



DIGITAL ALPS CONFERENCE

A Living Lab on the impact of digitisation
on traceability in the wood-energy
supply chain

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Digitisation: Economic and Social Impact in Rural Areas is a four-year project (2019-2023) with 25 partners funded by the Horizon 2020 programme.

Objective: to improve the capacity to respond to the challenges of digitisation in rural, agricultural and forestry areas by assessing the socio-economic and environmental impacts of ICT.

The project is organised in **20 Living Labs** aimed at enabling an open and shared assessment of the impacts of digitisation with reference to specific research questions.

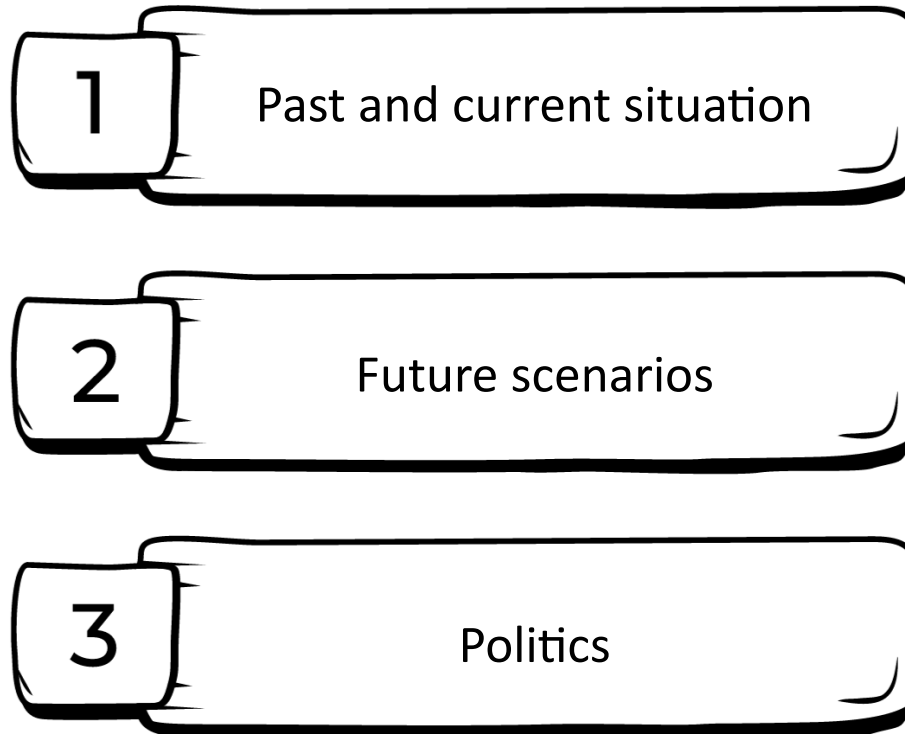


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What is our wood-energy traceability LL

- PEFC Italy coordinator a LL aiming at assess the **impact of digitisation on traceability in the wood-energy supply chain** in Italy, involving 25 organisations, linked to the world of the forest-wood-energy supply chain (2020-2022).



Current situation: the Italian forestry sector

Main problems

- Abandonment of inner areas; low quality management and scarcity of Sustainable Forest Management certification in Italy
- Import of illegally logged wood-for-energy
- Decreasing number of inhabitants in internal areas and population ageing
- Scarce connectivity and broadband coverage

Needs

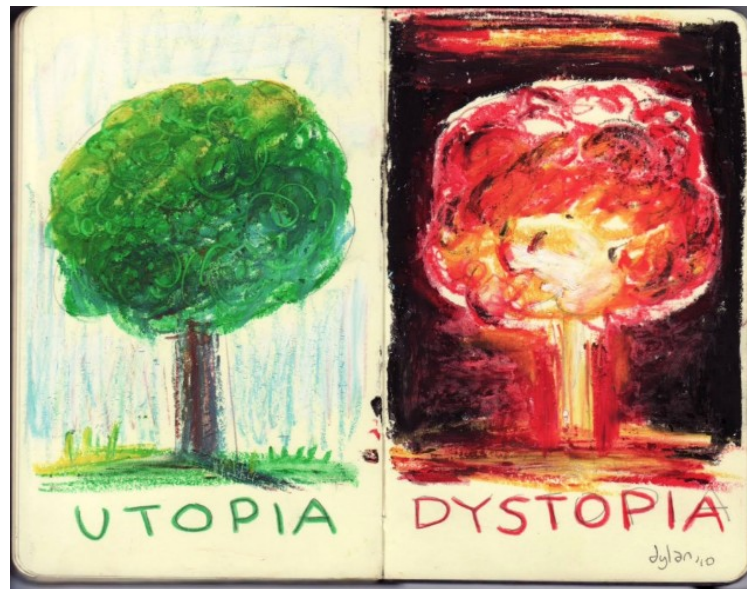
- More transparency in the wood for energy market
- Pushing the demand for legal and sustainable products
- Easy-to-use and more affordable technologies for traceability

Conditions

- The use of digital tools is low (mainly along the first supply chain processing activities) and often limited to email, messaging and word processing software. This situation is worsened by the poor internet connection on mountain areas and among forest operators.

Future situation: our scenario question

How will **digitisation** transform **traceability** in the Italian **forest-wood-energy** sector by **2031**?



Best case”
(utopian):Forests for
Future: a dream called
circular, digitalised and
sustainable wood-
energy supply chains

BnB scenario “Digitalised and
transparent forestry-wood-energy
supply chains: a path towards a
sustainable forest bioeconomy”

WnW scenario
“Digitalisation for
traceability in the forestry-
wood-energy sector: a
postponed chance”

“Worst case”
Escape the
(exploited) forests: a
nightmare paved
with good
intentions”.

Policy audition workshop

- Action point 1: Improve connectivity and access to digital services for people in mountainous areas
- Action point 2: Planning for development through new forms of cooperation
- Action point 3: Supporting job creation and maintaining in mountain areas
- Action point 4: Increase the attractiveness of mountain territories and the recognition of services generated by sustainable land management



- The PEFC Italy Association is the national structure of the international **non-governmental, independent** and **nonprofit** organization.
- **It** aims to promote sustainable forest management through the PEFC certification system.
- Standardisation body (ISO of the forestry sector)
- **It is a third-party** certification
- Forest certification was created to **promote the sustainable and active management of forests and their products**

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