

The European Innovation Network On Mediterranean Natural Resin

Resins iNet

INCREDIBLE Project - H2020

International Workshop

Resin extraction as a building block of sustainable forest multifunctionality

Cestas, France - March 5th/6th, 2019

Coordinator



Partners



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 774632

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Coordinator



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INCREDIBLE receives funding from the European Commission's H2020 programme through the RUR-10-2016-2017 call, Thematic Networks compiling knowledge ready for practice

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INCREDIBLE Project - Horizon 2020

Non-wood forest products in
the European Union's
innovation program.

INCREDIBLE: an European Thematic Network

on Innovation networks on Mediterranean Non Wood Forest Products aims to bridge innovation gaps in NWFPs sectors,

mobilising knowledge, to make innovation happen

- Funded by EU innovation program Horizon 2020

Coordinated by the European Forest Institute

- 13 Partners from 6 countries from the Mediterranean basin
- November 2017 to October 2020

Coordinator



Partners



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INCREDIBLE, a *net of networks* for innovation 5 iNets



Cork iNet



Resins iNet



Wild nuts & berries iNet





Mushrooms & truffles iNet



Aromatic & medicinal



Coordination **EFIMED**  
Local partners in Portugal, Spain,
France, Italy, Tunisia, Croatia, Greece



Other partners outside the Mediterranean region:
EFI, JOENSSU (FI)
ESSET, MEISE (BE)

Sources:
www.globalforestwatch.org
Creative Commons: Peter Chlebik, Buena
Buena, Marek Polakovic, Creative Stall,
Iconsphere for Neom Project

Join us at

<https://incredibleforest.net/content/join-inet>

Involving key stakeholders (value chain positions)

How do iNets work?

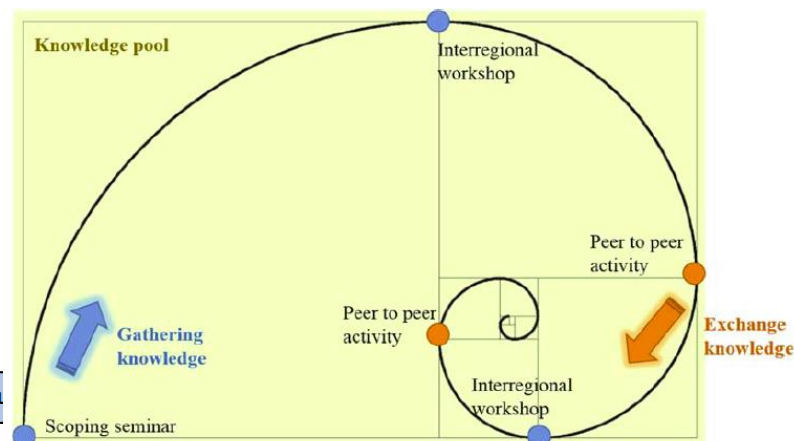
Joining common agenda (challenges, goals 2020)

