

# 4<sup>th</sup> Danube Financing Dialogue



REPUBLIKA HRVATSKA  
Ministarstvo regionalnoga razvoja  
i fondova Europske unije



CROATIAN NATIONAL BANK

It was established in 2012 as a National Pole of Competitiveness on Green Economy, involving the most relevant innovative companies, research organizations, universities and local authorities. It was registered in 2013 as the Association MEDGreen. At present, it is developing innovative solutions embodied in competitive products and services.

## Greenbow

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### Company/Institution RO

Association "Cluster MEDGreen for the promotion of ecotechnologies and alternative sources of energy"

### Project description

With an estimated biomass potential of 230 mil. t., but the EU pellet market is heterogeneous at several levels. Although the number of pellet plants increased rapidly within the last few years, the use of wood pellets (especially for private heating) is still very limited. In some countries, 80% of the production is exported. To sustain competitiveness, all manufacturers have to be certified, and this requires predictability of raw materials. So, the manufacturing of wood pellets in Europe put a new pressure on the forest exploitations. Some are of the opinion that the pellets available on the market are not renewable fuels.

### Project goal

It uses modularized, IT-enabled equipment dedicated to reducing energy consumption and the carbon footprint by exploiting the biomass residues, after processing and pelleting, in small- and medium-scale incineration installations that could produce heat, electricity and cold as per local needs.

### Beneficiaries and target groups

- Citizens located in areas of the urban agglomerations or rural communities
- SME farms
- Asylums
- SPAs and recovery hospitals
- Owners of touristic sites in protected areas and similar applications

### Constraints and risk appraisal

- Local policies, procedures and taxation that could threaten the market penetration
- Mentality of end users having to have minimal involvement in the operation of energy supply systems
- Regulatory constraints for processing and incineration of wood residue

### Type of financial product searching for

- Grant

### Sectors

- Transport, Infrastructure and Energy
- Innovative technologies, agriculture and rural areas

### Countries engaged in the project

- Austria
- Bulgaria
- Germany
- Hungary
- Moldova
- Romania
- Serbia
- Slovakia
- Ukraine

### Budget planning in EUR

Cost breakdown (Senior Expert, equipment, ...)	Year 1 (in EUR)	Year 2 (in EUR)	Year 3 (in EUR)
Research and technology development	€2.000.000	€500.000	€500.000
Three localized loops in Romania	€3.000.000		
Loops in UA,MD,BG,RS,HU,SK,AT,DE		€8.000.000	
Franchising business models			€6.000.000
<b>Total</b>	<b>€5.000.000</b>	<b>€8.500.000</b>	<b>€6.500.000</b>