

# SUST FOREST PLUS

## SUMARIO

1. SUSTFOREST PLUS FINAL CONFERENCE
2. THE PRODUCTIVITY OF RESIN WORK, THE FIRST GROUPING OF OWNERS, RESEARCH INTO RESINATION STIMULANTS AND NEW PROJECTS: THE KEY ELEMENTS FOR THE FUTURE OF THE TRADE
3. RESULTS OF THE CHARACTERISATION OF THE SOCIO-OCCUPATIONAL PROFILE OF RESIN WORKERS
4. THE EUROPEAN NETWORK OF RESIN-PRODUCING TERRITORIES (RETR), A REALITY
5. THE BASIS FOR THE EUROPEAN NATURAL RESIN GUARANTEE OF ORIGIN TRADEMARK HAS BEEN ESTABLISHED
6. FIRST VIDEO ON THE VALIDATION TRIAL OF NEW RESINATION STIMULANTS RELEASED

Scientific publications

Resin Task Forces

Newsletter 6 / Setember 2021



# 1. SUSTFOREST PLUS FINAL CONFERENCE

25 October 2021

The Interreg Sudoe is coming to an end after 3 years of hard work and achieving many project outcomes. Now it is time to present them at the Project final conference which will be held on November 9th and 10th in Bordeaux (France).

This will provide a unique opportunity to hold a global vision of the work done which is framed in these tree pillars:

- During the conference, the new resin extraction methods, the profitability and the international markets for the biologic-originated products will be identified.
- You will discover the marketing and traceability tools and the resin quality assessments the Project has implemented as well as any suggestions made to improve the resin workers' working conditions.
- Considering this is a long-term Project, you will be able to join the several networks created to sustain the resin extraction activity.

The final conference is jointly organised by the European Institute of the Cultivated Forests, the Centre National de la Propriété Forestière and Fundación Cesefor.

## PROGRAM/ SIMULTANEOUS TRANSLATION into FRENCH-SPANISH-PORTUGUESE-ENGLISH TRANSLATION into FRENCH-SPANISH-PORTUGUESE-ENGLISH

### Day 1 – 9th November

#### Introduction (30 min) – 9:30 am

Presentation of the SustForest+ Project and the conference program: aims, organisation and major achievements.

#### **Session 1: Resin bioeconomy (60') 10:00-11:00**

- Economic sustainability of resin production in Europe
- International market development scenarios and impact on microeconomics 15' - (Armand Clopeau, Christophe Orazio - IEFC)
- Gemm\_Est and Scots Pine Resin Tapping - 15' - (Francis Colin - INRAE & all of the Project's participants)
- A Review by the European Resin Sector through their Value Chains - 12' - (Armand Clopeau, Christophe Orazio - IEFC)
- Market Niches based on the Environmental Characteristics of the European Resin-Tapping Systems - 15' - (Pedro Ferreira - Câmara Municipal de Penela)

**Coffee break - 11:00-11:30**

**Session 2: Territorial Development (80') 11:30-13:00**

- Networks for the Development of Resin Production in Southern Europe
- Clustering Models for Resin Production Management -15' (Marlène Baudet - CNPF, Aída Rodriguez - CESEFOR)
- Experimental Plot Network 12' - (Ricardo Alía - INIA)
- Strategy of the Resin-Producing Territories and ERNE's Aims for Spain, France and Portugal 10' - (Goyo Cazorro - CESEFOR)
- State and Prospects of the Resin Tapping in New Aquitania - 10' - (Henri Husson - CNPF)
- Demo Video showing the Borehole Method for Resin Tapping in Las Landas - 10' - (Cyrille Fournet - Gemme la Forêt d'Aquitaine)

**Lunch 13:00-14h00**

**Workshops (60') - 14:15**

- Discussion Forum on the Establishment of a Sectorial Association to Promote the Oleoresin Sector - 90' - (Goyo Cazorro - CESEFOR, Pedro Cortes - GeoTerra, Marlène Baudet - CNPF)

