

Selective Collection
Of The Organic Waste In Tourist Areas







&

Main results and objectives achieved

Gemma Nohales BCNecologia





SCOW



















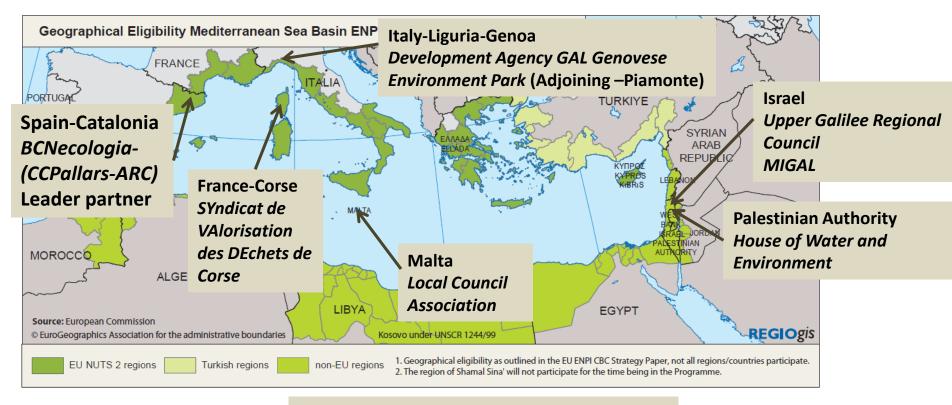
SCOW- Selective collection of organic waste in tourist areas and valorisation in small-scale composting plants

- ENPI CBC MED PROGRAMME
- •I-A/2.2/231 SCOW
- Type of project: Strategic project –first call.
 Topic: waste
- •Financing: total budget of 4,97 million; 4,47 million Euro (90%) financed by the EU. 50% of the budget used by Partner Countries (non EU).
- Duration: January 2013-December 2015 (3 years).





Partnership



- 8 partner from 6 different countries.
- **6 EU Mediterranean Countries and**
- 2 Mediterranean Partner Countries.



Main objectives

SCOW PROJECT

- •ACTING AT THE FIRST STAGES OF THE MANAGEMENT CHAIN
- **•CLOSING THE CYCLE OF BIOWASTE**
- •LOW COST-LOW TECH-HIGH QUALITY MANAGEMENT MODELS
- •DEPLOYING ACTIONS IN TOURISTIC AREAS WITH AGRICULTURAL ACTIVITY

Biowaste management as a problem in Med Area, UE and other countries highlight it as a priority

Main actions

- •HIGH QUALITY BIOWASTE SEPARATED AT SOURCE
- •EFFECTIVE AND PERSONALISED COLLECTION SYSTEMS
- •DESCENTRALISED SMALL-SCALE COMPOSTING FACILITIES
- •APPLICATION TO SOIL OF QUALITY COMPOST
- AWARENESS, TRAINING AND NOW-HOW TRANSFER



SCOW in 6 steps

2.Selection of the location(s)/model design 3. Engagement of stakeholders (local events, campaigns)





4. Composting plants building

1. Study of the territory 5. Biowaste collection ntroduction



6. Model operation and **Monitoring**



Meeting with Spanish Authorities

Collection systems:

- Singular/large producers
- Singular/largeproducers+ households
- •Ensure <5 impurities
- Promotion of Door-to-Door systems+ compostable bag

Biowaste management models implemented

Treatment systems:

14 small-scale composting facilities:

•Open: turning piles/heaps or static vented silos

•Close: Electromechanical composters of different tech.+ complemented with modular composters

Different plant types and tons/year:

- •Budget (200.000€ EU Part.;
- 7-600.000€ Non-EU)
- Availability of other funding sources out of the project
- •Conditions and constrains of the zone (laws, geography, producers dispersion, etc.)











Meeting with Spanish Authorities

PP biowaste management models

Country	Collection system	Treatment system	Expected quantity of biowaste treated (bulking mat. excluded) (t/y)	Annual quantity of compost expected (t/y)
Spain - Catalonia	Door to door	1 aerated static silos plant	750	112
Italy - Liguria	Door to door / direct delivery	3 electro-mechanical composters + 183 community composters + 150 modules for agroturism centers	375	75
Malta	Door to door	1 electro-mechanical composter	120	30
Palestine - West Bank	Door to door + containers	2 open turned windrows plants	750 + 1000 and 90 + 700 other sources	1000 + 400
Israel - Upper Galilee	Door to door + containers	6 electro-mechanical composters own model	1200	600
France - Corsica	Door to door / direct delivery	1 electro-mechanical composters + 600 composting modules for economic activities	245	75





