

# Policies for Anaerobic Digestion in Europe

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**GMI Agriculture Subcommittee Meeting  
Florianopolis, Brazil, 13 March 2014**

# European Biogas Association

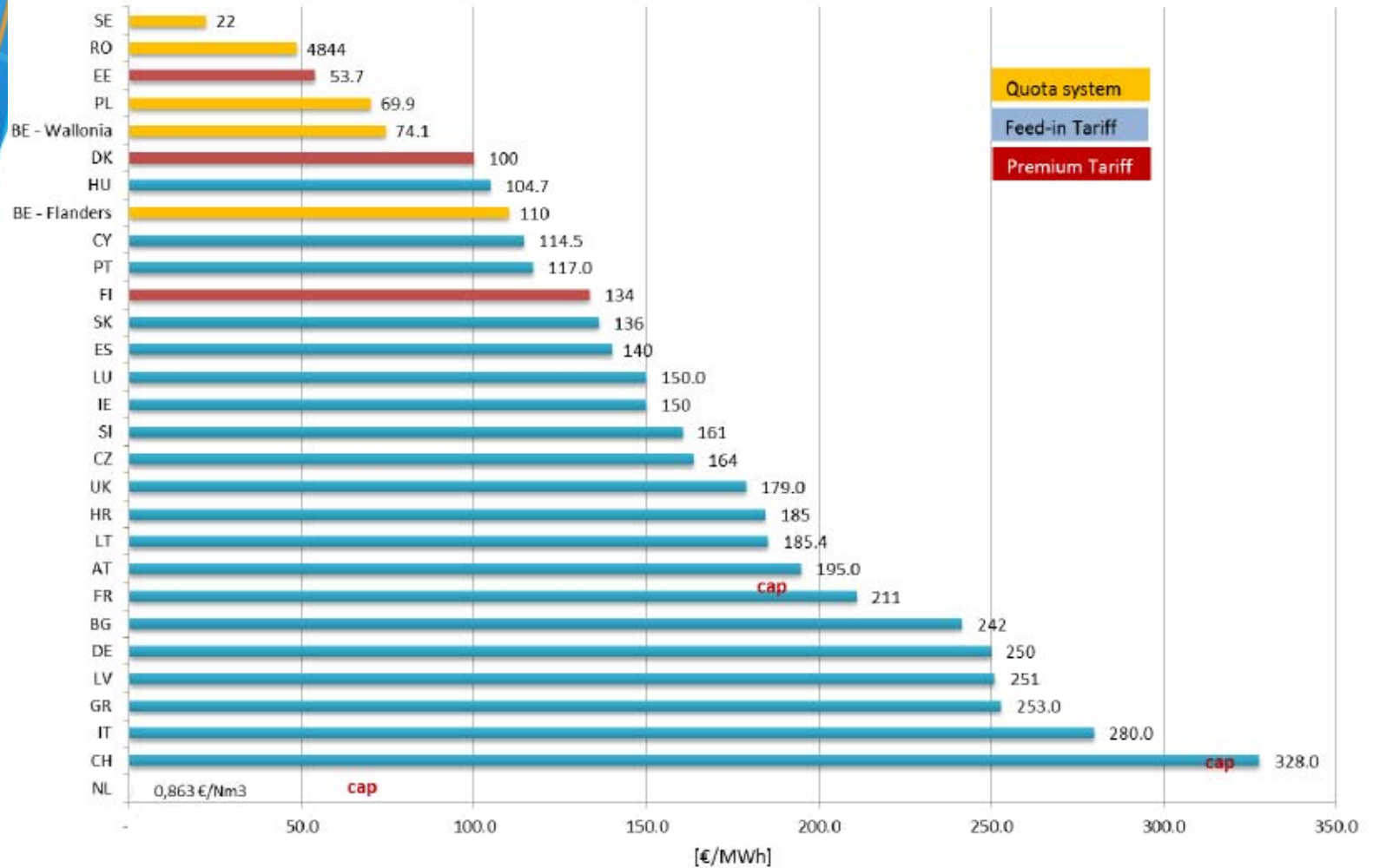
66 Members - 32 National Organisations – 34 companies



Jan Stambasky – President of European Biogas Association  
[stambasky@european-biogas.eu](mailto:stambasky@european-biogas.eu), [www.european-biogas.eu](http://www.european-biogas.eu)



