TEMPLATE FORM FOR THE DESCRIPTION OF DEMONSTRATION SITES

This form has to be filled by the owner of the farm and/or of the processing unit e/o others, in order to give useful information to SMEs in needs of facilities (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) | Dr. Evangelos Vergos  [vvergos@afs.edu.gr](mailto:vvergos@afs.edu.gr) |
| A02 | Farm name | AFS Educational Farm |
| A03 | Address and Country | 54 M. Antypa str. 570 01 Thermi, Greece |
| A04 | Experience in farm demonstration activities (years) | 115 |
| A05 | Land drainage  if yes, water collectors | X yes □ no  X yes □ no |
| A06 | Practicability of fields in case of rain | X yes □ no |

CHAPTER A1: Structure of the farm

|  |  |  |
| --- | --- | --- |
| ID. | Requisite | Data |
| A11 | Kind of soil (knowledge on soil analysis and composition) | X yes □ no |
| A12 | Soil slope | Approx % : 10% |
| A13 | Hedges and / or ecological infrastructures | X yes □ no |
| A14 | Stable grassland | * yes X no |

CHAPTER A2: Focus on farm

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ID. | Requisite |  | Data | | | |  |
| A21 | Land  without cultivation |  | Area (ha) 6 ha | | | |  |
|  | Total |  |  | | | |  |
| A22 | Arable crops |  | Organic farming  Area (ha) | | Integrated crop management farm (ICM)  Area (ha) | |  |
|  | Crop 1 |  |  | | Corn for silage | |  |
|  | Crop 2 |  |  | | Corn for grain | |  |
|  | Crop 3 |  |  | | SEED Barley | |  |
|  | … |  |  | | COTTON | |  |
|  | Total (ha) 110 |  |  | | Durum wheat, Legumes,  Herbs | |  |
| A23 | Vegetable crops |  | Open field | | Green house | |  |
|  |  |  | Organic  Area (ha) | ICM farm  Area (ha) | Organic  Area (ha) | ICM farm  Area (ha) |  |
|  | Crop 1 |  |  | 0.5 |  | 1 |  |
|  | Crop 2 |  |  |  |  |  |  |
|  | Crop 3 |  |  |  |  |  |  |
|  | … |  |  |  |  |  |  |
|  | Total (ha) 1.5 |  |  |  |  |  |  |
| A24 | Vine |  | Organic farming  Area (ha) | | ICM Farm  Area (ha) | |  |
|  | Total |  |  | | 1 | |  |
| A25 | Orchard |  | Organic farming  Area (ha) | | ICM Farm  Area (ha) | |  |
|  | Crop 1 |  |  | | Olives (9) | |  |
|  | Crop 2 |  |  | | Pomegranate (1) | |  |
|  | Crop 3 |  |  | | Various (1) | |  |
|  | … |  |  | |  | |  |
|  | Total (ha) 11 |  |  | |  | |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| A26 | Livestock |  | Organic | Others (Conventional) |  |
|  | Livestock 1 |  |  | **Cattle (220)** |  |
|  | Livestock 2 |  |  | **Turkeys (22.000)** |  |
|  | Livestock 3 |  |  | **Hens (21.000)** |  |
|  | **…** |  |  |  |  |
|  | Total |  |  |  |  |
| A27 | Other (specify) |  | Area (ha) Waste management unit (4) | |  |
|  | Total 4 |  |  | |  |

CHAPTER A3: Description of farm equipment

|  |  |  |
| --- | --- | --- |
| **ID.** | **Requisite** | **Data** |
| A31 | Machines for soil tillage | X yes □ no |
| A32 | Machines for weed control | X yes □ no |
| A33 | Irrigation system(s)  Please specify: | X yes □ no |
| Drip irrigation and accessories (in olive grove and in greenhouse) |  |
|  |  |
|  |  |
| A34 | Equipment with remote control  Please specify: | X yes □ no |
| Drones (with 2 NDVI cameras and a Sparying-15 liter tank) |  |
|  |  |
|  |  |
| A35 | Livestock and pastures   * Radio frequency ID * Automated milking, feeding, and monitoring systems | X yes □ no  X yes □ no |
| A36 | Precision farming facilities |  |
| * Precision Application technologies (If yes specify) | X yes □ no |
| From top to toe for seeding, harvesting, weed control, Qa, etc. |  |
|  |  |
| * Data acquisition technologies (If yes please specify): web based weather stations, field and aerialsensors, aeaewrial sensors | X yes □ no |
| PRECISON ANIMAL PRODUCTION CONTROL |  |
|  |  |
| * Data analysis & evaluation technologies (If yes specify): GIS software \* | X yes □ no |
|  |  |
|  |  |
| * Others (specify) Mapping and geostatistical software | * yes □ no |
|  |  |
|  |  |
| A37 | If the answer in A36 is “no”, do you have availability of data and information from private / public database?  Please specify: | * yes □ no |
|  |  |  |
|  |  |  |
|  |  |  |

