UE para la prevención y extinción de incendios forestales

Reto: gestión forestal, innovación y cambio climático

Ejemplo de buenas prácticas: **Proyecto Interreg CILIFO**

MORE THAN
€580
MILLION
TO FUND YOUR
PROJECT

OPEN CALL LIFE 2021-2027

What is the LIFE Climate Change Mitigation and Adaptation sub-programme?

The **LIFE Programme** is the EU's funding instrument in the fields of environment and climate action created in 1992, and its new **sub-programme LIFE - Mitigation and Adaptation to Climate Change**, with a budget of **€905 million for the period 2021-2027**, will select projects that help to achieve the objectives of the European Green Deal , the Energy Union and the Clean Energy for All package. Projects must: Translated with www.DeepL.com/Translator (free version)

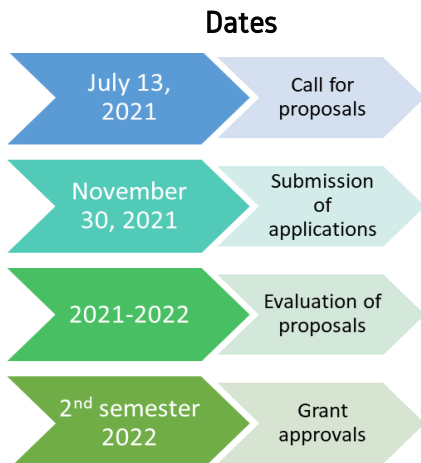
- Contribute to the development and implementation of EU policies in the field of climate change mitigation and adaptation, including their integration into all policy areas;
- Improve the knowledge base for the development, assessment, monitoring, evaluation and implementation of effective climate change mitigation and adaptation actions and measures and enhance the capacity to apply this knowledge in practice;
- Facilitate the development and implementation of integrated approaches, e.g. in climate change mitigation and adaptation strategies and action plans at local, regional or national level;
- Contribute to the development of innovative climate change mitigation and adaptation technologies, systems, methods and tools that are suitable for replication, transfer or mainstreaming.

OPEN CALL LIFE 2021-2027

Who?

It is aimed at both private entities (large companies, SMEs and startups) and public entities (local, regional or national, e.g. regional or local councils), non-profit organisations, universities and research centres.

All of the above must be established in eligible countries, i.e. in EU Member States (including Overseas Countries and Territories (OCTs), EEA countries and LIFE associated countries.



Participation requirements

Projects tend to have an average budget of **€2 million** and a development duration of **between 3 and 5 years**. They are also generally formed by public-private **consortia of between 3 and 8 partners** on average, and the fact of having an international partner, such as the Finnova Foundation, will be an added value.



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