

Digitalisation stories

of the forestry sector in Castile and León, Spain

Rodrigo Gómez
CTO | Cesefor





www.cesefor.com

Cesefor is committed
in the fight against
climate change



Seriously committed to effective
equality of opportunities between
women and men



Thanks for bringing me here

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Stories we will see today...

Castile and León

Where and how we are Cesefor

Data management

Timber
Surveillance
Restoration
Inventories

Trade and markets

Mushrooms
Hunting
Natura resins

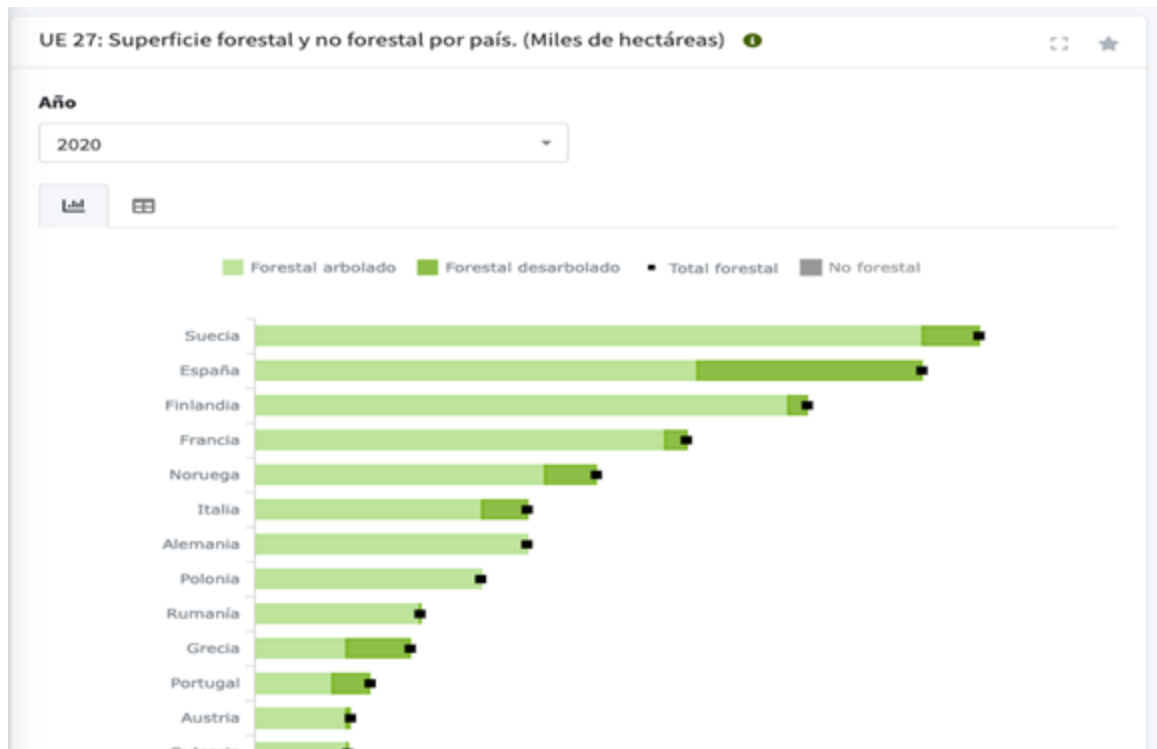
Tourism and promotion

Mushrooms picking
Fishing
Recreational áreas



Castile and Leon?

Is Spain a forestry country?



Castile and Leon



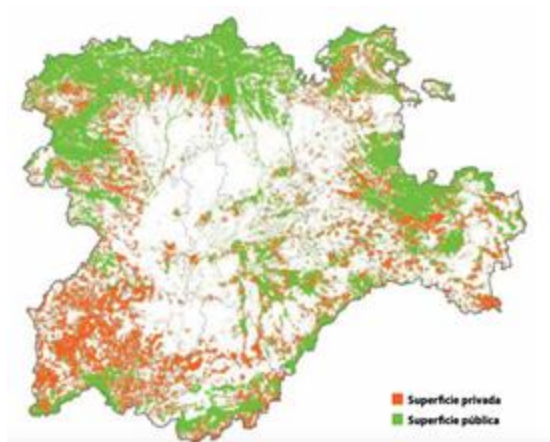
Castilla y León

Located in the interior **Northern Spain**

2,500,000 inhabitants (26 inhab/km²)