**Coffee break: 15:45 -16:00**

**Workshops Outline**

**Session 2: Territorial Development – continuation (45') - 16:15-17:00**

- Guarantee of origin label for European natural resins - 15' - (Aída Rodriguez - CESEFOR)
- European Resin Traceability and Logistics Control System - 10' - (Goyo Cazorro - CESEFOR)

**End of the day - 17:00**

**20:00-23:00 Dinner at the Sicambre boat restaurant**

**Day 2 – 10th November**

**Session 3: Tools (90') - 9:00: 10:40**

- Resin Chemical Characterization Based on the Pine Species, the Resin Method and the Geographical Origin - 10' - (Morandise Rubini - UPPA)
- Early Evaluation System for Resin Productivity and Modelling - 12' - (Ricardo Alía - INIA)
- Mapping Areas of Resin Production Potential - 15' - (Ricardo Alía - INIA)
- Adapting Remote Sensing to Mapping: From the potential Profitability of Resin Production to the Evaluation of Combustibility - 15' - (Pedro Cortes - GeoTerra)
- Guidelines to set stands of high potential for resin production - 12' - (Ricardo Alía - INIA)

**Coffee break (30') 10:40-11:10**

**Session 3: Ecosystem Services (75') 11:00 - 12:15**

- Evaluation and Valorisation of the Resin-Tapping-Related Positive Externalities.
- Resin Tapping and Wood Production Compatibility - 15' - (Marlène Baudet, Henri Husson - CNPF)
- Evaluation of the Environmental Characteristics of European Natural Resins: Carbon Balance - 15' - (Pedro Cortes - GeoTerra)
- Integration of the Resin Tapping in Fire Protection Systems - 15' - (Pedro Cortes - GeoTerra)
- Acknowledgements

**Lunch (70') - 12:20**

**Visit 13:30 - 18:00**

Visit to a Processing Industry

**End of the Event - 18:00**





## 2. THE PRODUCTIVITY OF RESIN WORK, THE FIRST GROUPING OF OWNERS, RESEARCH INTO RESINATION STIMULANTS AND NEW PROJECTS: THE KEY ELEMENTS FOR THE FUTURE OF THE TRADE

21 October 2021

The boost of the Interreg Sudoe SustForest and SustForest Plus projects, which began in 2010; the start-up of the European Resin Territories Network and Strategy and the continuity of the actions of the ResinLab, ACREMA and RESINEX Operational Groups, are the key projects for the resin sector.

The International Conference of the Interreg Sudoe SustForest Plus project, The Resin Tree: the future of a trade, was held in Soria on 4 and 5 October and brought together the main agents involved in the development of the resin resource as a factor for job creation and revitalisation of the economy in the territory. The opening ceremony was attended and supported by Yolanda Santos, Councillor for Tourism of Soria City Council; Benito Serrano, President of the Provincial Council of Soria, and Yolanda de Gregorio, territorial delegate of the Junta de Castilla y León in Soria, together with the manager of the Cesefor Foundation, Pablo Sabín.

During these two days, the following actions and results of the SustForest Plus project were presented:

### **The Plan for the improvement of the quality of work and the sustainability of the resin trade.**

Through this study carried out by the Portuguese partners of the SustForest Plus project, the National Institute of Agricultural and Veterinary Research, INIAV, the Municipality of Penela and the Municipality of Proença-Nova, a study has been carried out to know the socio-labour profile of the European resin workers. Among the observations detected, it was concluded that the resin workers are a diverse group, but it is common to all the countries studied that it is a hard job with little social recognition.

Also, despite the low remuneration of the activity, the main dissatisfaction of this group, it is important for the income of their families. It is therefore concluded that it is essential for the resin workers to increase labour productivity, and to improve organisation, training and innovation in the sector to add value to the resin, taking advantage of the opportunities for decarbonisation of the economy and the bioeconomy.

