

## V'Innopole Sud-ouest

### A - FARM

#### CHAPTER A0: General information

ID.	Requisite	Data
A01	Contact person (name, email)	Eric SERRANO Christophe GAVIGLIO
A02	Farm name	V'Innopole Sud-Ouest
A03	Address and Country	IFV-1920 route de Lisle/Tarn 81310 Lisle/Tarn France
A04	Experience in farm demonstration activities (years)	18
A05	Land drainage if yes, water collectors	<input type="checkbox"/> yes <input type="checkbox"/> yes
A06	Practicability of fields in case of rain	<input type="checkbox"/> yes

#### CHAPTER A1: Structure of the farm

ID.	Requisite	Data
A11	Kind of soil (knowledge on soil analysis and composition)	<input type="checkbox"/> yes
A12	Soil slope	Approx % : 0 to 20%
A13	Hedges and / or ecological infrastructures	<input type="checkbox"/> yes
A14	Stable grassland	<input type="checkbox"/> no

## CHAPTER A2: Focus on farm

ID.	Requisite	Data	
A24	Vine	Organic farming Area (ha)	ICM Farm Area (ha)
	Several varieties		15

## CHAPTER A3: Description of farm equipment

ID.	Requisite	Data
A31	Machines for soil tillage	<input type="checkbox"/> yes
A32	Machines for weed control	<input type="checkbox"/> yes
A33	Irrigation system(s) Please specify:	<input type="checkbox"/> yes DRIP
A34	Equipment with remote control Please specify:	<input type="checkbox"/> yes Robot
A35	Livestock and pastures -Radio frequency ID -Automated milking, feeding, and monitoring systems	<input type="checkbox"/> no  <input type="checkbox"/> no
A36	Precision farming facilities	
	-Precision Application technologies (If yes specify)	<input type="checkbox"/> Yes
	-Data acquisition technologies (If yes please specify):	<input type="checkbox"/> Yes Soil sensors Meteorological stations Drone data Vigor data (sensor)/ Maturity data (sensor)
	-Data analysis & evaluation technologies (If yes specify):	<input type="checkbox"/> Yes Quality of wine

#### CHAPTER A4: Description of facilities

ID.	Requisite	Data
-----	-----------	------

A41	Irrigation connections on field head	<input type="checkbox"/> yes
A42	Electricity in field availability	<input type="checkbox"/> no
A43	Electrical generator availability	<input type="checkbox"/> yes
A44	Availability of tractors / machines equipped with GPS system	<input type="checkbox"/> yes
A45	Availability of machines for harvest. If yes specify for which crop(s):	<input type="checkbox"/> yes Vine harvesting
A46	Availability of refrigerated cells for storage and conservation	<input type="checkbox"/> yes
A47	Availability of mechanical workshop: fixing ups, soldering, etc.	<input type="checkbox"/> yes
A48	Availability of a storehouse with latch for equipment...	<input type="checkbox"/> yes
A49	Possibility of connection for data transmission (3G, 4G, others) a	<input type="checkbox"/> yes

## CHAPTER A5: Other conditions

ID.	Requisite	Data
A51	<p>Demo site profile:</p> <ul style="list-style-type: none"> <li>- Implementation of a solution in living conditions simply with practical feedbacks</li> <li>- Experimentation and test of the solution with technical/scientific support and assessment feed-backs</li> <li>- Existence of a formalized service offer</li> </ul>	<input type="checkbox"/> no  <input type="checkbox"/> yes  <input type="checkbox"/> yes
A52	<p>Conditioned access to particular equipment (please specify)</p> <p>In case of special equipments requiring a certified experience, the final user/SME should demonstrate a specific training / license to use it in compliance with National/local laws</p>	<input type="checkbox"/> no
A53	<p>Availability of experienced staff to carry out and support field test trials</p>	<input type="checkbox"/> yes
	<p>How many experimentation/demonstration activities are developed on average /year?</p>	20
	<p>How many qualified experts (technicians/researchers) are available?</p>	14
In case of field management by third part:		
A54	Possibility to lose part of the production based on reimbursement	<input type="checkbox"/> yes
A55	Possibility to apply experimental protocols supplied by third parts	<input type="checkbox"/> yes
A56	Possibility to host visitors during tests	<input type="checkbox"/> yes
A57	Possibility to sign confidentiality contracts	<input type="checkbox"/> yes



V'innopôle Sud-Ouest is the South West research unit of the French Institute for Vine and Wine (IFV) located in the heart of the Gaillac vineyard, 50 km north-east of Toulouse.

