



## IN THIS ISSUE

### **SILVANUS - European Green Deal Project for Wildfire Management and Climate Change**

SILVANUS is a Horizon 2020 Green Deal project, named after the Roman deity of woods and uncultivated lands, whose main objective is to create a climate resilient forest management platform to prevent and combat forest fire. The project consortium includes a wide range of environmental, technical and social science experts from eighteen countries, spanning over four continents, who will support regional and national authorities responsible for wildfire management in their respective countries. SILVANUS experts will help authorities to efficiently monitor forest resources, to evaluate biodiversity, to generate more accurate fire risk indicators, and promote safety regulations among the local population affected by wildfire through awareness campaigns.

Immerse yourself in the world of SILVANUS!

Modern and Innovative Protector Against Wildfire,  
For the Benefit of Forests and Humankind

SILVANUS WINS THE GOLD  
MEDAL AT THE  
INTERNATIONAL WARSAW  
INVENTION SHOW

CITIZEN ENGAGEMENT APP -  
COMING SOON

CONCLUSION OF THE  
EDUCATIONAL POSTER "SPEED  
CAMPAIGN"

EXPLOITATION WORKSHOPS ON  
SILVANUS USER PRODUCTS

SILVANUS DISSEMINATION  
EVENTS IN FRANCE, CYPRUS AND  
GREECE



## SILVANUS Wins a Gold Medal Award at the International Warsaw Invention Show



At the International Warsaw Invention Show, organised by the The Association of Polish Inventors and Innovators, SILVANUS was presented by Consortium partner Main School of Fire Service (SGSP). The presentation was focused on project results, with an emphasis on the User Products (UP) of the platform.

SILVANUS won a gold medal award for best invention. The goal of the event was to present inventions, outcomes and innovations of national and international projects with technical outputs in areas such as wildfire management.

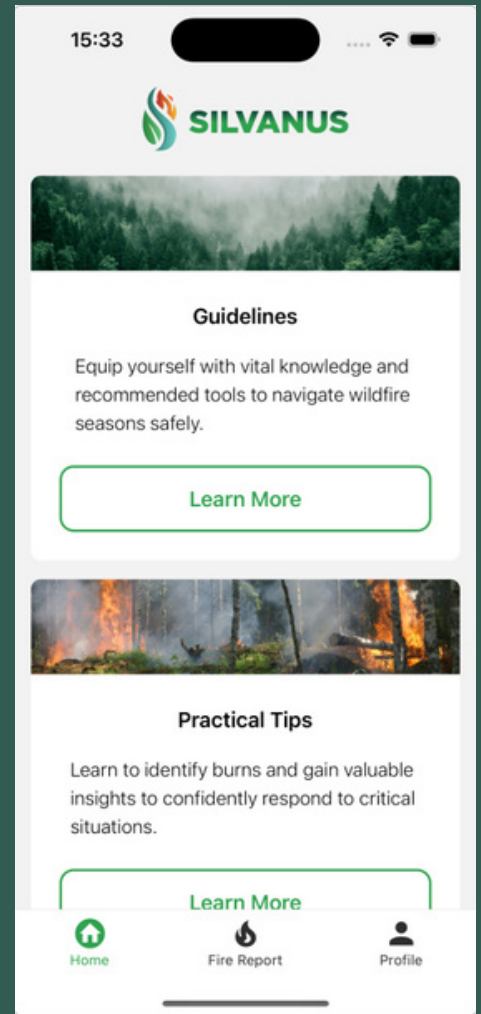
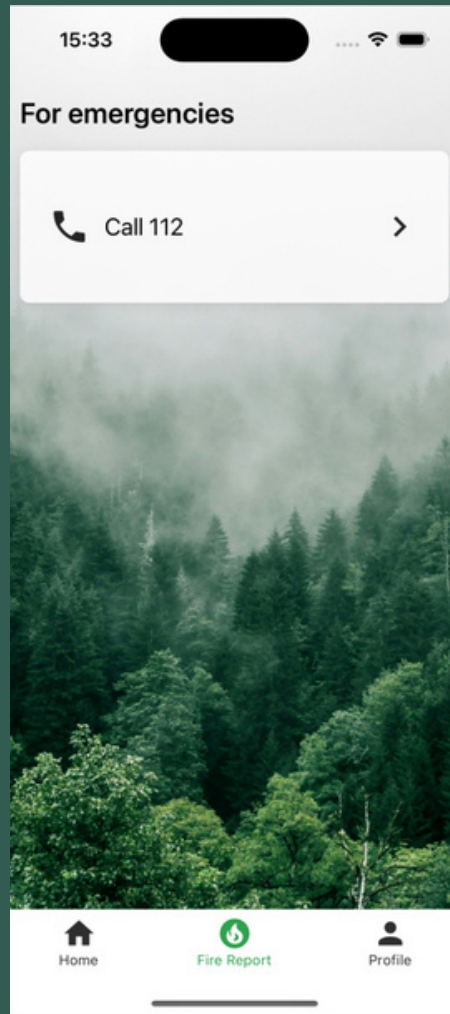
This was another opportunity for SILVANUS to showcase its results in front of a diverse audience of stakeholders in areas of technological inventiveness.





