

PROTOCOL FOR HOSTING DEMONSTRATION PROJECT

This form has to be filled by owner of the farm and/or of processing unit e/o others, in order to give useful information to ICT SMEs needs fields, processing industries, etc., to test their technological solution(s).

Please fill "data" field with open text, or as specifically indicated.

A - FARM

CHAPTER A0: General information

ID.	Requisite	Data
A01	Contact person (name, email)	Concepción Mira Rodado cmira@tepro.es
A02	Farm name	TEPRO Consultores Agrícolas SL
A03	Address and Country	Avda. San Francisco Javier, 24, 3º Edificio SEVILLA 1 – 4018 – Seville - SPAIN
A04	Experience in farm demonstration activities (years)	Over 40 years' experience on farm management and over 12 years' on crop production demonstration and RDI activities.
A05	Land drainage if yes, water collectors	<input type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> yes <input type="checkbox"/> no
A06	Practicability of fields in case of rain	<input type="checkbox"/> yes <input type="checkbox"/> no

CHAPTER A1: Structure of the farm

ID.	Requisite	Data	
A11	Kind of soil (knowledge on soil analysis and composition)	<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no
A12	Soil slope	Approx %: between 0% -10%	
A13	Hedges and / or ecological infrastructures	<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no
A14	Stable grassland	<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no

CHAPTER A2: Focus on farm

ID.	Requisite			Data	
A21	Land without cultivation			Approx ha	
A22	Arable crops - Approx ha				
	Details	ORGANIC FARM	INTEGRATED CROP MGT FARM		
	Crop 1: Cereals	1000			
	Crop 2: Cotton		1300		
	Crop 3:Quinoa	600			
	Crop 4: Rice		2000		
A23	Vegetable crops - Approx ha				
	Details	OPEN FIELD		GREENHOUSE	
		ORGANIC FARMING	INTEGRATED CROP MGT. FARM	ORGANIC FARMING	INTEGRATED CROP MGT. FARM
	Crop 1: Tomato		600		
	Crop 2: Sugar Beet		300		
	Crop 3				
	Crop X				
A24	Vine crops - Approx ha				
	Details	ORGANIC FARM	INTEGRATED CROP MGT FARM		
	Crop 1				
A25	Orchards – Approx ha				
	Details	ORGANIC FARM	INTEGRATED CROP MGT FARM		
	Crop 1: Olive	500	1100		
	Crop 2: Citrus		220		

	Crop 3:Almond	20		
	Crop X			
A26	Livestock			
	Details	Approx no.	Breeding form	Organic breeding (or other, please specify)
	Livestock 1			
	Livestock 2			
	Livestock 3			
	Livestock X			
A27	Other (specify)			Approx ha

CHAPTER A3: Description of farm equipment

ID.	Requisite	Data
A31	Machines for soil tillage	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no
A32	Machines for weed control	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no
A33	Irrigation system(s) If yes what kind (specify)	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no DRIP / SPRINKLE / RICE UNDER CONTINUOUS FLOODING
A34	Equipment with remote control (specify): _____ _____ _____	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no
A35	Livestock and pastures - Radio frequency ID: Transmit identity data with tags attached to production units (mostly animals) that allow data collection on performance as well as individualized management - Automated milking, feeding, and monitoring systems: Perform milking or feeding operations automatically with robotic systems, often combined with sensors that collect basic biometric data on animals, thereby reducing labour needs and facilitating individualized animal management	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no <input type="checkbox"/> yes <input checked="" type="checkbox"/> no
A36	Precision farming facilities If yes description (e.g.: GPS for straight line assistance, meteorological stations, soil sensors, etc.) following the scheme: - Precision Application technologies - Data acquisition technologies - Data analysis & evaluation technologies	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no NOT AVAILABLE IN ALL FIELDS Aerial photos and satellite imageries. Distilling NPP, NDVI, LAI etc indices, providing information for taking decisions on when, where, what kind and how much fertilizers and pest management products are to be needed, as well as information on irrigation needs.
A37	If the answer in A36 is "no": do you have availability of data and information from private / public database? Please specify WE HAVE AVAILABILITY TO DATA AND INFORMATION FROM BOTH, PRIVATE AND PUBLIC DATABASES FOR THOSE FIELDS WHERE WE DON'T HAVE SPECIFIC DEVICES FOR PRECISION AGRICULTURE.	

CHAPTER A4: Description of facilities

ID.	Requisite	Data	
A41	Irrigation connections on field head	<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no
A42	Electricity in field availability	<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no
A43	Electrical generator availability	<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no
A44	Availability of tractors / machines equipped with GPS system	<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no
A45	Availability of machines for harvest. If yes specify for which crop(s) <u>Harvesting machines for all crops are available in the fields for all crops. They are either owned by the farm or services are subcontracted for harvesting and/or other cropping activities.</u>	<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no
A46	Availability of refrigerated cells for storage and conservation	<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no
A47	Availability of mechanical workshop: fixing ups, soldering, etc.	<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no
A48	Availability of a storehouse with latch for equipment...	<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no MAYBE NOT AVAILABLE IN ALL FIELDS.
A49	Availability of optical fibre / 4G connection for data transmission	<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no MAYBE NOT AVAILABLE IN ALL FIELDS.
A410	Other availability (e.g., GPRS coverage on site, etc.)	<u>GPRS COVERAGE,</u> ALTHOUGH MAYBE NOT AVAILABLE IN ALL FIELDS.	

CHAPTER A5: Others conditions

ID.	Requisite	Data	
A51	Access site – (The cost will be quantified case by case)	<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no
A52	Access to particular equipment – (The cost will be quantified case by case). In case the use of some special equipment will be necessary by final user/SME they will have to demonstrate a specific training / license to use it in compliance with National/local laws. not clear	<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no
A53	Availability of staff experienced to carry on and support field test trials – (The cost will be quantified case by case)	<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no
In case of field management by third part:			
A54	Availability to lose part of the production based on reimbursement	<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no
A55	Availability to apply experimental protocols supplied by third parts	<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no
A56	Availability to host visitors during tests	<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no
A57	Availability to sign confidentiality contracts	<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no
A58	<p>Presentation of the owner: introduction of the site and presentation of the owner motivation</p> <p>TEPRO has developed RDI projects on commercial field crops, always with the owners' approval and authorization for it. Improvements derived from RDI projects are susceptible to being implemented on farms, as our integral management service aims to maximise the profitability of our clients, always bearing in mind long-term sustainability from all points of view. Any costs arising from the case study action must be compensated to the farmer, either for loss of harvest or for managing the field other than usual, etc.</p> <p>TEPRO Consultores Agrícolas S.L. is Spanish Consulting Firm located in Seville. Is the leader of the TEPRO GROUP, who has over 40 years of agricultural and livestock farm management expertise. The TEPRO GROUP manages more than 75,000 hectares in southern Spain (Seville, Cádiz, Córdoba and Extremadura), Portugal and Bulgaria. We also have subsidiaries in Morocco and Senegal.</p> <p>TEPRO's multidisciplinary team covers the areas of Agroindustrial, Civil and Irrigation Engineering, Economic-Environmental-Social Assessment, Sustainable Agricultural Management, Technical national and international Consultancy and Research, Development and Innovation Projects.</p> <p>OUR SPIRIT</p> <p>Sustainable Agriculture Practices, Product Quality, Commitment to the Environment, fighting Climate Change (mitigation and adaptation) and promoting and implementing new technologies and ICTs in the agricultural management.</p>		

WHAT WE DO

- FARM MANAGEMENT and AGRICULTURE ENGINEERING: Farm irrigation projects; Agro-industrial projects; Mediterranean crop production and management.
- CONSULTANCY: Project Assessments; Feasibility Studies; Technical Assistance; Due Dilligence Assessment, Life Cycle Assessment and Carbon, Water and Product Environmental Footprint Assessment.
- RESEARCH and DEVELOPMENT PROJECTS: Desingning and implementing RDI projects.

WHAT WE OFFER...

More than 40 years of expertise on agricultural farm management and authoring experimental and demonstration activities. Possibility to develop demonstration activities as we manage over 75,000 hectares of agricultural land of a wide range of crop production and livestock farming systems and pedoclimatic zones in the Mediterranean region and Eastern Europe. We also offer our expeirence and expertise on conducting LCA and Carbon, Water and Product Environmental Footprint Assessments with SimaPro.

B - POST-HARVEST PROCESSING UNITS & OTHERS

CHAPTER B0: General information

ID.	Requisite	Data
B01	Contact person (name, email)	
B02	Unit name	
B03	Address and Country	
B04	Experience in demonstration activities (years)	
B05	Kind of units	

CHAPTER B1: Structure of the unit

ID.	Requisite	Data
B11	Physical description of the unit (location, geographical data, etc...)	_____

CHAPTER B2: Data about products/services

ID.	Requisite	Data																																			
B21	Description of products, or semi-products, or service or everything it is for you the output of your process																																				
	<table border="1"> <thead> <tr> <th colspan="3">PRODUCTION INDUSTRY</th> <th colspan="2">INDUSTRY</th> </tr> <tr> <th>Details</th> <th>FROM ORGANIC FARMING/ BREEDING</th> <th>FROM INTEGRATED CROP MGT FARMING/ BREEDING</th> <th>Details</th> <th>FROM ORGANIC FARMING/ BREEDING</th> <th>FROM INTEGRATED CROP MGT FARMING/ BREEDING</th> </tr> </thead> <tbody> <tr> <td>Product 1</td> <td>///</td> <td>///</td> <td>Product 1</td> <td>///</td> <td>Tomato sauces</td> </tr> <tr> <td>Product 2</td> <td>///</td> <td>///</td> <td>Product 2</td> <td>///</td> <td>Fruit Juices</td> </tr> <tr> <td>Product 3</td> <td>///</td> <td>///</td> <td>Product 3</td> <td>///</td> <td>Wine</td> </tr> <tr> <td>Product X</td> <td>///</td> <td>///</td> <td>Product X</td> <td>///</td> <td>///</td> </tr> </tbody> </table>		PRODUCTION INDUSTRY			INDUSTRY		Details	FROM ORGANIC FARMING/ BREEDING	FROM INTEGRATED CROP MGT FARMING/ BREEDING	Details	FROM ORGANIC FARMING/ BREEDING	FROM INTEGRATED CROP MGT FARMING/ BREEDING	Product 1	///	///	Product 1	///	Tomato sauces	Product 2	///	///	Product 2	///	Fruit Juices	Product 3	///	///	Product 3	///	Wine	Product X	///	///	Product X	///	///
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	Product 3	///	///	Product 3	///	Wine																															
Product X	///	///	Product X	///	///																																
B22	Other standards / certification system (specify)	_____																																			
B23	Other useful details (specify and describe)																																				

CHAPTER B3: Description processing and “technological” equipment

ID.	Requisite	Data
B31	Processing equipment (specify): 1) _____ 2) _____ 3) _____	
B32	“Equipment to apply new technologies in the process unit (specify): 1) _____ 2) _____ 3) _____	

CHAPTER B4: Description of facilities

ID.	Requisite
B41	Please describe facilities included in your unit (list them in case of more than one)