## The contribution of the resin activity to the defence against fires

INIAV presented its results in relation to the positive externalities generated by the resin activity and its adaptation to the policies of the new Common Agricultural Policy (CAP), highlighting the contribution of this activity to the fire defence system, one of the main forestry problems in this country. Within this line, the City Council of Provença Nova presented the integration of the resin tree grower in the municipal fire defence system in its territory. The conclusion reached was that, given the current state of abandonment of the pine forest, the reactivation of resin exploitation will only be possible if it is integrated into preventive forestry actions.





# 3. Resultados de caracterización del perfil sociolaboral del resinero

7 September 2021

Through two infographics, the Interreg Sudoe SustForest Plus project shows the results of the characterisation of the socio-labour profile of the resin workers that have been extracted after the study carried out by the project and after the consultation of more than 80 questions asked to more than 10% of the resin population and with the results obtained from resin workers from Castilla y León, Castilla La Mancha, Galicia, Andalusia and Extremadura.

Following this study, it can be deduced that, after a very significant reduction in resin activity over two decades, there has been a reactivation of the sector in the last 10 years, but despite this reactivation, a perception of uncertainty in the activity has been identified. Moreover, the concerns expressed about the future of the profession are mainly related to the remuneration of the work.





## 4. THE EUROPEAN NETWORK OF RESIN-PRODUCING TERRITORIES (RETR), A REALITY

13 December 2021

After the last meeting of the European Network of Resin-Producing Territories (RETR), which took place in Bordeaux on November 9 and 10, at the same time as the Final Conference of the SustForest Plus Project, the top management positions of this entity were ratified: Chairmanship, vice- Chairmanship and Secretariat, as well as the Executive and the Advisory Committees. In order to close the formal process, the signatures of some partners are still necessary. The RETR is made up of the following:

- Chairmanship of the RETR General Assembly: Proença a Nova.
- Vice- Chairmanship of the RETR General Assembly: Gedel Directorate
- Natural Environment of the Junta de Castilla y León
- RETR General Assembly Secretariat: INIA-CSIC.
- Executive Committee Chairmanship: Fundación Cesefor.
- Portuguese Territorial Vice-Chairmanship: Geoterra
- French Territorial Vice-Chairmanship: Gemme la forêt
- Non-territorial Chairmanship: INIAV.
- Executive Committee Secretariat: Pine Industry Association
- Deputy 1 for the Executive Committee: RESIPINUS.
- Deputy 2 for the Executive Committee: Diputación de Soria.
- Deputy 3 for the Executive Committee: EIFC.
- Advisory Committee Chairmanship: UPM.
- Elected Member of the Advisory Committee 1: Lourizán Forestry Research Center.

In this last meeting of the Network, it was also agreed that March 2022 will be the date on which the third assembly would take place. It will be organised by the Municipality of Proença a Nova, which holds the chairmanship of the General Assembly in Portugal.

### **The European Network of Resin- Producing Territories (RETR)**

This is the benchmark organization for the natural resin sector at a European level, bringing together all of its value chain members in a solid, comprehensive and open manner. The RETR is considered by the socioeconomic players as a legitimate sectoral interlocutor, recognised for its technical rigor and appreciated by society as an entity that contributes to attaining the sustainable development goals. Its mission is to lead initiatives that increase the profitability of the activity of members of the European natural resin, from the forest to the market; favoring the establishment of the resin activity and culture in the forest territories, the visibility of the sector as a generator of positive externalities for the society and the products manufacturing that meets the sustainable development aims, as well as obtaining support for the sector from the public authorities.





## 5. THE BASIS FOR THE EUROPEAN NATURAL RESIN GUARANTEE OF ORIGIN TRADEMARK HAS BEEN ESTABLISHED

13 December 2021

One of the most awaited parts of the SustForest Plus project, the process of laying down the basis for the management and development of the Guarantee of origin trademark for the European natural resins, and its regulations for use, has been completed. This is the first step towards the creation of the Guarantee Trademark itself.