# SILVANUS Citizen Engagement App

Coming Soon - Available for iPhone, iPad and Android



**SILVANUS**

PREVENT FOREST FIRES DIRECTLY FROM YOUR PHONE

COMING SOON FROM SILVANUS

The project has received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement no. 101037247

Subscribe to our newsletter here: [Silvanus-project.eu/contact/](https://silvanus-project.eu/contact/)

The banner features the SILVANUS logo at the top, a central image of a smartphone displaying a forest scene, and a background of falling embers. It includes a QR code and social media icons in the bottom right corner.



# “Speed Campaign” Concludes

The Poster Promotional Campaign with Key Messages and Educational Guidelines in the Fight against Extreme Wildfire and Climate Change concluded on March 27th – Available on SILVANUS X/Twitter, Instagram and LinkedIn



**FOREST FIRES BURN MORE THAN TREES**

Forests are so much more than a collection of trees. They are home to 80% of the world's terrestrial biodiversity.

The project has received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement no. 101037247



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**DID YOU KNOW**

Prescribed fire is a planned solution managed by experts to reduce wildfire risk, restore ecosystem health and promote biodiversity.

FIRE IS A BAD MASTER BUT A GOOD SERVANT.

The project has received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement no. 101037247



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**Protecting our house against wildfires**



The project has received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement no. 101037247



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**PROTECT THE FOREST, IT'S THE AIR THAT YOU BREATHE!**



The project has received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement no. 101037247



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**WHEN YOU WISH IT WOULD RAIN DOWN, REMEMBER:**



The forest affects rainfall and can sustain microclimates that are beneficial for people and agriculture.



The project has received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement no. 101037247



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**IF YOU NOTICE A WILDFIRE**

The response operation starts with you!



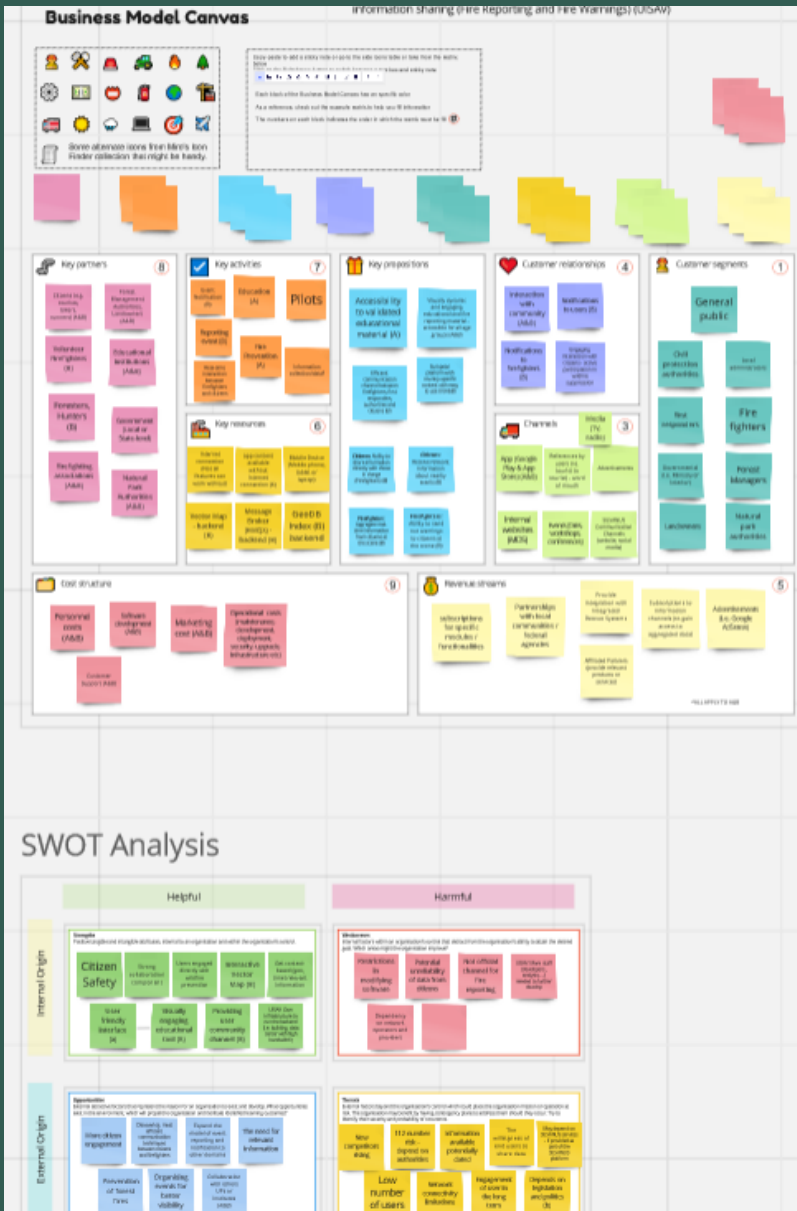
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# Exploitation Workshops



Example of the Exploitation Workshop Board

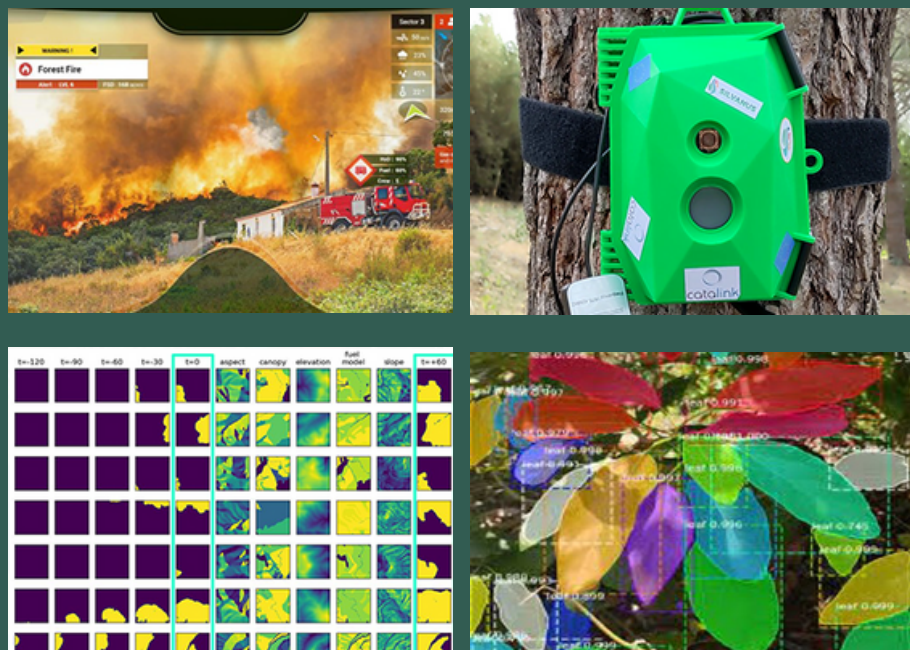
Exploitation workshops for the SILVANUS team were conducted in March 2024, in the form of a thorough Business Model Canvas analysis, to understand the market potential, possible revenue streams, the customer relationships, and the individual strengths of SILVANUS platform user products.