2,250 municipalities
(99% less than 10,000 inhabitants)

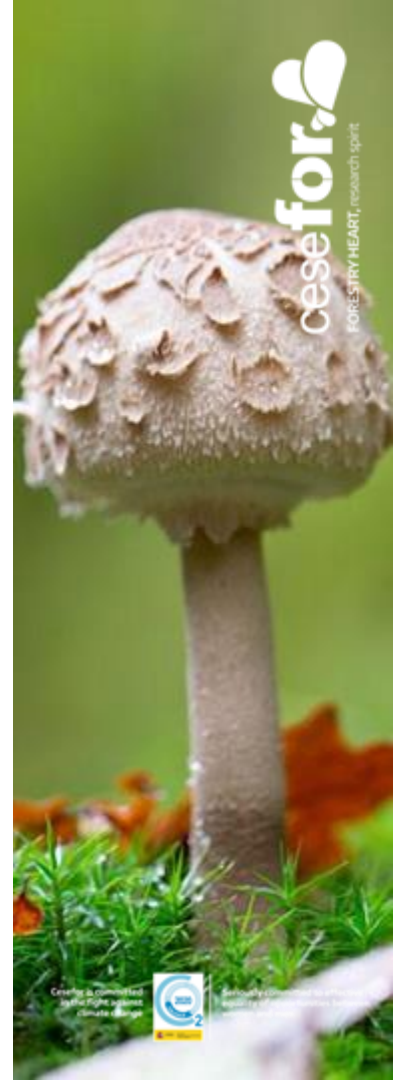
50% public forests
50% private forests
750.000 forest owners



Cesefor in a few words

Cesefor is a **private research organization** with over **20 years** of experience, *working from **Castilla y León** for a better future of the forests in the Region, Spain and Europe.*

Focused on transfer and promotion, more than **100 enthusiastic people** are working to support the **development of forest value chains to the bioeconomy transition.**



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15 PhDs

They guarantee the scientific quality of all our projects and tasks performed



20 Degrees

Engineering, social sciences, humanities... to face challenges from lateral thinking.

20 Researchers

Enable innovation and continuous improvement in the sector



Female/male parity

Effectively committed through an Equality Plan Cesefor.



We work on...



Cese for. is committed to the fight against climate change.



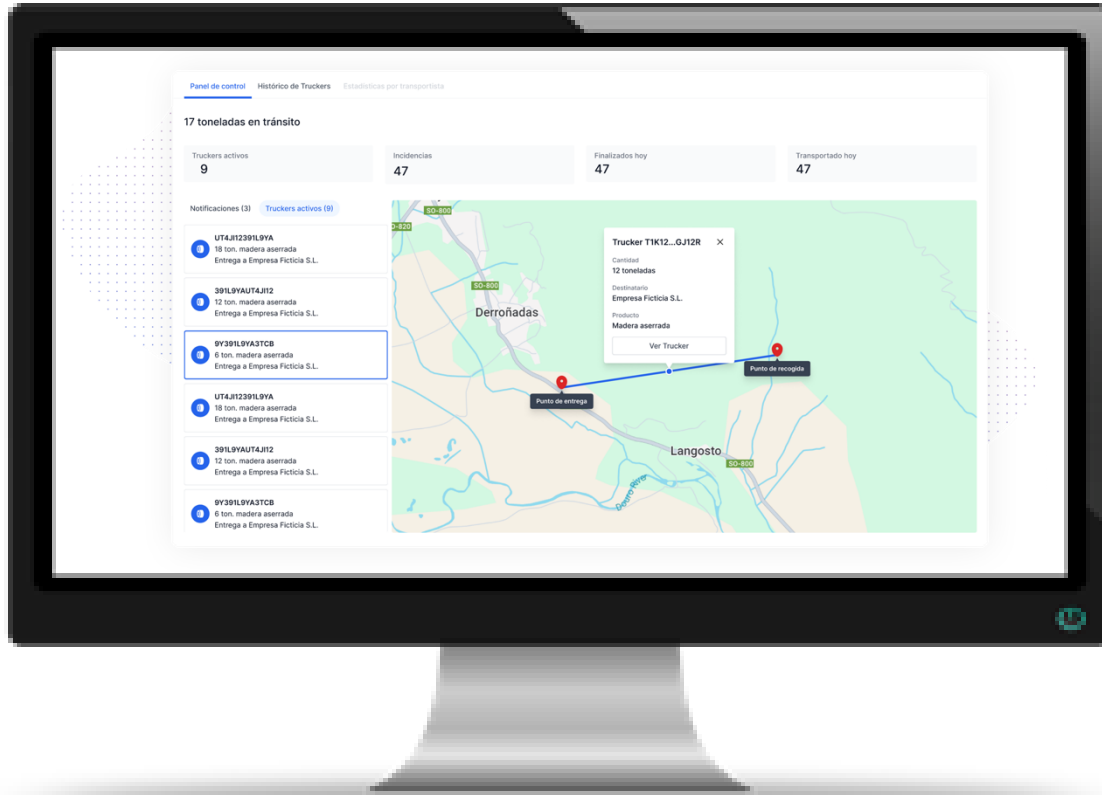
Seriously committed to effective equality of opportunities between women and men.