# Support for Biogas (highest possible in 2012)

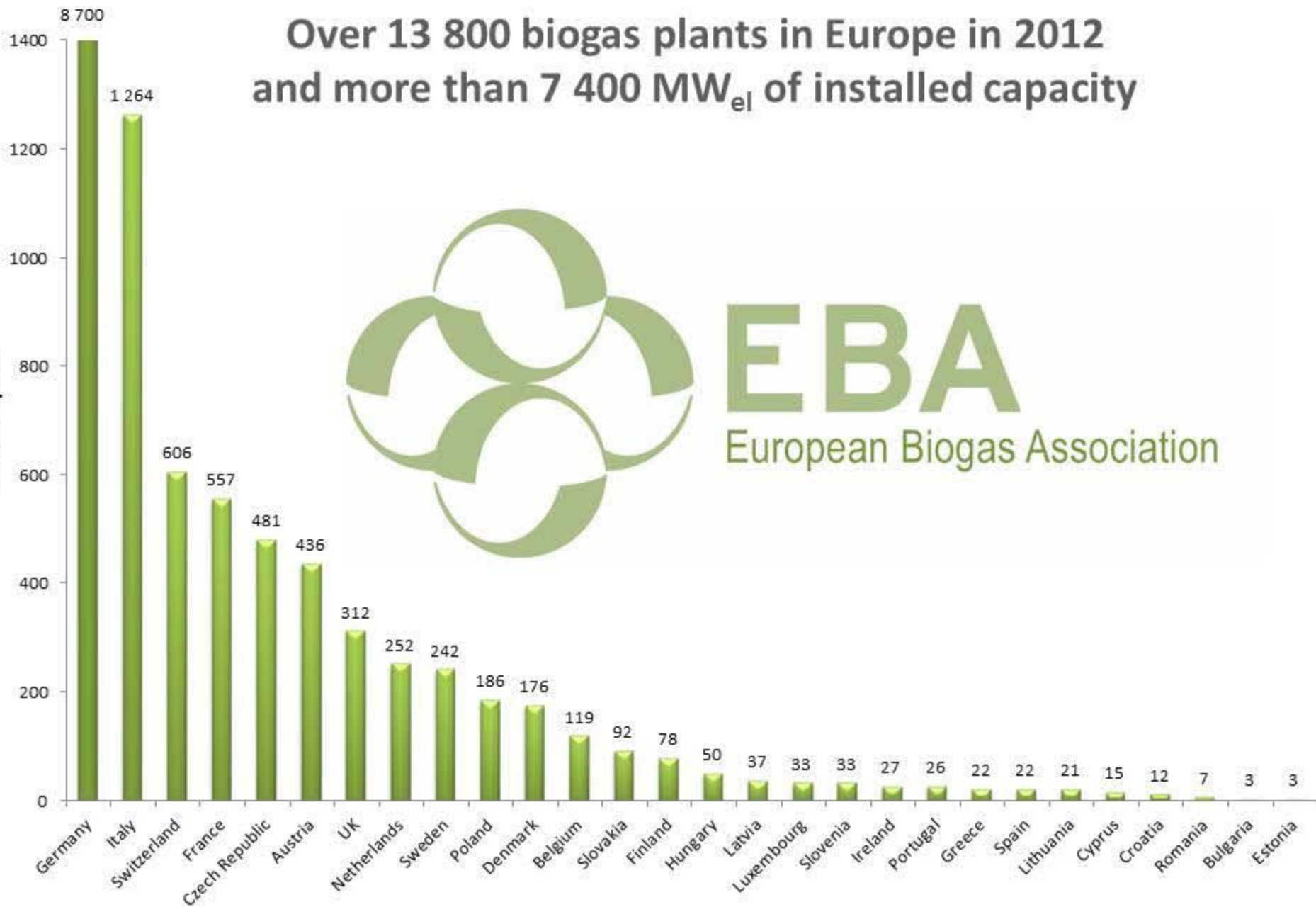


# Over 13 800 biogas plants in Europe in 2012 and more than 7 400 MW<sub>el</sub> of installed capacity



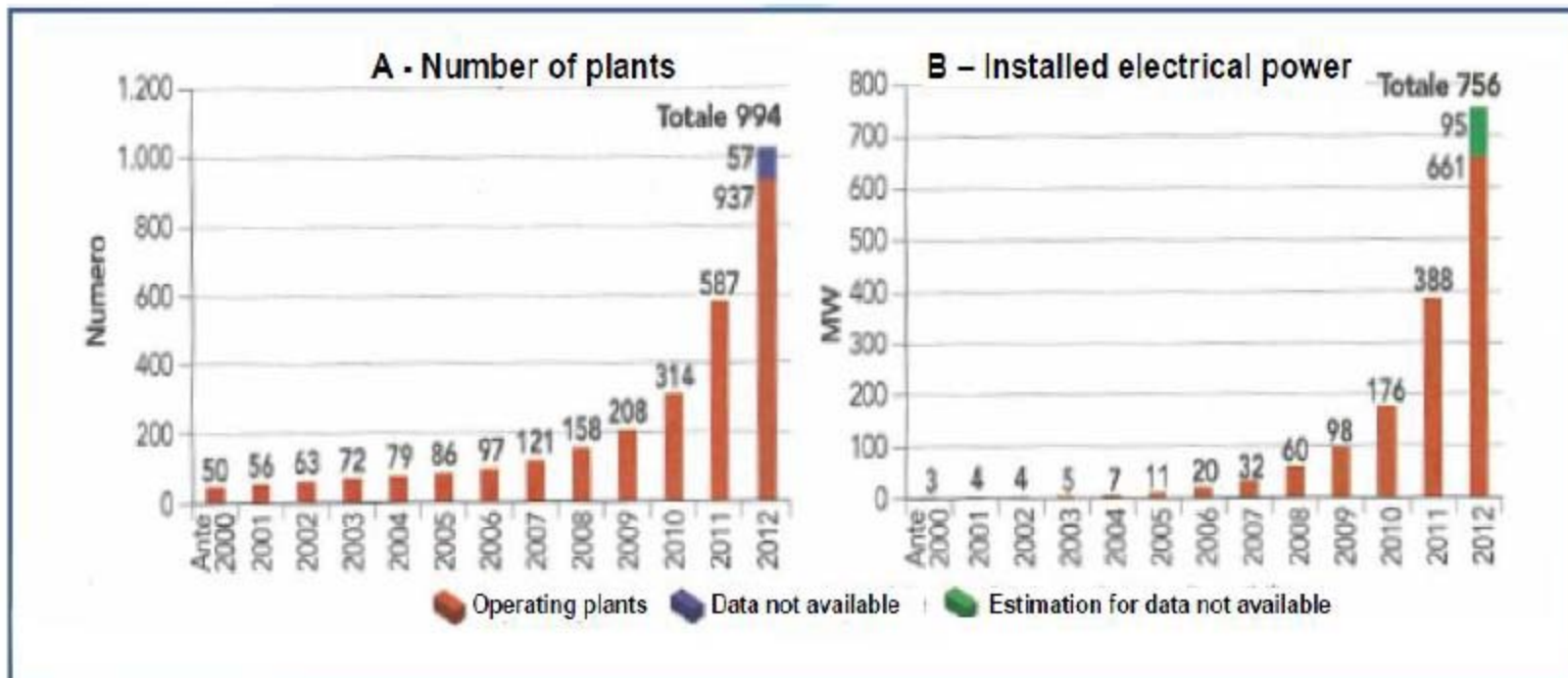
**EBA**  
European Biogas Association

Number of plants



# Italy – Current Biogas Boom

The most progressive region in agro-based biogas





# Italy – Level of Incentives

Renewable source	Type	Power	WORKING LIFE of PLANTS	Basic incentive tariff €/Mwh
Biogas	a) products of biological origin	$1 < P \leq 300$	20	180
		$300 < P \leq 600$	20	160
		$600 < P \leq 1000$	20	140
		$1000 < P \leq 5000$	20	104
		$P > 5000$	20	91
	b) by-products of biological origin referred to in table 1-A, and non-source separated waste other than that referred to under c	$1 < P \leq 300$	20	236
		$300 < P \leq 600$	20	206
		$600 < P \leq 1000$	20	178
		$1000 < P \leq 5000$	20	125
		$P > 5000$	20	101
	c) waste for which the biodegradable part is determined as a fixed amount as set out in Annexe 2	$1 < P \leq 1000$	20	216
		$1000 < P \leq 5000$	20	109
		$P > 5000$	20	85

# Italy – additional Incentives

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- ❑ Additional incentive for greenhouse gas reduction in the case of supply-chain biomass-fuelled plants, but only for plants between 1-5 MW (limited use in agro sector)
- ❑ Additional incentives of 30 Euro/MWh for compliance with the air emission regulations
- ❑ Subsidies for high-efficiency cogeneration (up to 40Euro/MWh)
- ❑ Incentives for district heating (steam and hot watter)

# European CAP Reform and Biogas

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- ❑ Agriculture and forestry are key providers of biomass
- ❑ Enable sustainable utilization of biomass, bioenergy & **biogas** for rural economies, by:
  - Invest in modernization and restructuring
  - Increase efficiency of production factors
  - Diversify farms towards non-agricultural activities
  - Increase directly **farming households' income**
  - Improve or set up infrastructures
  - Start up new businesses and **create new jobs**
  - Environmental protection & **climate mitigation**
  - Co-operation, producer groups, training, knowledge transfer ...



