



LIFE Environment and Resource Efficiency

LIFECITRUS

LIFE14 ENV/ES/000326

List indicators C1 action

29 June 2016.



Introduction

There is now a concern for quality, efficiency, productivity and competitiveness in all areas, which is the result of the globalization process. It seeks to improve, and for this, the use of quantitative and qualitative information allows to develop an evaluation process to compare against the evolution of an activity that takes place in a certain time against an initial situation which is previously established.

The evaluation is often the most overlooked of the projects. To include a project to evaluate how it will facilitate monitoring of the guide it in its implementation phase, determining what data we collect for the final evaluation. The evaluation is done through a systematic collection of information focusing on what we have called indicators. Indicators are concrete, measurable facts or expressions whose values allow us to measure the adequacy, effectiveness and efficiency of our project. To evaluate properly you need to specify and to explain them from the beginning.

In general, an evaluation plan includes aspects such as what we want to evaluate, and relevant indicators. It is also interesting to establish what procedures and techniques will be used for obtaining and collecting data.

The outcome indicators, where indicators of activity are included, consist of the state of accomplishment, number of participants, etc.

In this way is seeking an evaluation of the project including minima as:

- Check the level of achievement of the overall objective and intermediate objectives, by assessing the degree of achievement of the goals (operational goals).
- Determine the activities carried out, specifying its level of adjustment as provided



in the schedule and estimate its contribution to achieving the goals, identifying possible improvements.

- Determine what resources are effectively used and how intensively, assessing their usage (efficiency ...).
- To assess management processes, and identify improvements from the experience.
- Know the valuation of the end users and stakeholders.

Finally, by identifying indicators not be forgotten quantify the minimal number to get to corroborate the evaluation has been positive or negative.

Objective

The objective of this report is to show the list of indicators that will work throughout the project to carry out monitoring. In the project proposal a preliminary list of indicators was included, but it is necessary to establish a final list and evaluate the initial situation.

Techniques for obtaining and collecting data

To obtain and collect data and indicators of implementation actions using control sheets each test will be filled. For dissemination actions and on knowledge transfer leaves signature assistants and records available on Google Statistic (for the website) or included in the website itself (for downloads or forms used) will be used. The rest of the actions will be counted individually.

Finally, Excel will fill monthly indicators including the date of the activity, to be compared with the goal set in date and number.

Once completed the Excel colors, to go on time or out of it will be used. The green color indicates a correct position, while yellow is indicative of having reached the goal, but after the deadline. The red color is indicative of not meeting the expected result.



It has also been established good communication between the coordinating partner and the other partners, by developing a set of activities designed to promote such communication. The partners responsible for each task will be announced at most six months a summary of the progress of the actions that are responsible or at the end of it, describing if they are developing normally and with the budget and the timeframe provided.

Once we know the information from all partners, from coordinating a report global tracking is made that is sent to all members, so that everyone is familiar with the degree of progress, the incidents encountered and the actions taken to solve them. This comprehensive monitoring report will be discussed in committee meetings. In addition, in these meetings of the committee will be checked the activities and deliverables to be made in the next six months. Therefore, this monitoring exercise will allow the indicator table fills continuously, ensuring of quality evaluation of the project.

Indicators

On the date February 15, 2016 indicators shown below are established to monitor the project, according to the established actions. A first column is included with the corresponding milestone; a second with the proposed indicator; and a third with the aim to achieve. The following columns are left to fill the track indicating the deadline or the result achieved in the corresponding date.

Because the indicators table has been established after the project started, now they have already served some time deliverable, indicating an initial situation above 0 in some cases. In addition, a case is in the D2 action, since actions have already been developed for the dissemination to the general population taking advantage of other dissemination and training activities from the project partners.



