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) | Thomas Byrne Thomas.byrne@teagasc.ie |
| A02 | Farm name | Kilworth |
| A03 | Address and Country | Moorepark east, Kilworth, Fermoy Co. Cork. P61 TW30 |
| A04 | Experience in farm demonstration activities (years) | 2 |
| A05 | Land drainage  if yes, water collectors | * yes ■ no * yes ■ no |
| A06 | Practicability of fields in case of rain | ■yes □ no |

CHAPTER A1: Structure of the farm

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

CHAPTER A2: Focus on farm

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ID. | Requisite |  | Data |  |
| A21 | Land without cultivation |  | Approx ha |  |
| A22 | Arable crops - Approx ha  Details ORGANIC INTEGRATED FARM CROP MGT  FARM  Crop 1  Crop 2  Crop 3 Crop X |  |  |  |
| A23 | Vegetable crops - Approx ha  Details OPEN FIELD GREENHOUSE  ORGANIC INTEGRATED ORGANIC INTEGRATED FARMING CROP MGT. FARMING CROP MGT.  FARM FARM  Crop 1  Crop 2  Crop 3 Crop X | | |  |
| A24 | Vine crops - Approx ha  Details ORGANIC INTEGRATED FARM CROP MGT  FARM  Crop 1 |  |  |  |
| A25 | Orchards – Approx ha  Details ORGANIC INTEGRATED FARM CROP MGT  FARM  Crop 1  Crop 2 |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
|  |  | Crop 3  Crop X |  |
| A26 |  | Livestock  Details Approx no. Breeding Organic  form breeding  (or other, please specify)  230  230  Holstein Friesian  cows  70  70  Jersey cows |  |
| A27 |  | Other (specify) | Approx ha 96 |

CHAPTER A3: Description of farm equipment

|  |  |  |
| --- | --- | --- |
| ID. | Requisite | Data |
| A31 | Machines for soil tillage | * yes ■ no |
| A32 | Machines for weed control | ■yes □ no |
| A33 | Irrigation system(s)  If yes what kind (specify) | * yes ■ no |
| A34 | Equipment with remote control (specify):  Lely automatic milking machine  Drafting gate | ■yes □ 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 | ■yes □ no  ■yes □ no |
| A36 | Precision farming facilities  If yes description (e.g.: GPS for straight line assistance, metereological stations, soil sensors, etc.) following the scheme:   * Precision Application technologies * Data acquisition technologies * Data analysis & evaluation technologies | ■yes □ no  Weather station nearby  Moo Monitor collars  Auto body condition scoring  Position sensors |
| A37 | If the answer in A36 is “no”: do you have availability of data and information from private / public database? Please specify | |
|  |  |  |

CHAPTER A4: Description of facilities

|  |  |  |
| --- | --- | --- |
| ID. | Requisite | Data |
| A41 | Irrigation connections on field head | * yes ■ no |
| A42 | Electricity in field availability | * yes ■ no |
| A43 | Electrical generator availability | * yes ■ no |
| A44 | Availability of tractors / machines equipped with GPS system | * yes ■ no |
| A45 | Availability of machines for harvest. If yes specify for which crop(s)  \_  \_ | * yes ■ no |
| A46 | Availability of refrigerated cells for storage and conservation | ■yes □ no |
| A47 | Availability of mechanical workshop: fixing ups, soldering, etc. | * yes ■ no |
| A48 | Availability of a storehouse with latch for equipment… | ■yes □ no |
| A49 | Availability of optical fibre / 4G connection for data transmission | ■yes ❒ no |
| A410 | Other availability (e.g., GPRS coverage on site, etc.) | GPRS coverage available |
|  |  |  |

CHAPTER A5: Others conditions

|  |  |  |
| --- | --- | --- |
| ID. | Requisite | Data |
| A51 | Access site – (The cost will be quantified case by case) | ■yes □ 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 lows. not clear | * yes ■ no |
| A53 | Availability of staff experienced to carry on and support field test trials – (The cost will be quantified case by case) | ■yes □ no |
| In case of field management by third part: | | |
| A54 | Availability to lose part of the production based on reimbursement | * yes ■ no |
| A55 | Availability to apply experimental protocols supplied by third parts | ■yes □ no |
| A56 | Availability to host visitors during tests | ■yes □ no |
| A57 | Availability to sign confidentiality contracts | ■yes □ no |
| A58 | Presentation of the owner: introduction of the site and presentation of the owner motivation The Kilworth research farm is a pasture based dairy farm which is owned and operated by Teagasc. The facility milks both Holstein-Friesian and Jersey cows in an automatic milking machine and a 20 unit herringbone milking parlor. A wide array of experiments are conducted on farm each year. In the past, Kilworth has been used as an experimental station for various technologies and would like to stay at the forefront of the ag-tech sector. | |
|  |  |  |

# 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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| P R O D U C T I O N I N D U S T R Y | | |  |  |  |
| 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 /// |  | /// |

|  |  |  |
| --- | --- | --- |
| ID. | Requisite | Data |
| B21 | Description of products, or semi-products, or service or everything it is for you the output of your process  I N D U S T R Y | |
| 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 that one) |