The ultra-modern equipment of V'innopôle Sud-Ouest allows performing specific studies to test innovations in Viticulture and Winemaking. The infrastructure includes a vineyard of 15 Hectares with several plots of local and international varieties, the third largest conservatory in France with more than 200 varieties, a cellar for micro-winemaking which can contains up to 500 tanks and a 130 m<sup>2</sup> modern laboratory.

IFV is an organisation that elaborates reliable technical standards in Viticulture and Enology. For this, it conducts experiments and field trials on various topics. IFV helps SMEs in their R&D and innovation activities. Open to education, teaching and training, IFV has developed partnerships with viticultural and enological training centers. Dissemination and technology transfer are another key issues through several communication tools (website, newsletters and technical magazines sent every two months to about 2000 winegrowers from the South West).

## B - POST-HARVEST PROCESSING UNITS & OTHERS

### CHAPTER B0: General information

ID.	Requisite	Data
B01	Contact person (name, email)	Carole FEILHES
B02	Unit name	IFV South West
B03	Address and Country	IFV 1920 route de Lisle/Tarn 81310 Lisle/Tarn France
B04	Experience in demonstration activities (years)	10
B05	Kind of units	

### CHAPTER B1: Structure of the unit

ID.	Requisite	Data
B11	Physical description of the unit (location, geographical data, etc...)	<p>V'Innopôle Sud-Ouest is equipped with two winemaking cellars: a cellar of micro-winemaking and a cellar of transfer recalling the scale of a particular cellar.</p> <p>The cellar of micro-vinifications is suitable to process volumes from 30 to 50 liters, from 50 to 80 kg of grapes. Each season, nearly 500 vinifications from various grape varieties and experimental sites are vinified at the V'innopôle Sud-Ouest in small stainless tanks.</p> <p>The cellar consists of a set of rooms whose temperature is adjustable between -4 ° C and + 30 ° C.</p> <ul style="list-style-type: none"> <li>• a chamber is regulated at 30 ° C for the vinification of red grapes (dimension 122 m<sup>2</sup>-capacity 200 vinifications)</li> <li>• one at 18 ° C for the fermentation of 54 m<sup>2</sup> white wines</li> <li>• one at 4 ° C used to receive the grapes and store them while waiting to be vinified</li> <li>• a malolactic fermentation chamber for red wines, regulated at 18 ° C</li> </ul> <p>All these rooms represent an area of 274 m<sup>2</sup>, almost half the surface of the cellar. The material used is adapted to the volumes and V'Innopole South West is equipped with a mini--destalker, an inert pneumatic mini-press and mini-filters.</p> <p>The transfer cellar is reminiscent of a particular cellar. The volume of the tanks is 30 to 50 hl. It allows to realize the change of scale of the micro-vinification from 30 to 50 liters with the real size test at the winemaker. All the tanks are equipped with thermoregulation system.</p>

## CHAPTER B2: Data about products/services

Requisite		Data		
Description of products, semi-products, service or any output of your process				
B21 Product	Production industry	Experimental Industry		
	Organic origin (unit)	ICM Origin (unit)	Organic origin (unit)	ICM Origin (unit)
Product 1	WINE	WINE	WINE	WINE
Total (ha)				

## CHAPTER B3: Description of processing and “technological” equipments

ID.	Requisite	Data
B31	Physical description of the unit (location, geographical data, etc...) (specify)	
	Adapted material for wine experimentation and small volumes	
B32	Equipment to apply new technologies in the process unit (specify):	
	Several materials and sensors	