These were the UPs analysed in the workshops:

- Biodiversity profile mobile app
- AR/VR training toolkit for firefighters
- Citizen engagement mobile app
- Fire danger tool and fire ignition model
- Fire detection based on social sensing
- Fire detection from IoT devices
- Fire detection using unmanned aerial vehicles
- Fire detection using unmanned ground vehicles

Further interdependencies between UPs and advantages of user product integration in the platform were recognized for a more efficient wildfire prevention and suppression strategy. A SWOT analysis was carried out to see the main strengths, weaknesses, opportunities, and threats of each UP.

In its final year, SILVANUS will produce a detailed exploitation plan, which will showcase a future of the SILVANUS platform and its products beyond the duration of the project.



Examples of analysed SILVANUS UPs (clockwise from top-right) - Fire Detection IoT Device, Woode Biodiversity Indexing Mobile App, Fire Spread Forecast, AR/VR Training for Firefighters

# SILVANUS Dissemination Activities

## SILVANUS Presented at the Secours Expo in Paris, France

International Emergency Firefighters (PUI), led by Philippe Besson and Iliana Korma, presented SILVANUS at the Secours Expo event in Paris on January 31st, 2024. The Secours Expo is an European trade fair dedicated to rescue, emergency care and risk prevention which unifies all pre-emergency professionals in France and all around Europe.

Among the audience present at the presentation and the round table, there were representatives from both public and private sector, such as civil protection, forest administration, volunteers, fire services, first responders, etc.

Components of the platform were introduced to stakeholders and important feedback was collected.



## Cyber Security in Telecommunications Conference in Nicosia, Cyprus

Prof. Garik Markarian from RINICOM Ltd presented the Mesh in the Sky wireless communication system, a User Product of the SILVANUS platform, at the Cyber Security in Telecommunications Conference in Nicosia, Cyprus, on March 12th.

Mesh in the Sky facilitates connectivity and communication among unmanned aerial vehicles (drones) in remote areas (e.g. forests endangered by wildfire), where no “traditional” network connectivity may be available.

Organised by the British High Commission in Cyprus and Cyprus Computer Society, a diverse audience of first responders, mobile network operators, government officials and technical professionals were present.

The event was organised specifically to address issues of cyber security in communication systems used by the first responders.





# SILVANUS Dissemination Activities

Eastern Mediterranean Wildland Urban Interface (WUI) Symposium  
in Athens, Greece



The Eastern Mediterranean Wildland Urban Interface (WUI) Symposium took place at the Hellenic Ministry for Climate Crisis and Civil Protection in Athens, Greece on March 20th and 21st. The event was co-organised by the SILVANUS partner Center for Security Studies - KEMEA (Greece), and the Hellenic Ministry for Climate Crisis and Civil Protection.

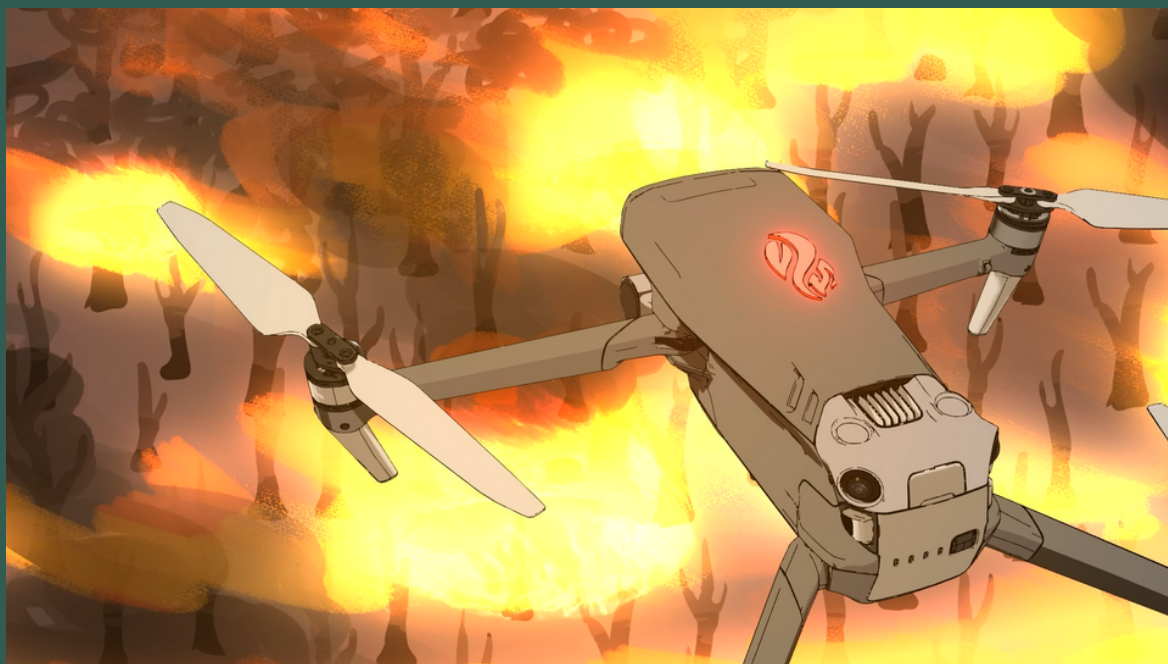
SILVANUS was presented, as one of the emblematic Green Deal projects funded by the European Commission, to tackle the problem of wildfires in the EU. The symposium focused on the discussion of the WUI problem inside the framework of wildfires. The purpose of the meeting was to share lessons learned, best practices, technology, and institutional infrastructure for wildfire response and mitigation from the United States with countries surrounding the Eastern Mediterranean.

