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.

PODROBNOSTI

PôVOD DREVA

Les

DRUH DREVA

Kmeňové drevo

UVAžOVANý DRUH DREVA

Stemwood, woodchips and micro woodchips

VPLYV NA žIVOTNé PROSTREDIE A BIODIVERZITU

low environmental impact and increasing forest biodiversity

DOPAD NA PRíJMY

possibility increase income to local emprises with sale of certifical biomass

POTENCIáL VYUžITIA

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ROZBOčOVAč

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EKONOMICKý VPLYV

creation of local wood-energy chains

POTREBA šPECIFICKýCH ZNALOSTí

MOBILZAčNý POTENCIáL

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POTENCIáL UDRžATEľNOSTI - HODNOTA

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UľAHčENIE IMPLMENTáCIE

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UľAHčENIE IMPLMENTáCIE - HODNOTENIE

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KľúčOVé PREPOKLADY

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

TYP PODUJATIA, NA KTOROM BOL TENTO BPI PREZENTOVANý

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DOPAD NA ZAMESTNANOSť

possibility of new jobs in the wood supply chains

NáKLADY NA IMPLEMENTáCIU (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

VIAC INFORMáCIí

RIEšENá VýZVA

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DOMAIN

Lesné hospodárstvo/hospodárska úprava lesa, pestovanie lesa, ekosystémové služby, odolnosť

Výrobcovia energie z dreva

Správa inovácií, digitálne uzly, klastre, využívanie (priebežné)

TYP RIEšENIA

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KľúčOVé SLOVá

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DIGITALNE RIEšENIE

Nie

INOVáCIE

Áno

KRAJINA PôVODU

Taliansko

ROZSAH APLIKáCIE

Národný

ZAČIATOK A KONIEC ROKA

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KONTAKTNé úDAJE

VLASTNíK ALEBO AUTOR

REPORTéR

info@ibionet.eu

REFERENCES AND RESOURCES

HLAVNá WEBSTRáNKA

http://www.ibionet.eu

ZDROJE

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PROJEKTOVá WEBSTRáNKA

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REFERENCIA PROJEKTU

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PROJEKT, V RáMCI KTORéHO BOL TENTO INFORMAčNý PREHľAD VYTVORENý

Rosewood

DáTUM ODOSLANIA

1 okt 2019

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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY