



iBioNet (Intelligent Bioenergy Network) is a spin-off of the University of Florence, established in 2015.

iBioNet supports the local communities through the development of renewable energies and guarantees the environmental and social sustainability.

Furthermore, iBioNet promotes wood-energy supply chains, assists the enterprises and the local communities. iBioNet supports the energy production together with the maintenance strategy into the local framework. iBioNet promotes the biomass energy to reduce the GHG emissions and as drive force for the rural economy and forest management.

iBioNet pays particular attention to the growth of a sustainable economic model, compatible with the economic and ethical development of local companies, thanks to the coherence between the core business of "renewable companies", based on principles of environmental sustainability and efficient use of resources.

iBioNet's services are:

- Planning and design of biomass supply chains, through specific analyses and the development of web applications that allow an assessment of the sustainability of the new energy plants.
- Biofuel Certification Service and emissions analyses aimed at certifying the quality of solid fuels (wood chips). In particular, iBioNet issues quality certification of solid biomass samples, according to the UNI EN ISO standard.
- iBioNet also produces and installs SensorWebEnergy (SWE) and Air Quality (AIRQ) remote monitoring systems and able to determine: the first the quantity

and quality of biomass supplied to the plants; the energy eventually produced; the overall performance of the plant, weighed against climatic and electricity consumption data; whereas the second, weather data and emission value data of CO₂; CO; NO₂; VOC; PM10; PM2.5 . SWE and AIRQ data are sent in real time to the web platform (www.ibionet.eu) to be processed and made immediately available to the users.

DETALJI

PODRIJETLO DRVA

Šuma

VRSTA DRVA

Deblo

POTENCIJAL ZA POVEĆANJE UPORABE DRVA

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POTENCIJAL ODRŽIVOSTI - VRIJEDNOST

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ODGOVARAJUĆA VRSTA DRVA

Stemwood, woodchips and micro woodchips

JEDNOSTAVNOST PROVEDBE

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UTJECAJ NA OKOLIŠ I BIORAZNOLIKOST

low environmental impact and increasing forest biodiversity

JEDNOSTAVNOST PROVEDBE - EVALUACIJA

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UČINAK NA PRIHOD

possibility increase income to local emprises with sale of certifical biomass

KLJUČNI PREDUVJETI

Forest management and planning, forest communities, wood-energy supply chains, biofuel certification service, biomass plant emissions analyses (efficiency monitoring biomass plant)

POTENCIJAL ISKORISTIVOSTI

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VRSTA DOGAđAJA NA KOJEM JE PRIKAZAN OVAJ BPI

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SREDIŠTE

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UČINAK NA ZAPOŠLJIVOST

possibility of new jobs in the wood supply chains

GOSPODARSKI UČINAK

creation of local wood-energy chains

TROŠKOVI PROVEDBE (EURO - €)

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POTREBNA POSEBNA ZNANJA

good practices for sustainable forest management, good knowledge of wood supply chain, wood fuel market trend, knowledge ISO 17225 norm

VIŠE DETALJA

IZAZOV	DOMENA	VRSTA RJEŠENJA
--	Upravljanje šumama, uzgoj šuma, usluge ekosustava, otpornost Drvna energetska industrija Upravljanje inovacijama, digitalni centri, klasteri, eksplotacija (transverzalno)	--
KLJUČNE RIJEČI	DIGITALNO RJEŠENJE	INOVACIJA
--	Ne	Da
ZEMLJA PODRIJETLA	PODRUČJE PRIMJENE	POČETAK I KRAJ GODINE
Italija	Nacionalna	--
KONTAKT PODATCI		

VLASNIK ILI AUTOR**IZVJESTITELJ**

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REFERENCES AND RESOURCES

GLAVNA WEB STRANICA

<http://www.ibionet.eu>

WEB STRANICA PROJEKTA

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REFERENCA PROJEKTA

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IZVORI

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PROJEKT U OKVIRU KOJEG JE INFORMATIVNI LIST KREIRAN

Rosewood

DATUM UNOSA

1 lis 2019



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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY

