Integrated digital platforms to develop logging technology companies – IT-FOR

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PIATTAFORMA INTEGRATA PER LO SVILUPPO DI IMPRESE TECNOLOGICHE FORESTALI
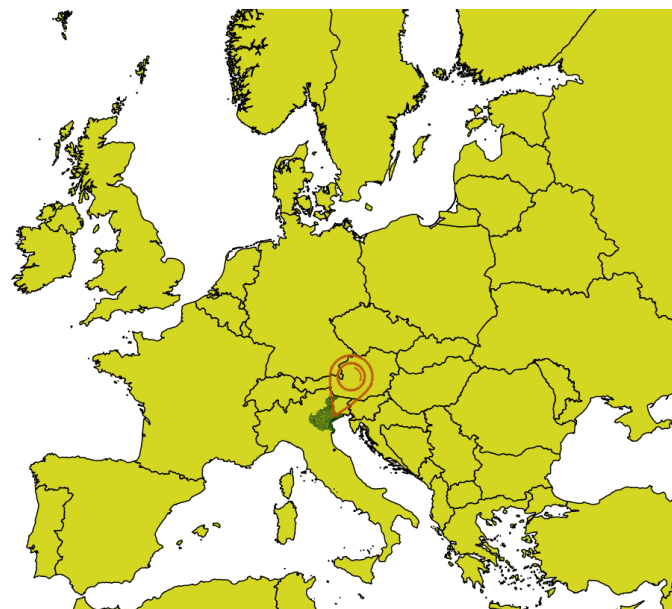Gruppo Operativo Progetto IT-FOR

The Project

What? Innovation brokerage for an Operational Group for the modernisation of logging companies

Where? Veneto region, North-eastern of Italy

How? Founding from EU Rural Development of Veneto Region *(Misura 16, Sottomisura 16.1, Intervento 16.1.1, FASE 1, Innovation Brokering)* *(from May 2017 to April 2018)*

Who?

Consorzio **Imprese Forestali** del Triveneto
C/FORT

Consortium of logging (*small*) companies

AIEL ASSOCIAZIONE ITALIANA **ENERGIE AGROFORESTALI**

Wood biomass association

T=SAF Dipartimento Territorio e Sistemi Agro-Forestali Università di Padova

Academic partner

Inform-prioritize-collaborate: cooperation of regions on innovation in forest management, use of wood and forest-related services (April 26th, 2018 – Brussels)
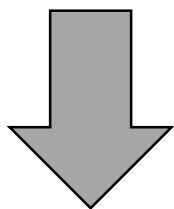
Why an *innovation brokerage* for the modernization of the logging companies at regional scale?

Small forest logging companies
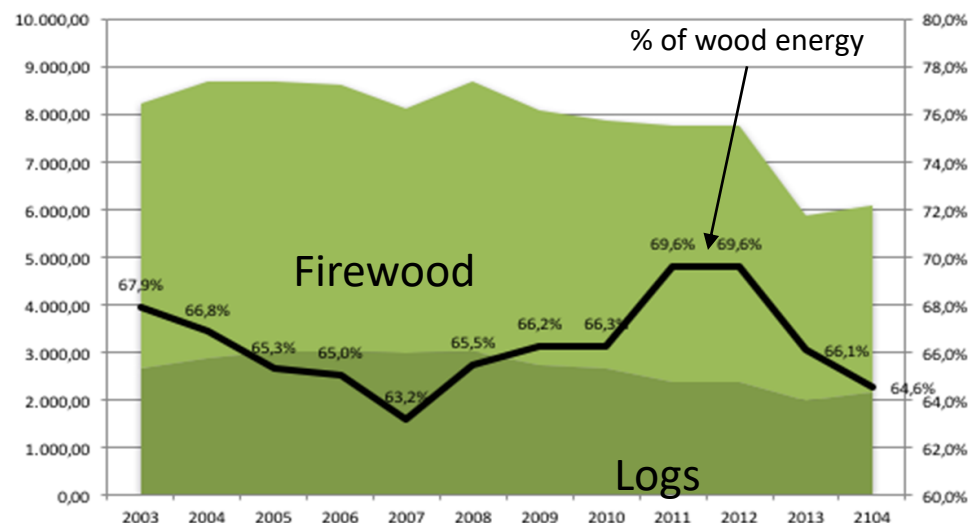Small forest ownership and high forest ownership fragmentation
Small wood processing enterprises (*sawmills and wood biomass enterprices*)