The basis include the agreements reached over the last few years of work by the resin sector, such as the type of trademark: Collective Trademark, the name: ☐ Natural Resin from Europe', or the owner: European Network of Resin-Producing Territories (EUTR ).

In accordance with the provisions of the Commission's Execution Regulation (EU) 2018/626, of March 5, 2018 (hereinafter REMUE), and the Delegated Regulation (EU) 2018/625, of March 5, 2018, along with that in the European Parliament and Council's Regulation (EU) 2017/1001, of June 14, 2017, the resins that comply with this Regulation requirements in terms of production, handling, processing and commercialization are protected by the collective Trademark 'Natural Resin from Europe'.

According to the protection definition, the Collective Trademark 'Natural Resin from Europe' is the mark that certifies the species, management and origin of the resins authorized and controlled by its owner, the 'European Network Association of Resin-Producing Territories'. Likewise, it indicates that the product identified by the 'European Network Association of Resin-Producing Territories' in these Regulations for use is: 'Natural Resin from Europe', in reference to the resin obtained from standing trees, coming from the extraction of the resinous oozing of the genus *Pinus* (*P. pinea*, *P. pinaster*, *P. sylvestris*, *P. uncinata*, *P. nigra* subsp. *Salzmannii*, *P. halepensis* and *P. canariensis*) which is formed by a solid phase and a liquid phase called rosin and turpentine, respectively. The production and processing area is located in the European Continent and is made up of all of the resin-producing countries in their geographic area that are members of the European Union.

For your reference, other details are available in the attached draft. This document is a proposal in nature and in the coming months, amendments will be made to it by all the interested agents of the sector that take part or wish to take part in the RETR. To do this, it will be published on this website and all members of the Network will be informed via email of the interactive working session to lay down the basis that will take place in February 2022.



## 6. FIRST VIDEO ON THE VALIDATION TRIAL OF NEW RESINATION STIMULANTS RELEASED

27 May 2020

We have published an interesting video in our gallery about a trial that the SustForest Plus project has been carrying out since 2018. Here we explain how a trial for the validation of the use of new resination stimulants in the exploitation system of Spanish pine forests is carried out at the ETS de Ingeniería de Montes, Forestal y del Medio Natural of the Universidad Politécnica de Madrid (as a partner of the SustForest Plus project). Specifically, the trial focuses on the characterisation of the effects of innovative stimulant paste formulations on resin production and plant condition. We will be publishing all the results of this trial in the coming months.



## SCIENTIFIC PUBLICATIONS

The role of forest products in the global bioeconomy – Enabling substitution by wood-based products and contributing to the Sustainable Development Goals

Timing of resin-tapping operations in maritime pine forests in Northern Spain

Modelling resin production distributions for *Pinus pinaster* Ait. stands in NW Spain

Traumatic resin ducts induced by methyl jasmonate in *Pinus* spp

Characterization and determination of the quality of rosins and turpentine extracted from *Pinus oocarpa* and *Pinus patula* resin

Assessment of biological activities of resin extracted from *Tunisian pine* forests

Identification of the diterpenoid biosynthesis genes and their expression status in relation to oleoresin yield of masson pine

Variation in resin flow among Maritime pine populations: Relationship with growth potential and climatic responses

Growth-defence trade-offs in tapped pines on anatomical and resin production

Tapping into nature's benefits: values, effort and the struggle to co-produce pine resin

## Resin Task Forces



**NETWORK OF TERRITORIES FOR THE PROMOTION OF THE RESIN INDUSTRY. CASTILLA LA MANCHA - EXTREMADURA - CASTILLA Y LEÓN**



**ADAPTATION OF RESIN PRODUCTION TO PINUS PINASTER STANDS FOR TIMBER PRODUCTION PURPOSES**



**TRANSFER OF KNOWLEDGE, PROFESSIONALISATION AND INNOVATION IN THE EXTREMADURAN RESIN SECTOR**



# SUST FOREST PLUS