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FORESTRYHEART, research spirit.

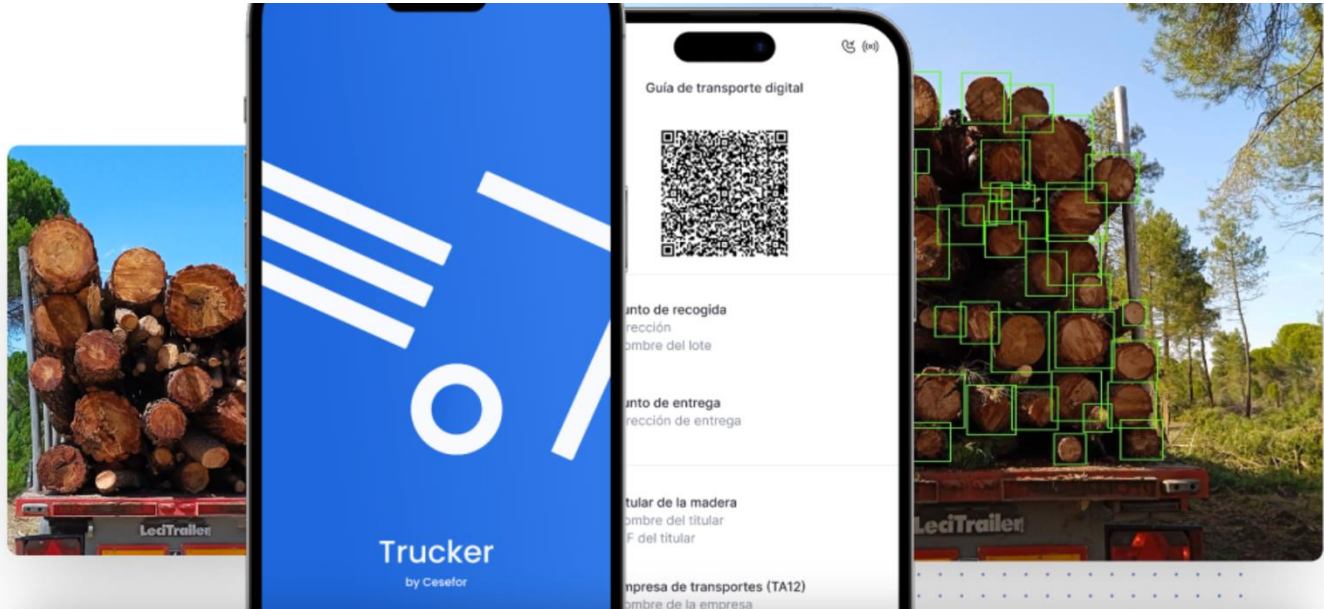
Data management stories



Timber tracking and supply ERP

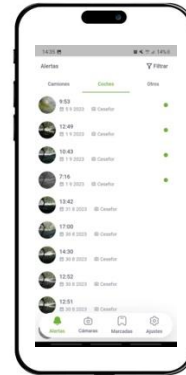
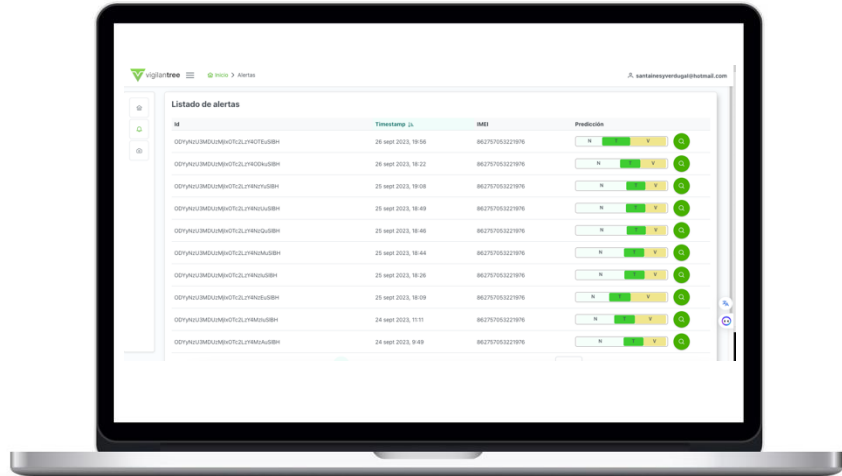
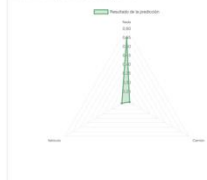


Timber tracking and supply ERP

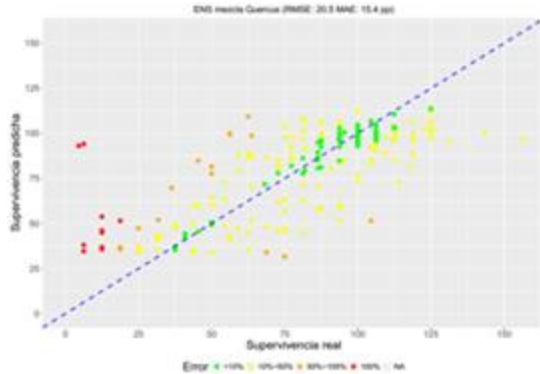


VigilanTree

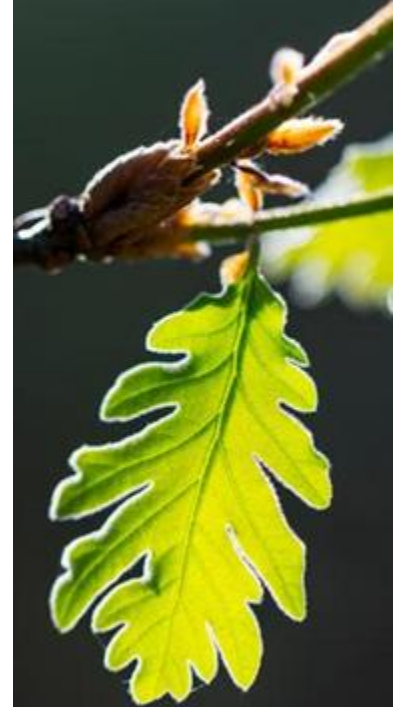
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 Marca de tiempo: 25 sept 2023, 18:49



Forest Restoration decision-making system



- Inspections data from 1993 to 2024 = Big data
- AI models to predict future restoration success



Under canopy UaVs forest inventories



Trade and markets stories



Mushrooms and truffles trading solutions



2023 data:

- 11,000 transactions
- 40,000 boxes of mushrooms,
- 200,000 kgs
- 42 standardized products managed (mushroom types and qualities, e.g. *Boletus edulis* 1st, *Lactarius deliciosus* 2nd, etc.)