Wood mobilisation rate
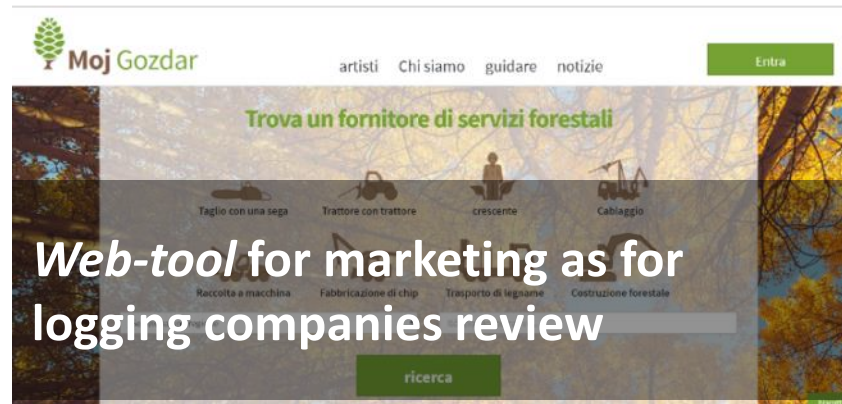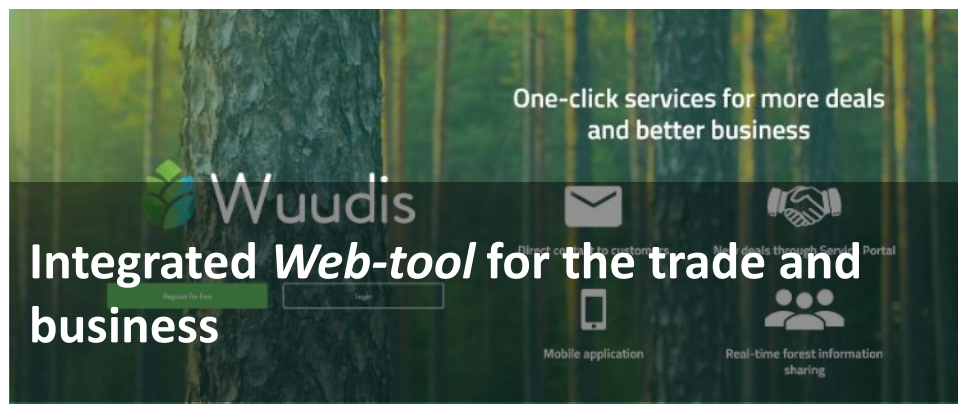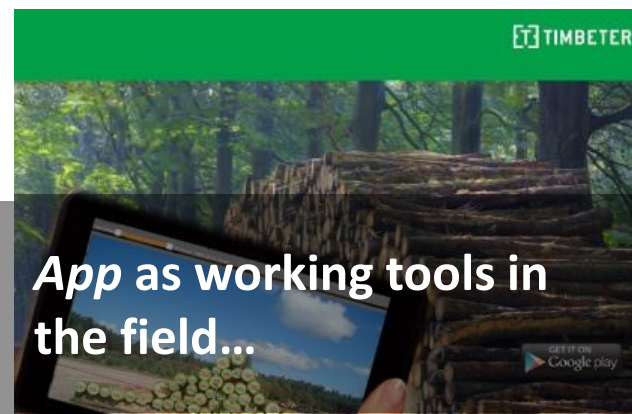**(about the 35% of the total yield)**

High import of wood raw material

Low competiveness
(if compared to the closed Austria or Slovenia)

Wood mobilitation in Italy – from Pettenella, 2018

Could be the "digitalization" one way to boost the modernization of the logging companies?

App for the safety and emergency

Web-tool for the management of logging operations

App as working tools in the field...