Collaborating

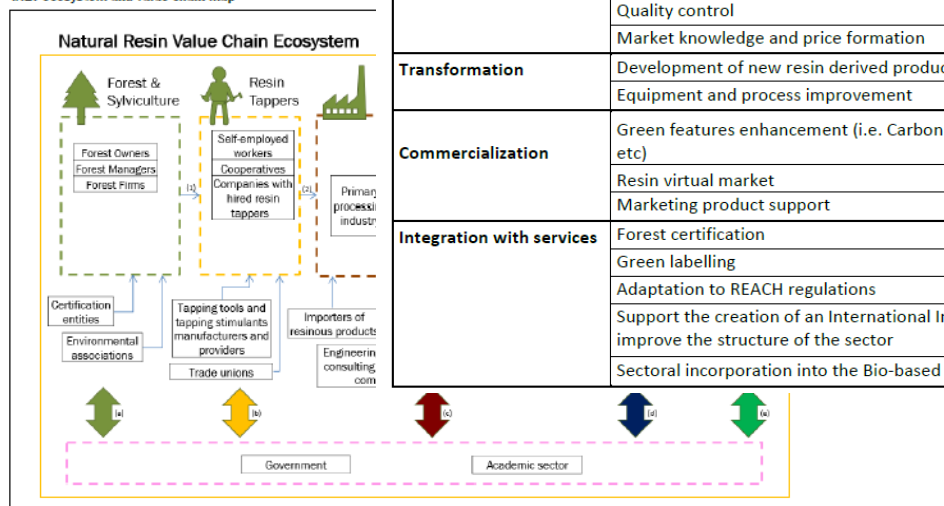
Crossfertilisation

Key themes proposal

NATURAL RESIN AS A BIOECONOMIC RAW MATERIAL	
Production/Harvesting	<ul style="list-style-type: none"> Implementation of production traceability systems Logistical integration (i.e. computerization of the logistic process) New harvesting methods Quality control Market knowledge and price formation
Transformation	<ul style="list-style-type: none"> Development of new resin derived products Equipment and process improvement
Commercialization	<ul style="list-style-type: none"> Green features enhancement (i.e. Carbon footprint assessment, stamp of origin, etc) Resin virtual market Marketing product support
Integration with services	<ul style="list-style-type: none"> Forest certification Green labelling Adaptation to REACH regulations Support the creation of an International Interprofessional Resin Organisation to improve the structure of the sector Sectoral incorporation into the Bio-based Industries Public-Private Partnership



iNET ecosystem and value chain map



What type of challenges?

Priorities can relate to all aspects of the value chain.

- **Production**
- **Transformation**
- **Trade**
- **Integration** of products and services
- **Cross-cutting sectorial issues**
 - **Innovative business models** and value chains
 - **Access to finance** and **market intelligence**
 - New applications of **digital tools**

INCREDIBLE tools

INNOVATION EVENTS

1. **Scoping Seminar**
2. **Interregional Workshops**
3. **Science to Practice**
4. **Cross cutting seminars: NWFP x (IT + Marketing + New bussines models)**
5. **Innovation challenges**
6. **Policy forum**
7. **Training sessions**

KNOWLEDGE REPOSITORY

- **Research**
- **Success stories**
- **Best practices**
- **Databases**
- **Technical reports**
- **Policies**

Factsheets

Ready-to-use knowledge
in the EIP-AGRI common
format

Who can take part?

INCREDIBLE is open to all those interested in

“creating economic, social and environmental value through improved production, collection, processing, and marketing of Mediterranean Non-Wood Forest Products (NWFPs)”

Coordinator



Partners



Forestas
SARDEGNAFORESTE



ITI FOR
valuing nature



CRISTIAN
DUMES
RESEARCH
INSTITUTE



unac
UNIVERSITY OF NOVI SAD



University of Ioannina
Department of Forestry Education



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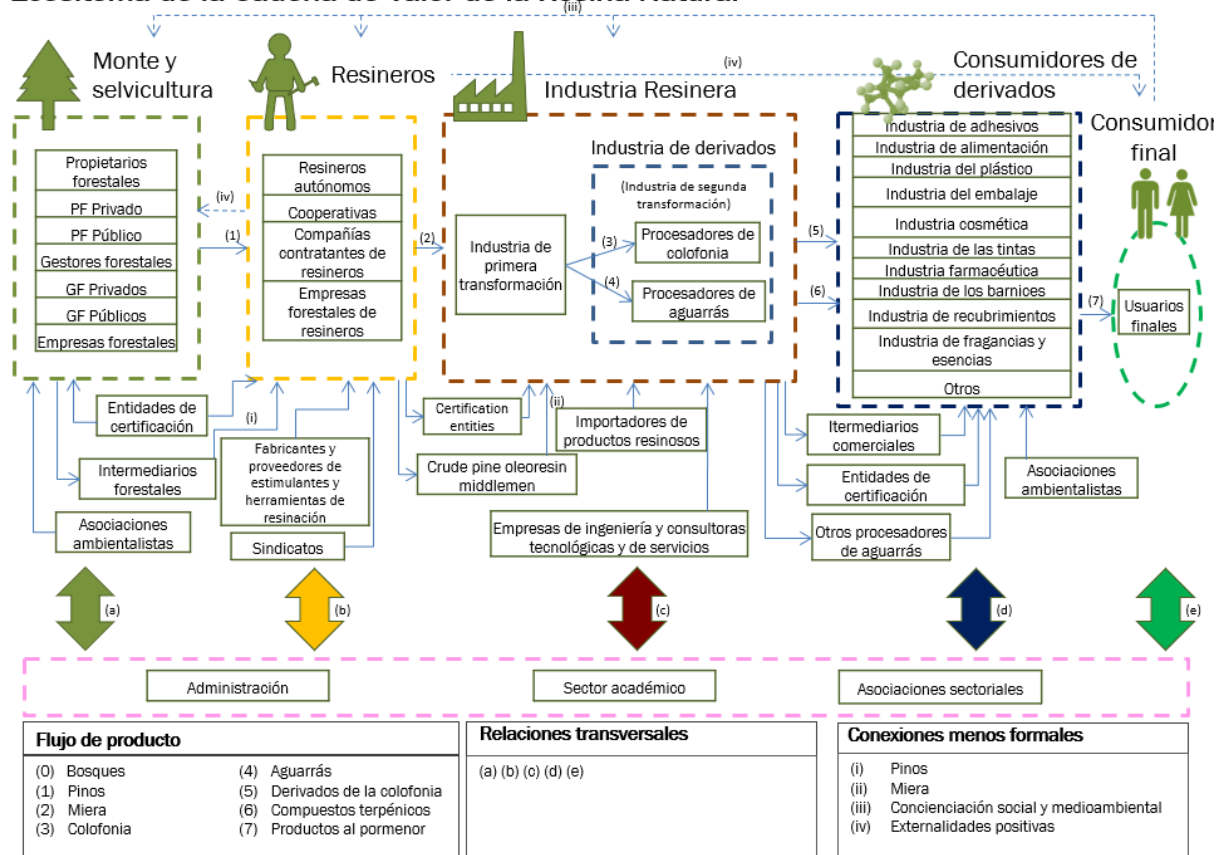
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The Resins iNet

The European
Innovation Network On
Mediterranean Natural
Resin

Resins iNet : Involving key stakeholders

Ecosistema de la Cadena de Valor de la Resina Natural



Initially identified

214

Potential stakeholders
in the Mediterranean
basin region

Scoping seminar



Valladolid, May 8th 2018

39 participants

Four countries

Sectoral representativeness

- Forest owners **5**
- Resin tapers **7**
- Industry **10**
- Traders **6**
- Others **7**

Scoping seminar



Work sessions

- **Value chain review**
 - **SWAT**
 - **Narrative analysis**
-
- **Priority innovation themes**
 - **Ideal situation**
 - **Roadmap basis**

Scoping seminar

Priority themes to focus INCREDIBLE actions

- 1. Long term resource availability in a context of climate change**
- 2. Compatibility of resin harvesting with other forest uses**
- 3. Improvement of working conditions and profitability for**

resin tappers

Los resúmenes de la hoja de ruta se podrán consultar en la web del proyecto INCREDIBLE <https://www.incredibleforest.net/inet/resins>

- 4. Development of new products derivative**

Science to practice

Advances in mechanization of the use of natural resin



Soria, October 23th 2018

59 participants

Sectoral representativeness

- Resin tappers
- Industry
- Forest owners
- Public administration
- Researchers
- Teachers
- Forestry students

Interregional Workshop

Resin resource monitoring & modelling in a context of climate change

Madrid, January 21/22, 2019

Organised by INIA and CeseFor

52 participants
4 countries

Sectoral representativeness

- **Industry**
- **Forest owners**
- **Public administration**
- **Researchers**
- **Teachers**

Interregional Workshop

Resin resource monitoring & modelling in a context of climate change

Some results and proposals

Monitoring system proposal

- Network of real production monitoring plots.
- Product traceability system.
- Other data to capture: pests and diseases, stimulant effects, natural conservation compliance.

Modelling

- A preliminary resin production model is possible in the short term.
- This requires data input from industry and other value chain members.
- The industry needs a data protection commitment.

Socioeconomical issues

- A resin tapper official register is needed
- Global market evolution is needed

Resins iNet : Upcoming events

Interregional Workshop

Development of new products derived from natural resin

European Forest Institute (EFI)

Barcelona –November, 2019 (Date to be confirmed)

The Interregional Workshop

Resin extraction as a building
block of sustainable forest
multifunctionality

Rationale into the Resins iNet Priority themes

Reference priority themes

- **Compatibility of resin harvesting with other forest uses.**
- **Improvement of working conditions and profitability for resin tappers.**

Key issues

- Natural resin extraction adapts to the concept of multifunctional use of the forest.
- Forest owners need references to assess the compatibility of resin harvesting with other forest uses in their forest exploitation.
- The resin worker can play a key role in the multifunctional forest use, while producing valuable positive externalities for the community.
- Public administrations may favour initiatives to support the use of resin through socioeconomic and trade promotion measures.

Rationale into the Resins iNet Priority themes

General objective

Answer the question: Under what conditions is it profitable to start natural resin extraction in pine forests from the point of view of the multifunctional use of the forest?

(For the forest owner, the resin tapper and the public administration)

Participants

The entire resin **data** value chain

Methodology

Definition of needs, feasibility and data availabilities.

Thank you!

Enjoy the meeting

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Coordinator



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