

PlastiCircle

Grant Agreement No 730292



Deliverable D9.5

Training plan

S.A. Agricultores de la Vega de València.



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Partners short names

- 1.** ITENE: INSTITUTO TECNOLÓGICO DEL EMBALAJE, TRANSPORTE Y LOGÍSTICA
- 2.** SINTEF: STIFTELSEN SINTEF
- 3.**
- 4.** AXION : AXION RECYCLING
- 5.** CRF : CENTRO RICERCHE FIAT
- 6.** UTRECHT : GEMEENTE UTRECHT
- 7.** INNDEA : FUNDACION DE LA COMUNITAT VALENCIANA PARA LA PROMOCION ESTRATEGICA EL DESARROLLO Y LA INNOVACION URBANA
- 8.** ALBA: PRIMARIA MUNICIPIULUI ALBA IULIA
- 9.** MOV: MESTNA OBCINA VELENJE
- 10.** SAV: SOCIEDAD ANONIMA AGRICULTORES DE LAVEGA DE VALENCIA Spain
- 11.** POLARIS: POLARIS M HOLDING
- 12.** INTERVAL: INDUSTRIAS TERMOPLÁSTICAS VALENCIANAS, S.A.
- 13.** ARMACELL : ARMACELL Benelux S.A.
- 14.** DERBIGUM : DERBIGUM N.V.
- 15.** PROPLAST : CONSORZIO PER LA PROMOZIONE DELLA CULTURA PLASTICA PROPLAST
- 16.** HAHN : HAHN PLASTICS Ltd.
- 17.** ECOEMBES : ECOEMBALAJES ESPAÑA S.A.
- 18.** KIMbcn : FUNDACIÓ KNOWLEDGE INNOVATION MARKET BARCELONA
- 19.** PLAST-EU: PLASTICSEUROPE
- 20.** ICLEI: ICLEI EUROPASEKRETARIAT GMBH
- 21.** PICVISA

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X	PU = Public
	PP = Restricted to other programme participants (including the EC)
	RE = Restricted to a group specified by the consortium (including the EC)
	CO = Confidential, only for members of the consortium (including the EC)

Author: PhD. Jerónimo Franco, B. Miranda SAV

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Abstract

The general objective of Plasticircle is to rethink the different phases involved in the transformation of waste into valuable products: from the development of intelligent containers for the selective collection of waste to the improvement of transport routes and classification technologies. The general objective is to achieve recovery within the same value chain. The training activities will play a central role in achieving this goal.

A training plan is developed in order to increase the participation of citizens, industry and waste management companies during and after the project execution, both for the design of the smart container and for its proper use.

The training plan will also address sorting plans, waste managers and drivers in order to make proper use of the guidelines created by the project in terms of efficient driving during the collection of the waste, and optimal sorting.

Mainly, this document establishes the framework of the Plasticircle training programme, and therefore identifies the training objectives and target audiences. Subsequently, it describes the training programme, through a first calendar of workshops and events. Finally, each of the partners involved represents the expected results of the training programme.

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Introduction

Organizing and carrying out training activities is one of the methods that PlastiCircle will use to achieve the objectives established in the proposal. This training plan is largely responsible for the success of the implementation phase of the project.



Deliverable D.9.5 'Training plan' presents the summary of all the trainings that are in task 9.3 and that will be carried out during the next months of the project. The topics that will be covered during the training courses are related, at the beginning of the project, with the design of the smart container, studying other solutions existing in the market and with the participation of the citizens, to take into account their needs regarding the use of the plastic waste container with a workshop on co-creation methodology for this solution. Co-design work is foreseen to adapt the PlastiCircle approach to the needs of stakeholders. Later on, a detailed description and demonstration of the way of using these containers will be developed for citizens and waste managers.

A procedure will be also created, on how to improve the quality of waste to be sorted and the segregation quality. These specifications will be materialised in an experimental guide which will be shown through videos, workshops and other training events.

The guide will also include an efficient drive procedure to achieve an optimal and efficient collection of the plastic waste; consequently, this will influence the entire waste process, guaranteeing the circular economy of plastics.

The purpose of this deliverable is to offer an overview of the structure and timing of the training events. The content of each event may be subject to change as required/decided by the Plasticircle consortium.

1. Strategy for training.

1.1 Training channels.

PlastiCircle uses different channels to achieve the required training of the different actors involved in the project.

- **The Plasticircle website:** One of the main training channels will be the Plasticircle website, which will be used for providing general information about proper use of containers, guidelines, etc. Training activities will be available online via the website navigation menu. The training website area will be continuously updated as the project advances.
- **Workshops:** The workshop meetings will be held in conference rooms that allow the facilitation of the training. The workshops are used to create or generate plans, analyses or designs that support different solutions devised by Plasticircle. A workshop allows the partners of the consortium and the interested parties to share ideas and help each other to facilitate new ideas that can be beneficial for all. Information leaflets will be shared with the participants.

2. Target audiences for training activities.

It is important to know which people or groups will require training. Plasticircle addresses different groups:

2.1 Industrial users.

Industrial users, or waste collection companies, sorting companies (within the pilot areas) and manufacturers, will be considered in the training activities. Waste collection and sorting companies involved in the proposal will participate in the activities.

2.2 Authorities, administration, municipalities.

Local and regional public administration of pilot areas will participate in the activities, with the objective of understanding the phases of the pilots and helping to design the most adequate procedures for citizen compensation as a function of the established territorial policies.

2.3 Civil society

Citizens: the people in the neighbourhoods where the pilots will be undertaken, will participate in workshops and events; this will allow for exchanging opinions in the most appropriate way to implement the innovative system for improving packaging waste. Neighbourhoods associations in the pilot areas will be identified and contacted.



3. Plasticircle training plan

3.1 Stakeholder workshops and training.

The results and conclusions of the workshops will be used as the basis for the development, improvement and implementation of PLASTICIRCLE, involving at the same time several external stakeholders in the project.

Training activities will be organised on specific topics such as "Proper Use of Smart Containers". The content of the training is structured to address all key issues central to the successful completion of the project. A list of planned workshops and training events is shown in table below.

3.2 Schedule training plan

The partner's channels were compiled to obtain a mapping of dissemination channels:

Target audience	purpose	Activities	Location	Project month	Lead partner
Citizens	Involve citizens on the design of the containers	Workshop on co-creation methodology	Valencia	M12	Las Naves
Cities, manufacturers of smart containers and citizens.	Synergies of PlastiCircle solution and other smart containers	Workshop	Valencia	M14	SAV
Citizens	Proper use of containers	Improve quality of waste to be sorted	Valencia Alba Iulia Utrecht	M25 M30 M34	Las Naves Alba Iulia Utrecht
Waste managers	Proper use of guidelines	Stakeholders trained	Valencia Alba Iulia Utrecht	M36	SAV, ITENE, ECOEMBES
Waste managers, drivers	Proper use of our guidelines	Stakeholders trained	Valencia Alba Iulia Utrecht	M36	ITENE, SINTEF, PLASTICS EU
Waste managers, Sorting plants	Proper use of our guidelines	Stakeholders trained	Valencia Alba Iulia Utrecht	M36	PICVISA

Table 1: Schedule training plan

*The leading partners of each workshop will contact all partners involved in each workshop as well as other partners which can be interested in participating.

3.3 Details of training actions

It is important to define for each event the objective of each training action. The training objective is a statement of what the workshop assistants will know, understand or be able to do as a result of participating in the learning activity. Defining objectives is essential to building a solid foundation in the development of materials and contents of the training.

To facilitate this task, a template is provided below

Workshop Plan Template

Title:

Target Audience:

Length:

Workshop Goal:

Learning Objectives:

Description:

Modules and Timing

Time	Module	Description
Total:		

Evaluation Process:

Handouts, Materials, Supplies:

4. Activities and responsibilities

The training plan will be made more effective by maximising each partner's reach.

4.1 Responsibilities

ICLEI will be responsible for the overall project training but each partner has a role to play in sharing the project's findings, and show them and make that necessary disclosure in the training events.

The transmission of knowledge in the training plan will be carried out by each partner in relation to the responsibility that has been assigned in each of the parts of the project.

- **Technological and research partners:** responsible for transmitting knowledge regarding smart container/characterisation protocol/ segregation quality/ guidelines of efficient driving.
- **Industrial partners:** responsible for transmitting knowledge regarding smart containers/ compensation procedures/ cloud platform/ guidelines for efficient driving.
- **Cities and city networks:** responsible for sharing the implementation's lessons with other cities through European networks but also connecting with local stakeholders and citizens, to promote an inclusive approach. They also have the responsibility of involving the citizen in the project by transmitting the information and training on proper use and other necessary instructions for the use of the smart container.

All partners must announce and promote the event with certain time in advance, at least 45 days before, and in the following media or other:

Time in advance	event	Informative medium	Lead partner
45 days	Workshop on co-creation methodology	(examples) ▪ (Press releases ▪ Non-scientific articles ▪ Webpages ▪ Interviews)	Las Naves
45 days	Synergies of PlastiCircle solution and other smart containers	▪ Social media post ▪ Webpages	SAV

45 Days	Workshop and video (proper use of smart containers)		Las Naves Alba Utrecht
45 Days	Training event (proper use of guidelines-segregation quality)		Sav Itene Ecoembes
45 Days	Training event (proper use of guidelines-efficient driving)		Itene Sintef Plasti-EU
45 days	Training event (Optimal sorting)		Picvisa

All partners at the end of an event should post photos and results in the following media in a limited period of time to maximize the impact of the event:

Time after training event	event	Informative medium	Means, resource	Lead partner
7 days	Workshop on co-creation methodology			Las Naves
7 days	Workshop (preparation of the Valencia pilot)			SAV
7 Days	Workshop (Compensation procedure)			SAV
7 Days	Workshop and video (proper use of smart containers)			Las Naves Alba Utrecht
7 Days	Training event (proper use of guidelines-segregation quality)			Sav Itene Ecoembes Plasti-EU
7 Days	Training event (proper use of guidelines-efficient driving)			Itene Sintef
7 days	Training event (Optimal sorting)			Picvisa

5. Other training activities.

5.1 A Lessons learned for practical implementation.

The final report of the training plan is created as part of the plan's closing process and includes the report containing lessons learned. Lessons learned are experiences derived from training activities and should be actively considered in future activities/ real pilots. An essential part of the training evaluation process involves the integration of lessons learned to ensure that learning (not just training) is transferred.

Picture 1: Template lesson learned

5.2 Driving training book.

To improve efficient driving once the sensors have been installed in the waste collectors, it is necessary to improve driving behaviour (WP3); as such it will be necessary to create a Driving Behaviour Guidance (ALBA-M15). The aim of the manual is to improve driver training to achieve driving which is as efficient as possible - for example, not exceeding a certain number of RPM (revolutions per minute).

For deeper understanding, a training activity will be conducted regarding the Proper Use of Driving Guidelines M-36 (Table 1: Schedule training plan).

Contact information

info@plasti-circle.eu
innova@sav.es



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