Integrated *Web-tool* for the trade and business

Web-tool for marketing as for logging companies review
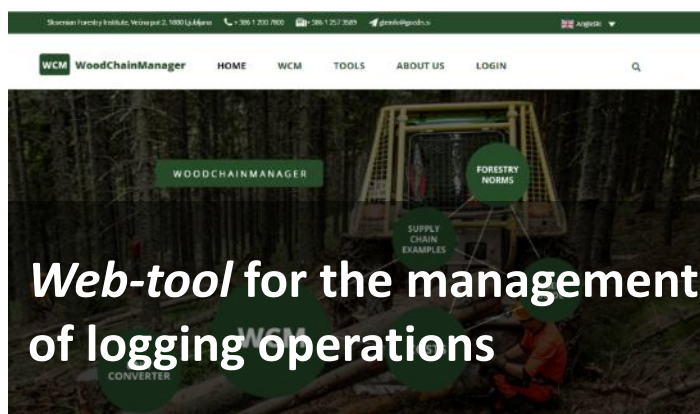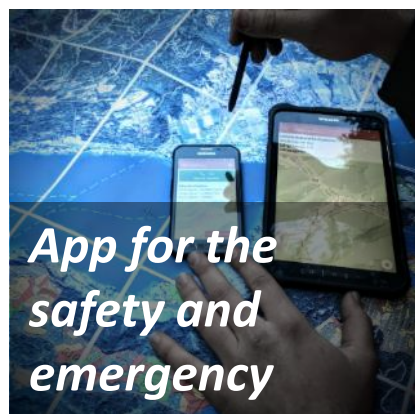
Before to say YES… and HOW, we need to answer to the following three main questions…

1) What is the propensity to use digital tools?

1) Is there an interest on a digital platform for the integration and modernization of the local actors?

2) Are there any other potential partners interested in setting up the Operational Group for the design of the digital platform?

On-line form questionnaire

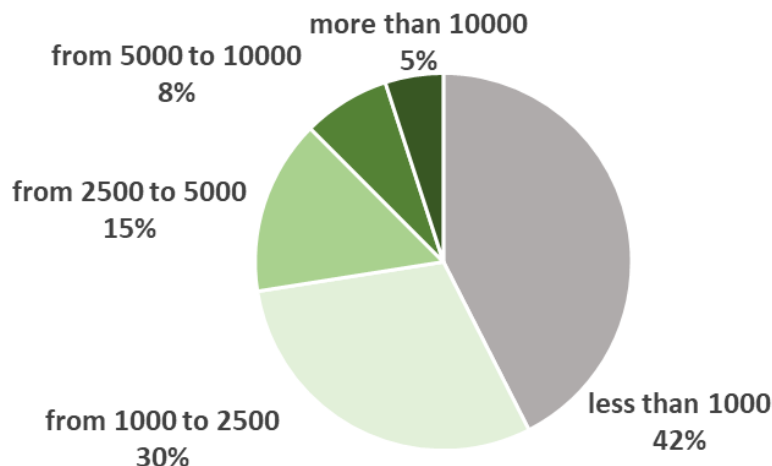# The propensity to use digital tools by the logging companies…