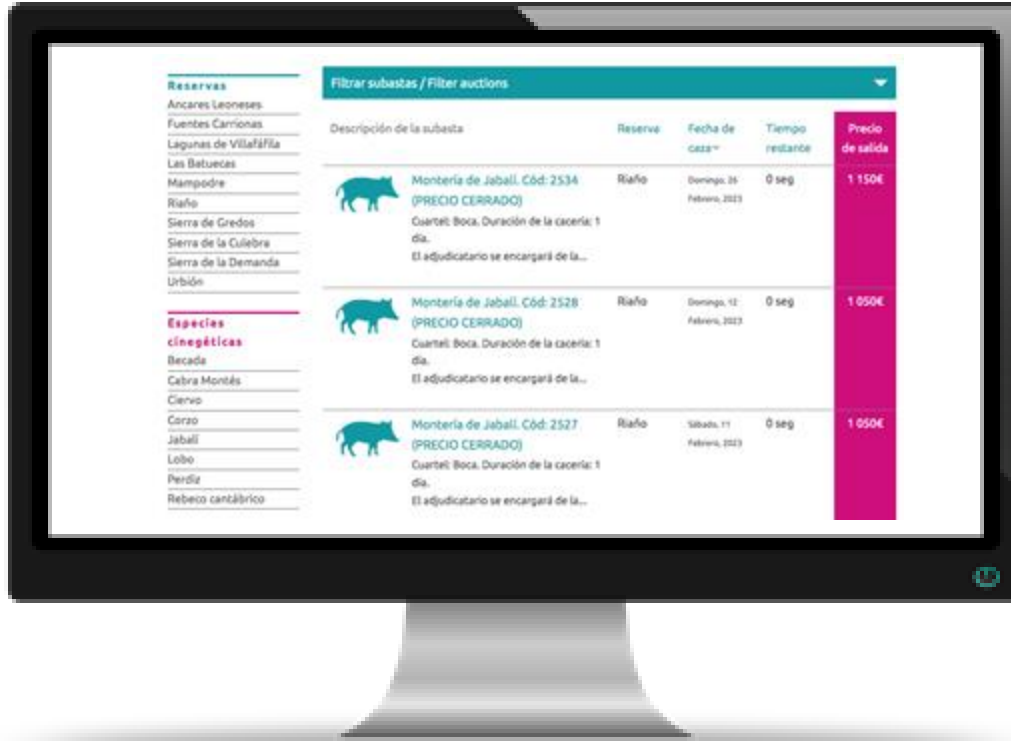


Public Hunting games auctions

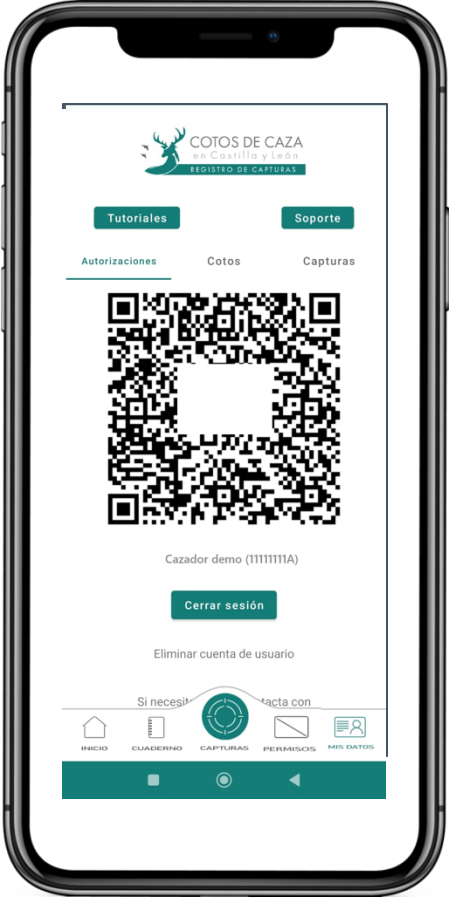
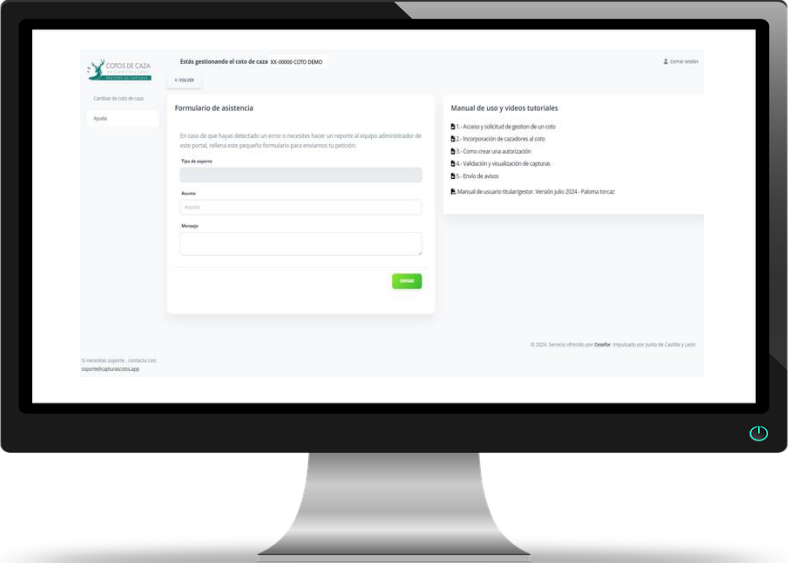