B1		Limited reach					
Report design process	Date	31/10/2015	31/10/2015				
Report comparative analysis of the requested and received offers	Date	30/11/2015	27/11/2015				
Implement the new equipment in the CTC plant	Date	29/02/2016	12/01/2016				
Test number							
Amount of lemon residues processed	Date		21/12/2015	22/12/2015	12-14/01/2016	28-29/01/2016	10-12/02/2016
	Initial weight (kg)		80	56,35	60,2	100,64	58,64
	Final product weight (kg)	200	62	50,17	10,5	21,5	20,81
	Mass performance %	97	77,5	89,03	17,44	21,36	35,49
Amount of citric residues processed	Date						
	Initial weight (kg)						
	Final product weight (kg)	200					
	Mass performance %	97					



B2		Limited reach
Report about the process effectiveness	Date	30/04/2017
Test number (different reference)		12
Amount of lemon residues processed (01/03/2016-31/08/2016)	Test date	
	Initial weight (kg)	1500
	Final product weight (Kg)	1455
	Mass performance %	97
	Water consumption (m3)	
	Wastewater (m3)	
	Electricity consumption (Kwh)	
	Gas consumption (m3)	
	Samples number (bags)	
	m3 water consumption/Kg puree	
	kWh/Kg puree	
Amount of citric residues processed (01/03/2016-31/08/2016)	Test date	
	Initial weight (kg)	1200
	Final product weight (Kg)	1164
	Mass performance %	97
	Water consumption (m3)	
	Wastewater (m3)	
	Electricity consumption (Kwh)	
	Gas consumption (m3)	
	Samples number (bags)	
	m3 water consumption/Kg puree	
	kWh/Kg puree	
Amount of other fruit residues processed (01/03/2016-31/08/2016)	Test date	
	Initial weight (kg)	300
	Final product weight (Kg)	291
	Mass performance %	97
	Water consumption (m3)	
	Wastewater (m3)	
	Electricity consumption (Kwh)	
	Gas consumption (m3)	
	Samples number (bags)	
	m3 water consumption/Kg puree	
	kWh/Kg puree	
New foods (01/09/2016-28/02/2017)	Test date	
	Kg puree used	
	Puree reference	
	Water consumption (m3)	
	Wastewater (m3)	
	kWh consumption	
	Gas consumption (m3)	
	Samples number (bags)	
	m3 water consumption/Kg puree	
	kWh/Kg puree	
Stage of the process effectiveness study	Date	
	Description	
Stage of the final products characterisation	Date	
	Description	



B3		Limited reach
Report of the Region de Murcia demonstration initiatives	Date	30/06/2018
Number of companies contacted		51
Lemon (01/08/2016-28/03/2017)	Date call, email, visit	
	Company	
Other citrus and fruits (01/11/2016-31/03/2017)	Date call, email, visit	
	Company	
Foodstuffs (01/02/2017-30/06/2017)	Date call, email, visit	
	Company	
Workshops developed		3---6
Lemon (01/12/2016-31/01/2017)	Date and attendances	
	Name and sector	
Other citrus and fruits (01/03/2017-28/04/2017)	Date and attendances	
	Name and sector	
Foodstuffs (01/06/2017-31/07/2017)	Date and attendances	
	Name and sector	
Number of test sor demonstrations done		15
Lemon (02/01/2017-30/11/2017)	Demonstration date	
	Company	
	Initial weight (kg)	
	Final product weight (Kg)	
	Mass performance %	
	Water consumption (m3)	
	Wastewater (m3)	
	Electricity consumption (Kwh)	
	Gas consumption (m3)	
	Samples number (bags)	
	m3 water consumption/Kg puree	
	kWh/Kg puree	
Other citrus and fruits (03/04/2017-28/02/2018)	Demonstration date	
	Company	
	Initial weight (kg)	
	Final product weight (Kg)	
	Mass performance %	
	Water consumption (m3)	
	Wastewater (m3)	
	Electricity consumption (Kwh)	
	Gas consumption (m3)	
	Samples number (bags)	
	m3 water consumption/Kg puree	
	kWh/Kg puree	
Foodstuffs (03/07/2017-31/05/2018)	Demonstration date	
	Company	
	Kg puree used	
	Puree reference	
	Water consumption (m3)	
	Wastewater (m3)	
	kWh consumption	
	Gas consumption (m3)	
	Samples number (bags)	
	m3 water consumption/Kg puree	
	kWh/Kg puree	