Age of the *owner*: 47.5 years old (average)
N° of employers (operators): 2,8 (average)
N° of employers (administration): 0,5 (average)
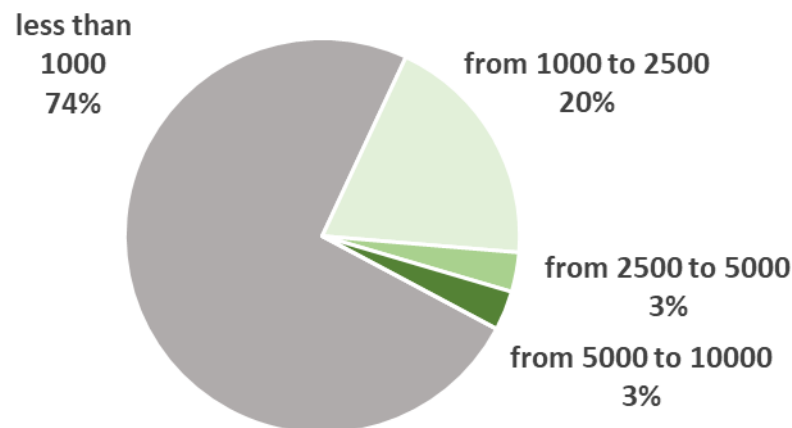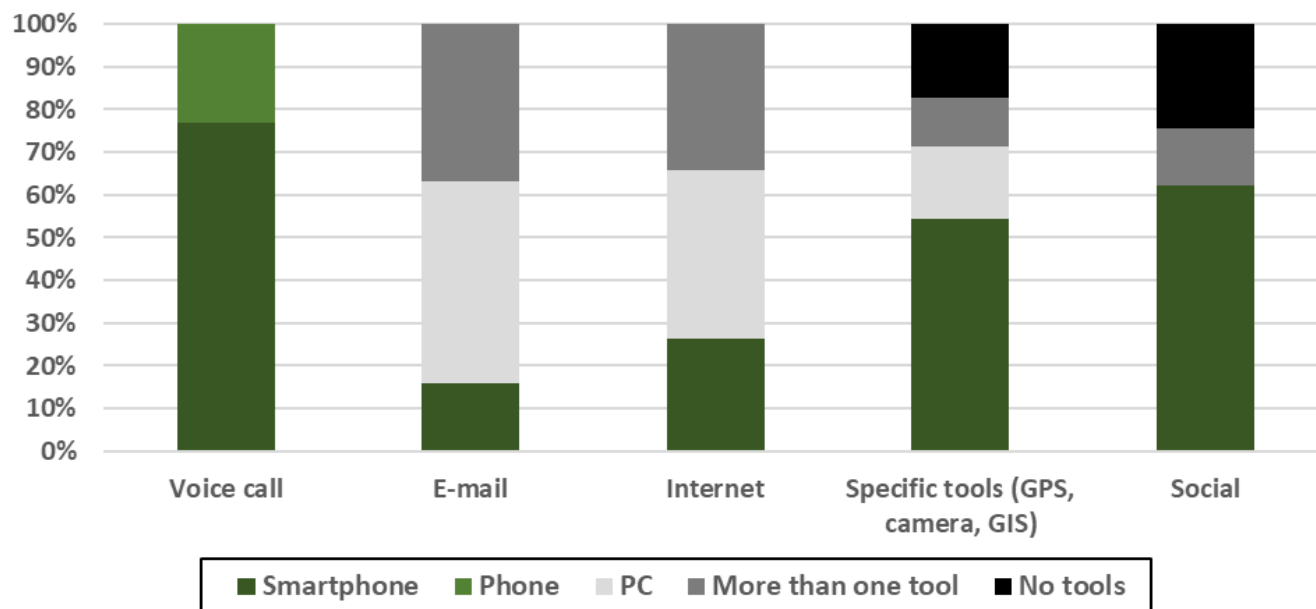
Logging companies distribution in relation to the annual harvested volume (softwood)

Logging companies distribution in relation to the annual harvested volume (firewood)

Inform-prioritize-collaborate: cooperation of regions on innovation in forest management, use of wood and forest-related services (April 26th, 2018 – Brussels)

On-line form questionnaire

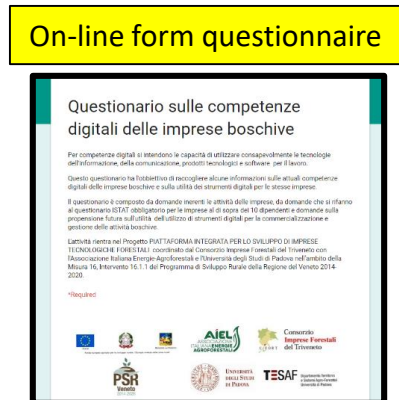# Current *digital tools* used by the logging companies

The 73% of the operators have some basic knowledge on the use of digital tools (about 57% only on smartphone (phone and social), about 30% also on specific apps such as GPS

More that 85% believe in increasing the digital competence of the company

Propensity to an "integrated" digital platform for the regional wood supply chain ….