RED DE
**RESERVAS
REGIONALES DE CAZA**
DE CASTILLA Y LEÓN

NOS
IMPULSA  **Junta de
Castilla y León**



Private hunting reserves management



Natural resins trading solutions



ABOUT MARKETPLACE COMMUNITY CASE STUDIES

< Case studies

ResinApp: A Web/Android App for logistics and natural resin traceability



Tourism and promotion stories

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Mycological information for harvesters

www.micologiacyl.es



Fishing rivers informaton system



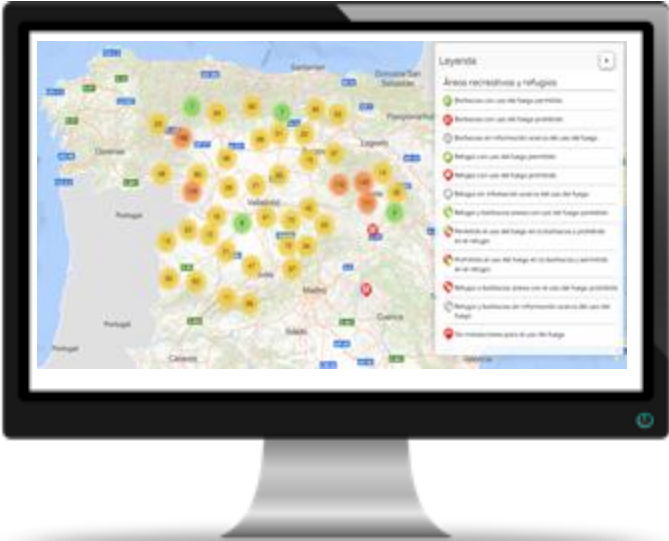
www.pescacastillayleon.es



Fishing rivers informaton system

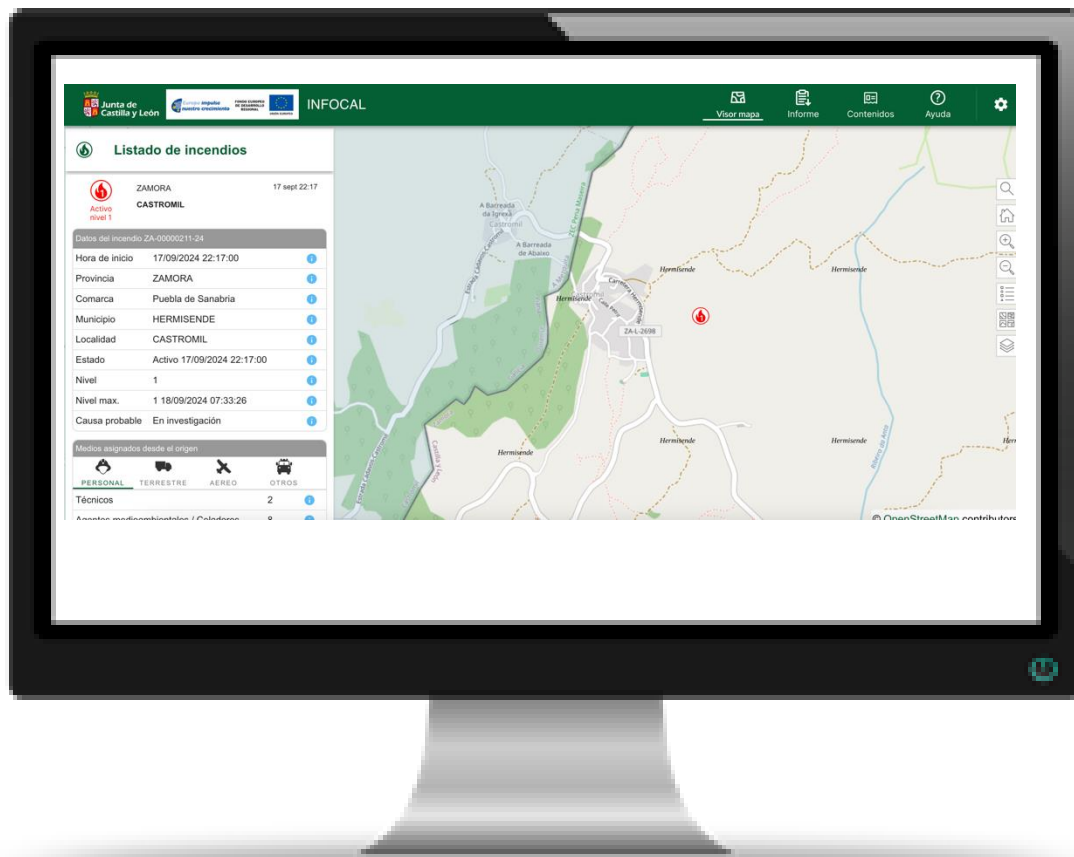


Recreational areas and forest fires restrictions

