

Domaine de Lamothe INP PURPAN

A - FARM

CHAPTER A0: General information

ID.	Requisite	Data
A01	Contact person (name, email)	Simon GIULIANO Cyrielle DESWARTE
A02	Farm name	Domaine de Lamothe INP PURPAN
A03	Address and Country	Chemin de Vallesvilles 31600 Seysses
A04	Experience in farm demonstration activities (years)	8 years
A05	Land drainage if yes, water collectors	<input type="checkbox"/> yes <input type="checkbox"/> yes
A06	Practicability of fields in case of rain	Depends on the amount of rainfall

CHAPTER A1: Structure of the farm

ID.	Requisite	Data
A11	Kind of soil (knowledge on soil analysis and composition)	<input type="checkbox"/> yes, for almost all the fields
A12	Soil slope	~0%
A13	Hedges and / or ecological infrastructures	<input type="checkbox"/> yes
A14	Stable grassland	<input type="checkbox"/> yes

CHAPTER A2: Focus on farm

ID.	Requisite	Data	
A21	Land without cultivation	Area (ha)	
	Total	Stable uncultivated grassland 10 ha	
A22	Arable crops	Organic farming Area (ha)	Integrated crop management farm (ICM) Area (ha)
	Maize		82 ha
	Wheat		67 ha
	Barley		6 ha
	Sunflower		32 ha
	Soybean		17 ha
	Alfafa		6 ha
	Total (ha)		210 ha

A26	Livestock	Breeding form	Approx num
	Dairy cow (Holstein)	Free-stall barns	2x60=120 lactating dairy cows Herd = 300 animals
	Laying hens	Free range with access to	2 x 3000 = 6000 hens

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 (mechanical and chemical weeding)
A33	Irrigation system(s) Please specify:	<input type="checkbox"/> yes 2 center-pivots, 4 irrigation guns, 1 frontal ramp)
A34	Equipment with remote control Please specify:	<input type="checkbox"/> no
A35	Livestock and pastures	<input type="checkbox"/> yes <input type="checkbox"/> yes (2 milking robots+ herd navigator lab)
	-Radio frequency ID -Automated milking, feeding, and monitoring systems	
A36	Precision farming facilities	One tractor equipped with RTK GPS system. The others can be equipped with a guide bar
	-Precision Application technologies (If yes specify)	X yes Row-crop cultivator equipped with a localized pesticide application system. Seeder equipped with a localized pesticide application system.
	-Data acquisition technologies (If yes please specify):	X yes Water sensors, tensiometers, 1 meteorological station
	-Data analysis & evaluation technologies (If yes specify):	X Yes Collaboration with CESBIO for spatial analysis Combine harvest with mapping with data since 2001
	-Others (specify)	<input type="checkbox"/> yes <input type="checkbox"/> no

A37	<p>if the answer in A36 is “no”, do you have availability of data and information from private / public database?</p> <p>Please specify:</p>	<input type="checkbox"/> yes <input type="checkbox"/> no

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"/> yes depending of the fields
A43	Electrical generator availability	<input type="checkbox"/> yes
A44	Availability of tractors / machines equipped with GPS system	<input type="checkbox"/> yes depending on the tractors
A45	Availability of machines for harvest. If yes specify for which crop(s):	<input type="checkbox"/> yes Mowing machine for alfalfa
A46	Availability of refrigerated cells for storage and conservation	<input type="checkbox"/> yes but only for small samples
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
A50	Other devices, data, equipment availability Please specify:	<input type="checkbox"/> yes GPRS coverage on site

CHAPTER A5: Other conditions

ID.	Requisite	Data
A51	<p>Demo site profile:</p> <ul style="list-style-type: none"> - Implementation of a solution in living conditions simply with practical feedbacks - Experimentation and test of the solution with technical/scientific support and assessment feedbacks - Existence of a formalized service offer 	<p><input checked="" type="checkbox"/> yes <input type="checkbox"/> no</p> <p><input checked="" type="checkbox"/> yes <input type="checkbox"/> no</p> <p><input type="checkbox"/> yes <input checked="" type="checkbox"/> no</p>
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>	No
A53	<p>Availability of experienced staff to carry out and support field test trials</p> <p>How many experimentation/demonstration activities are developed on average /year?</p> <p>How many qualified experts (technicians/researchers) are available?</p>	<p><input checked="" type="checkbox"/> yes</p> <p>8 years</p> <p>6</p>
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
A58	<p>Presentation of the owner: introduction of the site and presentation of the owner motivation. Specify if your facility is already devoted to digital innovation testing</p>	

B - POST-HARVEST PROCESSING UNITS & OTHERS

CHAPTER B0: General information

ID.	Requisite	Data
B01	Contact person (name, email)	Loubnah Belhacen
B02	Unit name	Halle Agroalimentaire
B03	Address and Country	75 voie du TOEC BP 57611
B04	Experience in demonstration activities (years)	4 years
B05	Kind of units	Experimental and teaching unit that transform milk into various products (cheese, yogurts)

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

Requisite		Data		
Description of products, semi-products, service or any output of your process				
B2I Product	Production industry		Experimental Industry	
	Organic origin (unit)	ICM Origin (unit)	Organic origin (unit)	ICM Origin (unit)
Milk			Milk	Cheese, Yogurts
Total (ha)				
Particular standards / certification system (specify)				
Other useful details (specify and describe)	- Possibility to process other kind of products (bread, pasta, beer, ...)			

CHAPTER B3: Description of processing and “technological” equipments

ID.	Requisite	Data
B31	Physical description of the unit (location, geographical data, etc...) (specify)	
	<p>No post-harvest unit available on the site, except an experimental unit that transforms milk into cheese but not in a commercial way.</p> <ul style="list-style-type: none"> - Site very easily accessible (proximity with the highway) - Site with space to store machines - Presence of laboratories on the site - Employees largely used with experimental studies management: more than 500 subplots with a great range of various land cultivation (e.g. direct sowing, strip-till, ploughing, mechanical weeding,...). 3.5 people dedicated to conduct experimental studies on the site. - We are a University with 60 researchers that can bring their skills on large and various aspects from agronomy production, breeding up to food and feed production, marketing or innovation management - Experience in hosting innovation projects (e.g. with Agreenculture company in 2018) 	
B32	Equipment to apply new technologies in the process unit (specify):	
	A methanisation unit is present on the Domaine de Lamothe	