



# SILVANUS

*wishes you a Merry Christmas and a Happy New Year!*

VOL  
03

## SILVANUS Newsletter



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## **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

SILVANUS GENERAL ASSEMBLY  
REPORT FROM ATHENS,  
GREECE

SILVANUS PRESENTATION AT  
THE IX INTERNATIONAL  
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FIRE RESEARCH

SILVANUS PRESENTATION AT  
THE PEGASO INTERNATIONAL  
CONFERENCE

KEY MESSAGES TO THREE  
STAKEHOLDER TARGET  
GROUPS - LOCAL RESIDENTS  
AND COMMUNITIES, CIVIL  
SOCIETY ORGANISATIONS,  
POLICY MAKERS



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## **SILVANUS 3rd General Assembly Meeting Report from Athens, Greece in December 2022**

The SILVANUS Consortium gathered at the 3rd General Assembly meeting in Athens, Greece, between November 29th and December 1st 2022. The meeting was hosted by the SILVANUS partner Centre for Security Studies (KEMEA), under the Greek Ministry of Citizen Protection.

The sessions were focused on user product demonstrations of the SILVANUS platform, from the biodiversity profile and citizen engagement mobile applications, the augmented reality and virtual reality training toolkit for firefighters, the fire detection systems based on social sensing and IoT devices, drone inspection navigation pathways, the fire spread forecast, the user interface, the system integration of all platform components into a sensible infrastructure, and a comprehensive overview of SILVANUS pilots (12 pilots in 11 countries – Italy, Portugal, France, Greece, Croatia, Romania, Czechia, Slovakia, Brazil, Indonesia, Australia).

The 2nd day of the GA was focused on the current status of the individual work packages focusing on the various aspects of the SILVANUS platform, from the development of pilots, to the soil rehabilitation strategy development, advanced wildfire detection capabilities using remote sensing data and weather/climate models, to fire spread models and definitive platform design and integration.

In the first quarter of its second year, the SILVANUS platform is reaching important stages of its development!

## **Demonstration to the External Advisory Board**

The final day of the GA presented the user product demonstrations to the External Advisory Board. The main goal of the EAB session was to show the three EAB members the current progress of the platform, and to acquire important feedback from their respective areas of expertise, which feature the frontline fire rescue activities, the remote sensing and spatial data analysis, along with experiences from forestry and energy sector.

The SILVANUS team is delighted to report that the insights and constructive comments received by the EAB will have a positive impact on the development of the platform. SILVANUS is looking forward to advance fruitful communication with the EAB experts in order to achieve an important tool for wildfire prevention in the era of climate change.



# Overview of Dissemination Events

## SILVANUS Presentation at the IX International Conference for Forest Fire Research in Coimbra, Portugal

The SILVANUS team, led by the project coordinator Michele Corleto and the technical manager Krishna Chandramouli, attended the long awaited IX International Conference for Forest Fire Research in Coimbra, Portugal, organised by the University of Coimbra and the Association for the Development of Aerodynamics, co-sponsored by the Wildfire Management projects Firelogue and FirEURisk. The conference was held between November 14th and 18th, 2022.

The presentation of SILVANUS was made at the European Research and Innovation Plenary Session on the 2nd day of the Conference (Nov 15) in front of a wide audience of wildfire management stakeholders and experts. The session was hosted by Nicolas Faivre from the European Commission.

Michele Corleto introduced the objectives and results of the project, while Krishna Chandramouli continued with a comprehensive outline of the technical framework of the project, describing the four lines of defence against extreme wildfire within the SILVANUS platform through the use of sensors, drones, robots and water cannons. This was followed by the description of methodology and the timeframe of trial periods, along with an overview of SILVANUS pilots in eleven countries on four continents. Stakeholders were invited to closely follow the project and to participate at pilot demonstrations.

The networking at the conference made it possible for SILVANUS to expand its increasing stakeholder pool and to acquire important feedback from fire experts to further advance the SILVANUS platform as the project slowly approaches the stage of pilot implementations.