CHAPTER A4: Description of facilities

|  |  |  |
| --- | --- | --- |
| ID. | Requisite | Data |
| A41 | Irrigation connections on field head | X yes □ no |
| A42 | Electricity in field availability | X yes □ no |
| A43 | Electrical generator availability | X yes □ no |
| A44 | Availability of tractors /  machines equipped with GPS system | X yes □ no |
| A45 | Availability of machines for harvest.  If yes specify for which crop(s): | X yes □ no |
| Cereals |  |
|  |  |
|  |  |
| A46 | Availability of refrigerated cells for storage and conservation | X yes □ no |
| A47 | Availability of mechanical workshop: fixing ups, soldering, etc. | X yes □ no |
| A48 | Availability of a storehouse with latch for equipment… | X yes □ no |
| A49 | Possibility of connection for data transmission (3G, 4G, others) a | X yes □ no |
| A50 | Other devices, data, equipment availability  Please specify: | X yes □ no |
| Slaughter house |  |
| Feeding meal |  |
| Food processing units  Hatchery  Snail production & processing  Mushroom production |  |

CHAPTER A5: Other conditions

|  |  |  |
| --- | --- | --- |
| ID. | Requisite | Data |
| A51 | Demo site profile:   * Implementation of a solution in living conditions simply with practical feedbacks * Experimentation and test of the solution with technical/scientific support and assessment feed-backs * Existence of a formalized service offer | X yes □ no  X yes □ no  X yes □ no |
| A52 | Conditioned access to particular equipment  (please specify)  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 | X yes □ no |
|  |  |
|  |  |
|  |  |
| A53 | Availability of experienced staff  to carry out and support field test trials | X yes □ no |
| How many experimentation/demonstration activities are developed on average /year? | in average 12 different programs covering plant and animal production |
| How many qualified experts (technicians/researchers) are available? | 32 |
| In case of field management by third part: | | |
| A54 | Possibility to lose part of the production based on reimbursement | * yes X no |
| A55 | Possibility to apply experimental protocols supplied by third parts | X yes □ no |
| A56 | Possibility to host visitors during tests | X yes □ no |
| A57 | Possibility to sign confidentiality contracts | X yes □ no |
| A58 | 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 | |
|  |  |

# 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) | 28 |
| B05 | Kind of units | Animal feed production, milk production and processing, poultry production and processing, cereal production, grape production, wine production, snail production and processing, mushroom production and processing, veg production, olive and oil production, pomegranates, by product processing, NPD. |

CHAPTER B1: Structure of the unit

|  |  |  |
| --- | --- | --- |
| ID. | Requisite | Data |
| B11 | Physical description of the unit  (location, geographical data, etc…)  Same as above | |
| Two farm locations. Campus educational farm of 50 ha east of Thessaloniki with variable cultivations, animal production, processing units, research and new product development laboratories; The Zannas research and educational farm of 85 ha west of Thessaloniki for arable farming, training and research. | |

CHAPTER B2: Data about products/services

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ID. | Requisite | | | | | Data | | | |
|  |  | | | | |  | | | |
| Description of products, semi-products, service or any output of your process | | | | | | | | | |
| B 21 | | B21 Product |  | Production industry | | | Experimental Industry | |  |
|  | |  |  | Organic origin (unit) | ICM  Origin (unit) | | Organic origin (unit) | ICM  Origin (unit) |  |
|  | | Product 1 |  |  | Processed milk into fresh pasterurized, cheese, yogurt | |  | New milk products |  |
|  | | Product 2 |  |  | Turkey meat | |  | Legume products |  |
|  | | Product 3 |  |  | Ω 3 EGGS | |  |  |  |
|  | | … |  |  | PASTA, HERBS, WINE | |  |  |  |
|  | | Total (ha) 135 |  |  |  | |  |  |  |
|  | | Particular standards / certification system (specify) |  | AGRO 2.1 - 2.2  GMO Control  ISO 14001  ISO 9001  ISO 22000 | | | | | |
|  | | Other useful details (specify and describe) |  | Waste management unit for composting and production of organic fertilizer | | | | | |

CHAPTER B3: Description of processing and “technological” equipments

|  |  |  |  |
| --- | --- | --- | --- |
| ID. | Requisite | | Data |
| B31 | Physical description of the unit (location, geographical data, etc…) (specify) | | |
|  | | |
|  |  | | |
|  |  | | |
| B32 | | Equipment to apply new technologies in the process unit (specify): | |
|  | Genomics labs , Krinos olive center, precision agriculture lab, crop physiology lab, | | |
|  | | |
|  | | |

CHAPTER B4: Description of facilities

|  |  |
| --- | --- |
| ID. | Requisite |
| B41 | 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 |
|  | Same as above |