Project Indicators

Reaching the objectives initially set



Number of model implemented

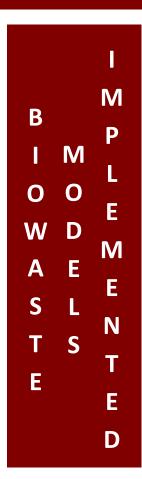
14 (14 for 2016)



Quality of the biowaste

<10% of impurities

Meeting with Spanish Authorities





Tons of Biowaste collected/treated

1,300(8,185 in 2016)



Tons of Compost produced

69 (2,292 in 2016)

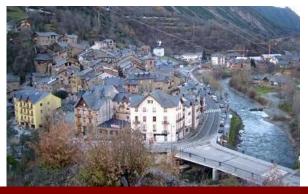








Meeting with Spanish Authorities



Municipalities

50



Citizens

17,719





Large/singular producers

601



Farmers

61



Meeting with Spanish Authorities



Training sessions

94



Communication activities

82





Trained mentors

53



People informed

29,269



Meeting with Spanish Authorities

OTHER INDICATORS



Number of agreements

90



Stakeholders involved

18,369



Jobs generated

29



Meeting with Spanish Authorities

Project Capitalisation

- First time to manage biowaste in some areas, this is a important advance. This project will be seen as an example for the reproduction of biowaste management model in other areas.
- This project has influenced in <u>fostering the starting of biowaste</u> management and compost regulations in partners countries. Governments have taken into consideration the results of the project.



Meeting with Spanish Authorities

Project Sustainability

- Very good reception of the project by authorities and final beneficiaries/High and wide impact.
- Without this funding and tech assistance, advances in waste management would have taken more time to be developed in the areas (specially for non-EU partners).
- The <u>agreements</u> with the local or regional authorities as well as with the biowaste producers will <u>ensure the sustainability</u> of the project.
- The <u>new biowaste management policies that are appearing in</u> <u>partners countries</u> will also reinforce the sustainability of the project.



Meeting with Spanish Authorities

Weak points

- Calendar constrains:
 - Reception of the 2nd pre-financing (March 2015) to be able to start with investments (facilities and equipment).
 - Time required to launch and award the tenders, time for construction or acquiring/delivery the equipment.
 - A lot of time devoted to administrative procedures (budget changes, interim report, contingency, etc.), bottlenecks when overlapping two procedures.
- Relationship with final beneficiaries-local authorities: slow rhythms of Local entities for decision making and implementing actions (like biowaste collection).



Meeting with Spanish Authorities



Project Outputs

Spreading the SCOW model and fostering its reproduction



Best practices Database

It includes 14 records with detailed technical and economical information about collection and specially treatment systems using different decentralized composting models with good results and functioning.

http://www.biowastescow.eu/Best-Practice-Database

Meeting with Spanish Authorities

I has a limited life, but a ting plant can continue to process definitely.



Download (308.2 Kb)

Home » Results & Resources » Best Practice Database » List of database

List of database

Berriz (Vizcaya, Pais Vasco, Spain)	Initial experience of a composting mini-facility to treat the household biowaste. Collected biowaste is transported in an electric truck to the composting site, placed in a public park with gardens and sport fi elds. The composters are modular to be able to increase the treatment capacity gradually.		Download (985.8 Kb)
	Berriz - technical datasheet	A	Download (1.4 Mb)
Ballinasloe compost facility	Poliboy landfill, county Galway, Ireland	A	Download (190.3 Kb)
Pollboy Landfi II (County Galway, Ireland)	The facility was built to comply with the EU and Irish directives to divert organic waste from landfi lling. The approach for Ballinasloe involves targeting all organics from households with a source separated collection and composting system.		Download (1.1 Mb)
Boadella i les Escaules (Girona, Catalonia, Spain)	Composting facility in a tourist town in the Pyrenees. Collection and transport of urban waste was very expensive because of the long routes by mountain roads. This small facility allows to treat the biowaste generated in households and tourist establishments in town. The garbage truck only has to collect and transport the non-organic fractions.		Download (1.1 Mb)

Boadella - technical datasheet



Training protocols, communication materials and infopacks

http://www.biowastescow.eu/Quantified-outputs-WP2

http://www.biowastescow.eu/Project-Reports

Meeting with Spanish Authorities

WP2 - SCOW Communication Plan - Quantified outputs

30 November, 2014

Related Documents:

Communication Plan SCOW, Communication materials for the SCOW project campaign

- SCOW Communication Plan
- Communication materials for the SCOW project campaign
- The SCOW campaign materials are available for you
- Communication plan
- Launching Conference (Barcelona month 6)
- Newsletters (every six months)(6)
- Local awareness event (1 per plant, except PP4 that will unify some of these events)(8)
- Final project Local Events & press conferences (1 per plant, except PP4 that will unify some of these events)(8)
- Final Project Conference at Mediterranean level (Palestine, month 36)
- Final Conference publication
- SCOW campiagn- edition of 3 typologies of stakeholders infopacks (bin stickers, information posters and leaflets, etc, according to the target: citizens, hotels & catering industry, and other business producers of organic waste)articles in relevant specialized journals or magazines related to low-tech organic waste treatment (3)
- Press releases (PPs building composting plans will issue a press release at the beginning and at the end of the project)(12)





Handbook for small scale composting facility management

Easy-to-use handbook addressed to staff in charge of the composting plants, aimed at providing with information, indications and recommendations to operate in a proper way small scale composting facilities as well as to facilitate the management of any incidence.

http://www.biowastescow.eu/Handbook-offacility-management

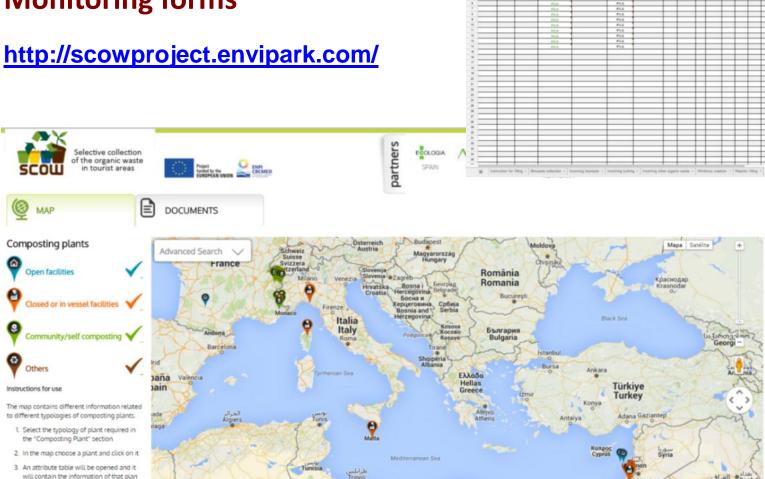
Meeting with Spanish Authorities





Meeting with Spanish Authorities

Webgis Monitoring forms



22



Manifesto for proper food waste management in the **Mediterranean Basin/ Policy recommendations**

The document outlines the best strategies, measures and activities to develop an efficient and proper management of food waste in the Mediterranean Basin.

You are kindly invited to join the Manifesto initiative via:

http://www.biowastescow.eu/Manifesto-for-food-wastemanagment

Meeting with Spanish Authorities



The provided personal data will have the proper

Signatories to the manifesto agree on the following key points istatements and commit to

treatment by BCNecologia according to Llei

Orgànica 15/1999, de Protecció de Dades de

Caracter Personal. You have the right to access, modify, cancel and oppose to their use through written procedure addressed to SCOW project. BCNecologia, C/Escar 1, 3 08039 Barcelona, or sending an email to nohales@bcnecologia.net.



Mediterranean Compost Network

Network of entities involved in biowaste management and treatment in the MED area promoting initiatives aimed at high quality biowaste management and fostering means of communication and interaction among target entities.

WWW.MEDCOMPOST.NET

Provide with continuity to the MCN, find sources of financing/supporters >>new ENI calls

Meeting with Spanish Authorities



Working Groups Join us Cooperation & funding Communication Events Documentation



Mediterranean Compost Network

Home / Mediterranean Compost Network











Join the group of members of the MCN

Find out the upcoming events and training sessions. The



Meeting with Spanish Authorities

Other Outputs

- Guidelines defining the SCOW model and monitoring
- Handbook for compost marketing
- Final Vademecum

Find all this info on the SCOW website http://www.biowaste-scow.eu/





I-A/2.2/231 - SCOW
Selective collection of organic waste in tourist areas and valorisation in small-scale composting plants



Gemma Nohales nohales@bcnecologia.net













₩MIGAL

For additional information on the project please visit SCOW website:

http://www.biowaste-scow.eu/