# CAP Reform –Some Trends...

- ❑ "Will provisions to encourage biomethane production be included in the new common agricultural policy?", EP Q&A

*... the Rural Development Policy of the common agricultural policy (CAP) would continue to offer financial support to investments facilitating the supply and use of renewable sources of energy, subject to ... (Commissioner Mr Ciolos)*

- ❑ **EP: Positive vote in COMAGRI's opinion on renewable energy: (March 2013, 28+ to 4-)**

*... agriculture and rural areas have the potential to provide a significant proportion of renewable energy production ... recalls the **potential for developing livestock farm biogas systems based on biowaste***

# Support to Bioenergy Under CAP

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Reg. COM(2011) 627 on support for rural development by the European Agricultural Fund for Rural Development (EAFRD)

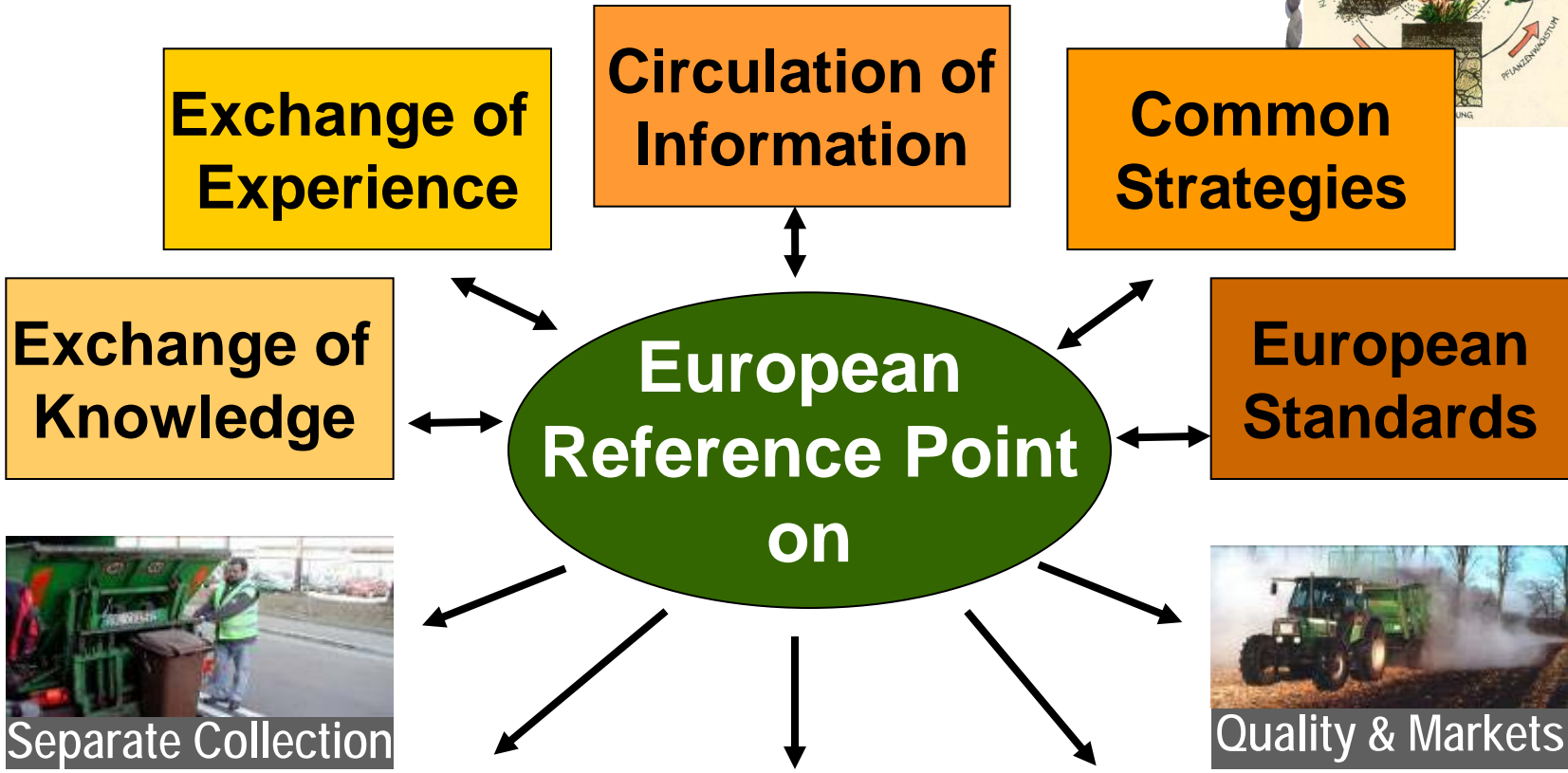
## **Measures at the disposal of MS authorities**

- Article 18: Investments in physical assets
- Article 20: Farm and business development
- Article 21: Basic services and village renewal in rural areas
- Article 28: Setting up of producer groups
- Article 29: Agri-environmental climate measures
- Article 36: Co-operation measure

# Continued Support for...

- ❑ Processing and marketing of agricultural products into non-agricultural products (e.g. **electricity, gas...**) is allowed
- ❑ Investments in processing and marketing of **agricultural biomass for renewable energy** by actors other than agricultural holdings
- ❑ Diversification of activities, e.g. **renewable energy**  
e.g. invest into **renewable energy** plants to produce energy either for (self-)consumption on farm and/or to sell it to the grid
- ❑ Boost investments in green technologies such as manure management, waste treatment and storage
- ❑ Support to renewable energy infrastructure at village level  
e.g. larger scale **CHP plants or waste treatment plants**

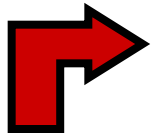
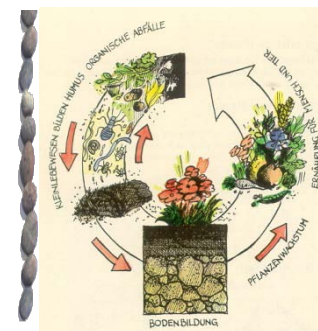
# European Compost Network ECN



Ministry of environment and water of Bulgaria  
EUROPEAN COMPOST NETWORK



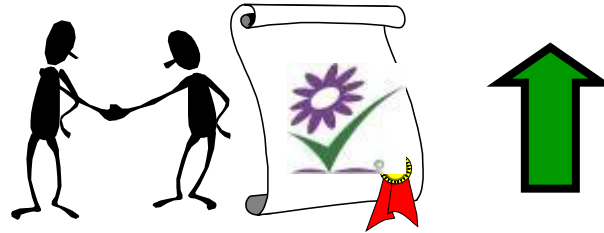
# Course of the QAS



**Composting Plant**  
**Member of National Organisation**

**Contract**

**Evaluation Report**  
sanctions,  
complaints, measures  
**Not okay**



**Quality Committee QC**



**Quality Label Certificate**

**Acknowledged Laboratory**  
**sampling & quality analysis**



**Report**

**National Organisation NQAS**  
**Analyses assessment and plant inspection**



**Test report**

**Inspection: ECN: every 2 years**  
**AT: 1x / year**

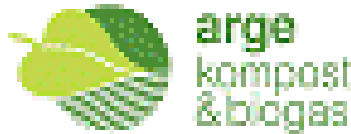
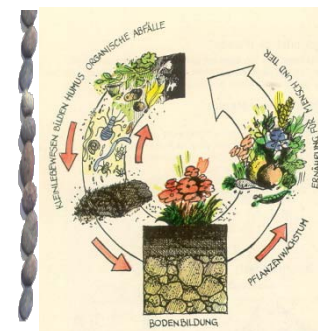


**Ministry of environment and water of Bulgaria**  
**EUROPEAN COMPOST NETWORK**





# Quality Assurance, Certificates and Labels for Compost and Digestion Residues



**QAS Monitoring in EU:  
800 plants with capacity of  
11 million tons composting  
and  
2.5 million tons digestion**



Ministry of environment and water  
EUROPEAN COMPOST NETWORK





# 9th International Scientific Conference ORBIT 2014.com

„New challenges, new responses in the  
21st Century”

in Gödöllő, Hungary, 26-28, June, 2014.



# THANK YOU FOR ATTENTION!



**MINISTRY OF ENVIRONMENT AND WATER OF BULGARIA,**  
**Grigor Stoyanov – State expert in “Waste management and soil protection**  
**directorate“, тел:+359887648473; e-mail: [ecogor@gmail.com](mailto:ecogor@gmail.com)**