The presentation was followed by a panel session with the Wildfire Risk Management Projects – FIRE-RES, TREEADS, FirEURisk, FIRE-IN and Firelogue, where ideas about further cooperation between the projects were exchanged on how to maximise the complementary results in wildfire management between all projects.



# Overview of Dissemination Events

## SILVANUS Presentation at the Pegaso International Conference in October 2022



On October 21 and 22, 2022, SILVANUS was presented during the annual online Pegaso International Conference (PICConf). This year the PICConf focused on “Inclusive sustainability in Africa-Europe through dialogue and technology”.

The 2022 PIC International Online Conference is an annual event that aims to encourage discussion about topics related to Inclusive Society, Sustainable Development, Intercultural Dialogue, Higher Education, and Digitalisation. It challenges the topics of multicultural societies also from the aspects of economy and coexistence, especially in the EuroMed region. The rationale for the conference is based on the assumption that information technology, intercultural dialogue, and sustainable development are important factors of higher education, as well as economic prosperity.

During the second day of the conference (22 October 2022) in the course of the sessions on international project Dissemination and Networking Opportunities, Prof. Michele Corleto, SILVANUS coordinator from Pegaso Online University, presented SILVANUS at the “Panel Discussion: Education – Bringing Together People also through Virtual Collaborative Learning”. Prof. Corleto gave out an overview of the lifetime of the project, with a detailed presentation which underliend the main objective to create a climate resilient forest management platform for wildfire prevention.

SILVANUS has identified 18 different stakeholder target groups. The focus in this newsletter is on the following three stakeholders:

## Local Residents and Communities Affected by Wildfire

Residents and communities affected by either their vicinity to potential wildfire sites, or those residents who are affected by damages to infrastructure, water, and/or energy supply due to wildfire events, will be actively contacted through the SILVANUS citizen engagement programme. Through the use of SILVANUS platform, citizens will be educated on the best possible response to preventing or detecting wildfire, on the most efficient methods to contact first responders and firefighting organisations, and on the most effective methods to restore biodiversity after a wildfire event.



## Civil Society Organisations

SILVANUS platform can assist civil society organisations in formulating their requirements and needs to policy makers for wildfire prevention. Further consulting through educational programmes of citizens and stakeholder engagement can provide vital input to the development of the SILVANUS platform in making it more accessible and user-friendly to citizens, effective in wildfire prevention and detection, achieving long-term operability and sustainability.



## Policy Makers

SILVANUS results will provide a policy development recommendation for wildfire prevention and suppression policies. In close cooperation with the Horizon 2020 Green Deal Projects Support Office, SILVANUS can reach the European Commission's policy officers in order to get a clear understanding on how its results may feed into the Commission's policy shaping and process.



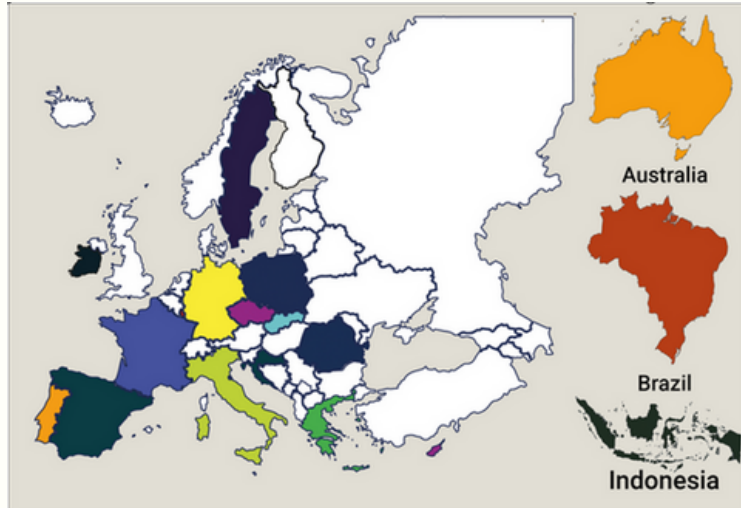


Modern and Innovative Protector Against Extreme Wildfire,  
For the Benefit of Forests and Humankind

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Industrial partners



International partners



Stakeholders



SME organisations



Academic/Research Partners