B4		Limited reach
Contact with the Council of Ecological Agriculture of the Region of Murcia (CAERM)	Date	
Summary report of the demonstration and disclosure initiatives for citrus juice and oil industries, fresh producers and marketers	Date	31/03/2018
Number of companies directly contacted (01/05/2017-28/02/2018)		31
	Date call, email, visit	
	Company	
Number of meeting held and attendances (01/06/2017-29/09/2017)		2
	Date meeting	
	Company	
	Number of attendances	
Number of tests or demonstrations done (01/09/2017-28/02/2018)		3
	Date demonstration	
	Company	
	Date of final report	
	Initial puree (Kg)	
	Puree reference- Final puree (Kg)	
	Mass performance %	
	Water consumption (m3)	
	Wastewater (m3)	
	Electricity consumption (Kwh)	
	Gas consumption (m3)	
	Samples number (bags)	
	m3 water consumption/Kg puree	
	kWh/Kg puree	

B5		Limited reach
Contact with the Council of Ecological Agriculture of the Region of Murcia (CAERM)	Date	
Summary report of the demonstration and disclosure initiatives for jams, jellies and canned foods companies	Date	30/06/2018
Number of companies directly contacted (15/07/2017-31/05/2018)		31
	Date call, email, visit	
	Company	
Number of meeting held and attendances (01/09/2017-29/12/2017)		2
	Date meeting	
	Company	
	Number of attendances	
Number of tests or demonstrations done (01/12/2017-31/05/2018)		3
	Date demonstration	
	Company	
	Date of final report	
	Initial puree (Kg)	
	Puree reference- Final puree (Kg)	
	Mass performance %	
	Water consumption (m3)	
	Wastewater (m3)	
	Electricity consumption (Kwh)	
	Gas consumption (m3)	
	Samples number (bags)	
	m3 water consumption/Kg puree	



B6		Limited reach
	Number of calls	3
	Total number of adhesions to the course	30
Documentation of the courses offered to participants	Date	31/05/2017
First technician course (01/06/2017-31/08/2017)	Date	
	Number of adhesion	
	Assitance company	
	Number of questions asked by subscribers	
	Who asks question	
	Number of completed environmental awareness surveys	
Second technician course (01/12/2017-28/02/2018)	Date	
	Number of adhesion	
	Assitance company	
	Number of questions asked by subscribers	
	Who asks question	
	Number of completed environmental awareness surveys	
Third technician course (01/06/2018-31/08/2018)	Date	
	Number of adhesion	
	Assitance company	
	Number of questions asked by subscribers	
	Who asks question	
	Number of completed environmental awareness surveys	

C1		Limited reach	
Report (List of Project indicators to measure the impact and baseline used to evaluate the progress)	Date	29/02/2016	15/02/2016
Mid-term report indicators table	Date	28/02/2017	
Final report indicators table	Date	28/11/2018	
Indicators	Date	Mensual	15/02/2016
	Number of monthly indicators		47
	Number of accumulated indicators		47
	Type of indicators		

C2		Limited reach	
Market research report (01/04/2016-31/08/2016)	Date of final report	30/10/2016	
Information obtained	Number participants		
	Tyoe of participants		
	Results		
Cost-benefit analysis report (01/04/2016-31/08/2016)	Date of final report	30/11/2016	
Stage of the designing and budgeting for an industrial plant	Date		
	Description of how it goes		
Stage of the cost-benefit analysis	Date		
	Description of how it goes		
Feasibility study report (31/08/2016-31/11/2016)	Date of final report	30/11/2016	
Stage of the feasibility report	Date		
	Description of how it goes		



C3		Limited reach	
Report of initial situation of the socio-economic impact (29/02/2016) and results of periodic surveys based on a monitoring plan (01/03/2016-26/06/2018)	Date	31/07/2018	
Quantity of information obtained	Number of completed surveys		
	Number of surveys completed through website		
	Number of surveys completed in CTC		
	Number of surveys completed in other localization		
	Number of people surveyed from citrus companies		
	Number of people surveyed from food companies		
	Number of scientific people surveyed		
	Number of student people surveyed		
	Number of answers answered by people surveyed		
Quality of information obtained	Number of surveys with all questions answered		
	Number of surveys that include observations		
	Number of surveys that include data contact		
	Is the survey information objective?		

