# Intelligent Bioenergy Network s.r.l. – iBioNet s.r.l.

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 togheter 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

### TYP AV TRä

Stemwood, woodchips and micro woodchips

### PåVERKAN På MILJö & BIOLOGISK MåNGFALD

low environmental impact and increasing forest biodiversity

### EKONOMISK EFFEKT

possibility increase income to local emprises with sale of certifical biomass

### KOMMERSIELL POTENTIAL

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### NAV

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### EKONOMISK PåVERKAN

creation of local wood-energy chains

### SPECIFIKA KUNSKAPSBEHOV

### MOBILISERINGSPOTENTIAL

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### HåLLBARHETS POTENTIAL - VäRDE

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### ENKEL IMPLEMENTERING

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### ENKEL IMPLEMENTERING - UTVäRDERING

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### NYCKEL FöRUTSäTTNINGAR

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

### TYP AV EVENEMANG DäR DENNA BPI HAR PRESENTERATS

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### EFFEKT ANTAL ANSTäLLDA

possibility of new jobs in the wood supply chains

### KOSTNADER FöR IMPLEMENTERING (EURO - €)

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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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DOMäN

Skogsförvaltning, skogskjötsel, ekosystemtjänster

Industri för skogsbaserad bioenergi

Innovasions ledning, digitala hubbar, kluster

TYPE AV LöSNING

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NYCKELORD

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DIGITAL LöSNING

Nej

INNOVASION

Ja

UPPHOVSLAND

Italien

POTENTIAL

Nationell

START OCH SLUTåR

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## KONTAKT INFORMASION

ÄGARE ELLER FöRFATTARE

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RAPPORTöR

## 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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