

2019-08-29
Version 1
689229

Deliverable D5.2

Decision support tool for decentralised biowaste management



This project has received funding from the European Union's Horizon 2020 research and innovation program under grant agreement No 689229.



DECISIVE

**A DECENTRALISED MANAGEMENT SCHEME FOR
INNOVATIVE VALORISATION OF URBAN BIOWASTE**



This project has received funding from the European Union's Horizon 2020 research and innovation program under grant agreement No 689229.

A Decentralised Management Scheme for Innovative Valorisation of Urban Biowaste

D5.2 - Decision support tool for decentralised biowaste management

Grant Agreement N°	6689229		
Acronym	DECISIVE		
Full Title	A Decentralised Management Scheme for Innovative Valorisation of Urban Biowaste		
Work Package (WP)	WP5		
Document Type	Web-based tool		
Document Title	D5.2. Decision support tool for decentralised biowaste management		
Dissemination Level (marked with an «X» in the column to the far right)	CO	Confidential, only for partners of the Consortium (including the Commission's Services)	
	PU	Public	X
	PP	Restricted to other programme participants (including the Commission Services)	
	RE	Restricted to a group specified by the Consortium (including the Commission Services)	

DOCUMENT HISTORY

version	Date	editor	modification
Draft 01	23/08/2018	Veronica Martinez Sanchez	For approval by reviewing Team (GEOMAR, AU & ACR+)
Release 01	20/08/2019	Veronica Martinez Sanchez	First release for approval by coordinator

AUTHORSHIP & REVIEW

	Name	Organisation	Approval Date
Written by:	Veronica Martinez Sanchez	ENT	
	Rosaria Chifari	ENT	
	Ignasi Puig Ventosa	ENT	
	Pierre Thiriet	IRSTEA	
Reviewed by:	Jean-Benoît Bel	ACR+	29/08/2018
	Manfred Klinglmair	AU	24/08/2018
	Marco Scotti	GEOMAR	24/08/2018
Approved by:	Anne Tremier	IRSTEA	31/08/2019

CONTRIBUTORS

Name	Organization	E-mail
Jean-Benoît Bel	ACR+	jbb@acrplus.org
Oscar Prado	AERIS	o.prado@aeristec.com
Teresa Guerrero	ARC	tguerrero@gencat.cat
Gisela Sommer	ARC	gsommer@gencat.cat
Marga Lopez	ARC	malopezm@gencat.cat
Dani Vilaró	ARC	dvilaro@gencat.cat
Noemí Iglesias	ARC	niglesiasf@gencat.cat
Manfred Klinglmair	AU	mkli@envs.au.dk
Eldbjørg Blikra Vea	AU	ebv@envs.au.dk
Daina Romeo	AU	daina.romeo@envs.au.dk
Elisavet Angouria-Tsorochidou	AU	elan@envs.au.dk
Marianne Thomsen	AU	mth@envs.au.dk
Marc Iriani	ENT	miriani@ent.cat
Marco Scotti	GEOMAR	mscotti@geomar.de
Pierre Thiriet	IRSTEA	pierre.thiriet@irstea.fr
Claudio Fontana	ITS	claudio.fontana@its-energy.net
Eric Dargent	REFARMERS	eric.dargent@refarmers.co
Pablo Kroff	SE	pablo.kroff@suez.com
Ina Körner	TUHH	i.koerner@tuhh.de
Steffen Walk	TUHH	steffen.walk@tuhh.de
Phillipp Luessenhop	TUHH	phillipp.luessenhop@tuhh.de
Alejandra Cerda	UAB	alejandra.cerda@uab.cat
Antoni Sanchez	UAB	antoni.sanchez@uab.cat

PREFACE

The Decision support tool for decentralised biowaste management was prepared within the framework of DECISIVE. The tool aims at supporting the users in the selection of the most appropriate biowaste management option for a specific study zone. It is a web application (DECISIVE DST_V1) available at <https://dst.decisive2020.eu/>.

The developers of the tool recommends to read the Deliverable D5.3. "User Manual of the DECISIVE decision support tool" before using the tool. The latter describes the working procedure of the DST. The methodology behind the DECISIVE DST_V1 can be found in the [deliverable D5.1 "Methodology for planning of decentralized biowaste management behind the Decision Support Tool"](#).

User's feedback for both the tool and the manual can be sent to the following email address: dst@decisive2020.eu

DISCLAIMER

This document has been prepared by DECISIVE project partners as part of work carried out within the framework of European Union's Horizon 2020 research and innovation program under grant agreement No 689229. Neither the European Commission, nor the Project Coordinator, nor any signatory party of DECISIVE Project Consortium Agreement, nor any person acting on behalf of any of them assumes any responsibility for any damage or liability resulting from using the DECISIVE Decision Support Tool (DST), the data included in it or its manual.

The data introduced by users of the DECISIVE DST_V1 will not be accessible to other users unless a special permission is granted by the user (owner of the data) to share such data, process or project with other users. Once such permission is granted by the user (owner of the data), the administrators of the DECISIVE DST_V1 will evaluate the information provided and its potential interest for the target users of the DECISIVE DST_V1 and decide whether to add it in the public database of the tool or not. Fundació ENT acts as administrator of the DECISIVE DST_V1 during the project life time (September 2016 – February 2021).

DECISIVE Decision Support Tool

The DECISIVE Decision Support Tool aims at assessing the performance of biowaste management options (including centralized and decentralized systems) in a specific area (e.g. municipality or district of a city). The results obtained with the tool will facilitate the comparison between the decentralised systems of biowaste valorisation proposed by DECISVE. To evaluate the performance of each biowaste management option, the tool uses various assessment criteria including environmental, economic, social and regulatory aspects.

The DST assesses the three pillars of sustainability (environment, economy and social aspects) in a simplified manner and it can consider within the assessment the spatial location of biowaste sources and facilities. The DECISIVE DST_V1 can also operate without spatial information using the “Basic” mode of the tool instead of the “GIS” mode.

The working flow of the DECISIVE DST_V1 is similar for both “Basic” and “GIS” modes (see deliverable D5.3). First, there is the *Getting Started* part where the user has the option to log in, sign up or recover username and password. Second, there are the definitions of the *Study Zone* and *WMZs*. Third, there is the *Definition of the Scenario*. After this first step the user can define the *Spatial Inventory* or *Distance input* of the scenario. Finally, once the previous steps are defined, the *Mass Flow of the Scenario* and the *Assessment Results of the Scenario* are displayed.

The DECISIVE DST_V1 is open to registered users at no cost and it is available at <https://dst.decisive2020.eu/>.

Contact

Veronica Martinez Sanchez

vmartinezs@ent.cat

Fundació ENT

C/Josep Llanza, 1-7, 2n 3a. Vilanova i la Geltrú. 08800 Barcelona

DISCLAIMER

The content of this report does not reflect the official opinion of the European Union. Responsibility for the information and views expressed therein lies entirely with the authors.