On-line form questionnaire
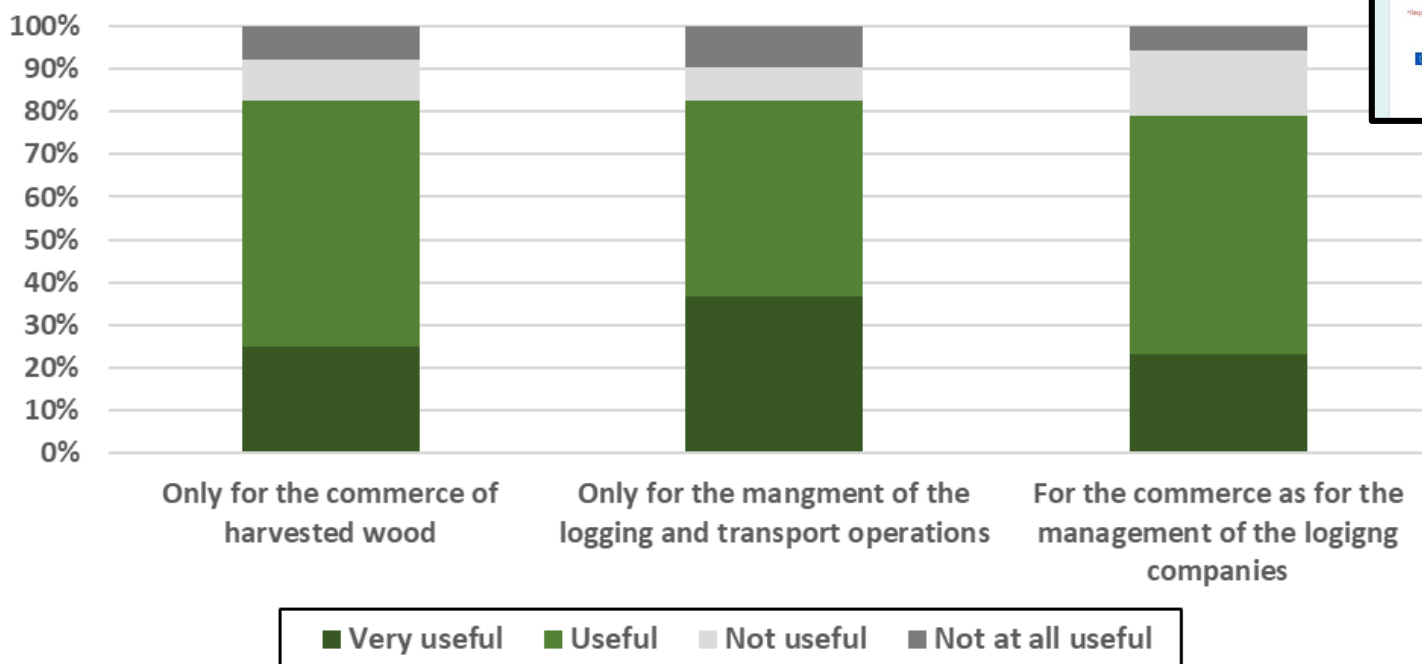
Is there an interest on a digital platform for the integration and modernization of the local actors of the wood supply chain?

Focus groups

Pubblic meetings

Bilateral meetings

Wood artisians

Digital?

Private forest owners

Sawmills

Impianti valorizzazione energetica

Consortuim of private forest owners

Pubblic forest owner

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What could be the expectations from a digital platform for the integration the actors of the wood supply chain... *(results from the Focus Group)*

Increase the coordination and networking between the main actors. This could increase the competiveness of the local companies and add value to the forest owners

More transparent market

Introduction of a *digital* traceability system on the wood origin

Provide effective *digital* tools (safety and emergency *apps*, *apps* for standardized measuring of wood stock piles...) as well as *web-based tools (*decisions and planning decision tools)

Next step… proposal of the Operational Group

Representative of logging companies

Representative of forest biomass and wood fuel companies

Academic partner
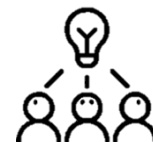
Communication partner

Representatives of wood artisans and sawmills

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What we do expect from the workshop?

- Ideas and comments to bring the Phase 2 of the project (design and realization of the digital platform)

- Expand the network to other Operational Groups to boost interactive innovation

- Partnership for European projects in the frame of the H2020 program linked to the Bio-based Industries Innovation action
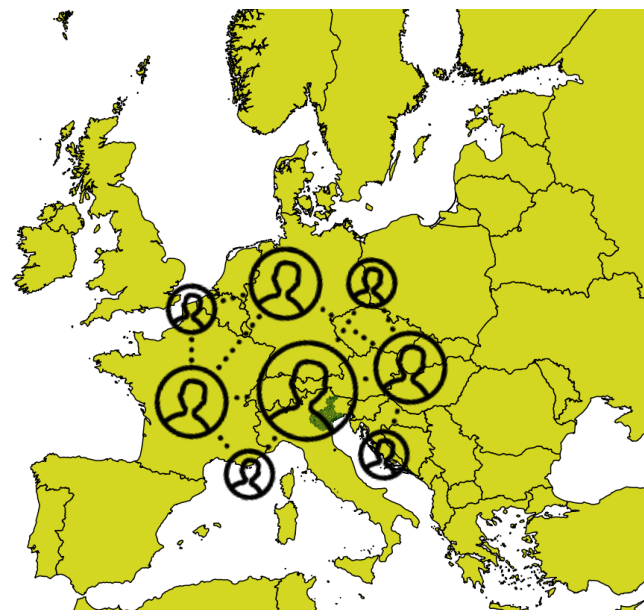
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