D1		Limited reach		
Corporate image	Date	29/02/2016	05/01/2016	
Website	Date	29/02/2016		
	Date	Monthly		
	Number of visits	10000	0	
	Number of downloads of website			
	Number of requests for information through the contact area			



D2		Limited reach			
Initial press-meeting	Date	30/11/2015	11/12/2015		
	Number of media companies attending to the initial press-meeting	6	7		
	Number of people		21+ medios		
	Number of companies		11+Agrupal+UM		
	Number of press, radio and TV appearance		1		
Final press-meeting	Date	15/09/2018			
	Number of media companies attending to the initial press-meeting	6			
	Number of people				
	Number of companies				
Guided visits for journalists	Number of journalists and number of media companies	6 + 6			
	Date	31/10/2016 y 31/10/2017			
	Name of media company				
Video of the project	Date	31/03/2017			
	Number of video downloads on the website				
Reviews and articles	Date		09/02/2016		
	Article title		La Verdad (sección Nuestra Tierra: De corteza a aditivo natural)		
	Number of articles in CTC magazine				
	Number of articles in technical journals	1			
	Number of articles in scientific journals	1			
	Special section in the CTC Alimentacion magazine	31/03/2017			
	Number of CTC Alimentacion magazines sent	12000			
Newsletter	Date		30/12/2015		
	Title		Dic15 Presentación proyecto		
	Number of newsletters	6	1		
	Number of newsletter sent	3000	500		
Radio and TV appearance	Date				
	Media				
	Number of TV and radio appearances				
	Number of people who can be spectators / listeners				
Congresses and fairs	Date				
	Name of congress				
	Number of participations in national and international congresses and fairs	2			
	Number of attendees at each congress / fair where we participate				
Conference 2-3days. Project results and other related projects	Date	29/12/2017			
	Number of companies attending	20			
	Number of entities present	10			
	Number of people attending				
General (que herramientas se utilizan para dar información general?) <i>Número personas a las que se da información porque llaman por teléfono o escriben email</i>					
	Number of emails received to request information				
	Date		02/12/2015	03/12/2015	28/01/2016
	Center/company		UM. Master	CESUR	Empresa congelados
	Number of people	44	25	17	2



D3		Limited reach
Notice boards (2: castellano/inglés y 1: italiano/inglés)	Number of notice boards	3
	Date	31/03/2016
Notice board in pilot plant (1: castellano/inglés)	Number of notice board	1
	Date	31/03/2016

D4		Limited reach
Layman's report finished and published on website	Date	30/03/2018
	Number of copies in English distributed	1000
	Number of copies in Spanish distributed	500
	Number of copies in Italian distributed	500
	Number of downloads from the website	

D5		Limited reach
First Project brochure	Date	30/09/2016
	Number of copies in English distributed	500
	Number of copies in Spanish distributed	500
	Number of copies in Italian distributed	500
	Number of downloads from the website	
Second project brochure	Date	28/02/2018
	Number of copies in English distributed	500
	Number of copies in Spanish distributed	500
	Number of copies in Italian distributed	500
	Number of downloads from the website	

D6		Limited reach
Document with the synergies found between projects after networking activities	Date	31/03/2018
Networking activities	Number of related projects identified	3
LIFE ECOCITRIC	Number of synergies identified (en qué coincidimos?: objetivos/acciones)	
CITROFUEL (LIFE)	Number of networking activities developed (email, plataformas, talleres, conferencias, eventos educación)	5
LIFE GISWASTE	Number of networking actions including national or international travel	4
	Number of people with networking	
	Indicate type of assistants (professionals, students, etc.)	

E1		Limited reach		
Report on project progress after each committee meeting	Date meeting	Every six months	05/11/2015	04/02/2016
Midterm report	Date	28/02/2017		
Progress report	Date	29/11/2017		
Final report	Date	28/11/2018		

E2		Limited reach		

E3		Limited reach		
After LIFE Plan	Date	28/04/2018		
	Date	Monthly		
	Status of report development			