The EU research domain on wildfires and specifically on WUI areas was presented, along with various gaps and challenges on wildfires and WUI fires. Input was provided on EU incentives, giving intelligence on the recent wildfire projects in EU and identifying commonalities and differences in WUI areas in the US and Southern EU.

Problems that exist in WUI areas in the US, Greece, Cyprus, and other Southern European countries were discussed, common issues and synergies were identified, and a substantial exchange of knowledge on results of SILVANUS was carried out.

# SILVANUS Animated Video

Coming soon!

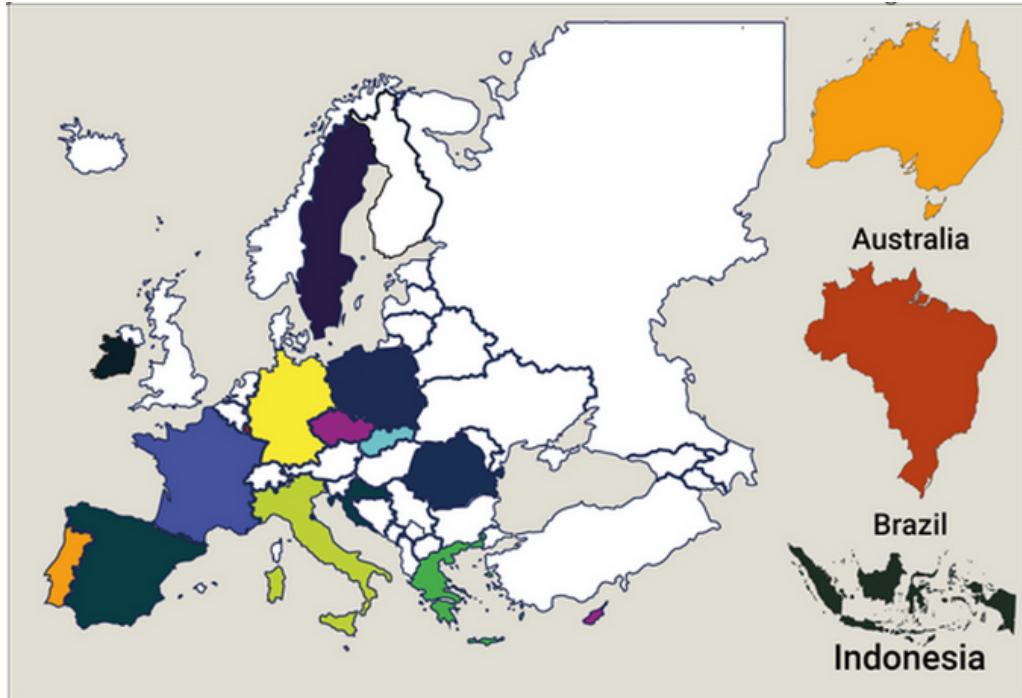




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### Stakeholders



### SME organisations



### International partners



### Academic/Research Partners

