



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.

DETALJER

VEDENS URSPRUNG

Skog

TRÄTYP

Rundvirke

MOBILISERINGSPOENTIAL

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TYP AV TRÄ

Stemwood, woodchips and micro woodchips

ENKEL IMPLEMENTERING

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PÅVERKAN PÅ MILJÖ & BIOLOGISK MÅNGFALD

low environmental impact and increasing forest biodiversity

ENKEL IMPLEMENTERING - UTVÄRDERING

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EKONOMISK EFFEKT

possibility increase income to local enterprises with sale of certifical biomass

NYCKEL FÖRUTSÄTTNINGAR

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

KOMMERSIELL POTENTIAL

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TYP AV EVENEMANG DÄR DENNA BPI HAR PRESENTERATS

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NAV

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EFFEKT ANTAL ANSTÄLLDA

possibility of new jobs in the wood supply chains

EKONOMISK PÅVERKAN

creation of local wood-energy chains

KOSTNADER FÖR IMPLEMENTERING (EURO - €)

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SPECIFIKA KUNSKAPSBEHOV

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

MER
INFORMATION

UTMANING SOM ADRESSERAS

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Skogsförvaltning, skogskjötsel, ekosystemtjänster
Industri för skogsbaserad bioenergi
Innovations ledning, digitala hubbar, kluster

DOMÄN

TYPE AV LÖSNING

NYCKELORD

--
Nej

DIGITAL LÖSNING

INNOVATION

UPPHOVSLAND

Italien
Nationell

Ja

START OCH SLUTÅR

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KONTAKT
INFORMASION

ÄGARE ELLER FÖRFATTARE

RAPPORTÖR

info@ibionet.eu

REFERENCES
AND RESOURCES

HEMSIDA (HUVUDSIDA)

<http://www.ibionet.eu>

PROJEKTETS HEMSIDA

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PROJEKTREFERENS

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RESURSER

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PROJEKT SOM DETTA FACTSHEET SKAPATS INOM
Rosewood

DATUM FÖR INLÄGG
1 okt 2019



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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY



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