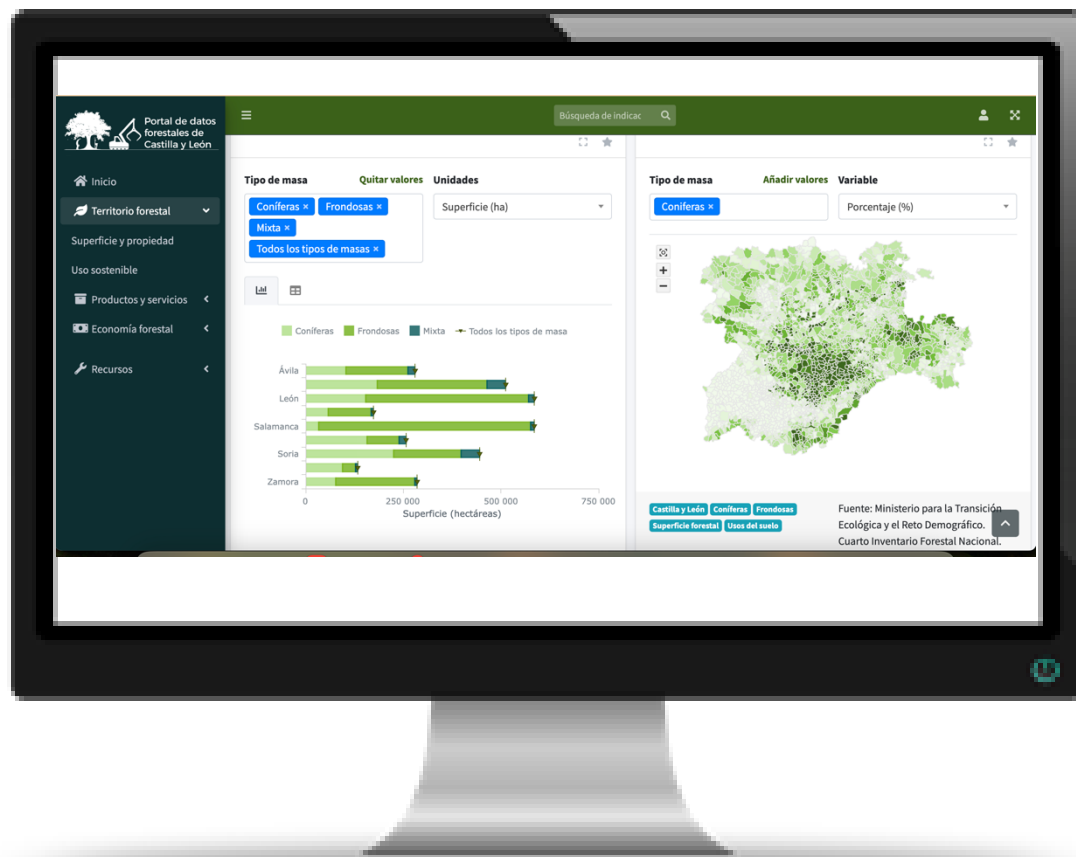


www.incendioscyl.es

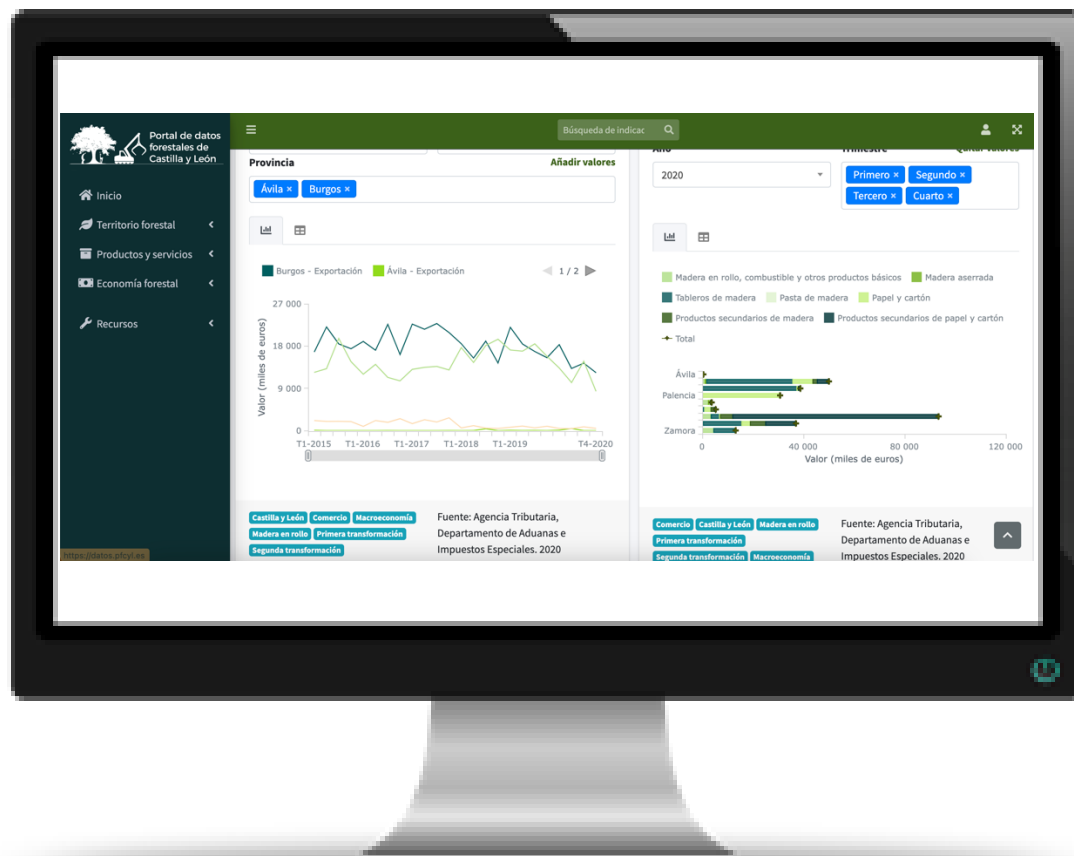
Real time forest fires information



Forestry data Dashboards



Forestry data Dashboards



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**More info? Please write me to
rodrigo.gomez@cesefor.com**

