

## 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)                        | Yiorgos Kokkinos,<br><a href="mailto:gkokkinos3@gmail.com">gkokkinos3@gmail.com</a>  |
| A02 | Farm name   |  |
| A03 | Address and Country                                 | Chora Messinias, Greece  |
| A04 | Experience in farm demonstration activities (years) | 5  |
| A05 | Land drainage<br>if yes, water collectors           | <input type="checkbox"/> yes <input checked="" type="checkbox"/> no<br><input type="checkbox"/> yes <input checked="" type="checkbox"/> no |
| A06 | Practicability of fields in case of rain            | <input type="checkbox"/> yes <input checked="" 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 % : <b>15%</b>   |
| A13 | Hedges and / or ecological infrastructures                | <input checked="" type="checkbox"/> yes <input 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 | Area (ha)                 |                    |   |                    |
|     | Total                    |                           |                    |   |                    |
| A22 | Arable crops             | Organic farming Area (ha) |                    | Integrated crop management farm (ICM) Area (ha) |                    |
|     | Crop 1                   |                           |                    |   |                    |
|     | Crop 2                   |                           |                    |   |                    |
|     | Crop 3                   |                           |                    |   |                    |
|     | ...                      |                           |                    |   |                    |
|     | Total (ha)               |                           |                    |   |                    |
| A23 | Vegetable crops          | Open field                |                    | Green house                                     |                    |
|     |                          | Organic Area (ha)         | ICM farm Area (ha) | Organic Area (ha)                               | ICM farm Area (ha) |
|     | Crop 1                   |                           |                    |   |                    |
|     | Crop 2                   |                           |                    |   |                    |
|     | Crop 3                   |                           |                    |   |                    |
|     | ...                      |                           |                    |   |                    |
|     | Total (ha)               |                           |                    |   |                    |
| A24 | Vine                     | Organic farming Area (ha) |                    | ICM Farm Area (ha)                              |                    |
|     | Total                    |                           |                    |   |                    |
| A25 | Orchard                  | Organic farming Area (ha) |                    | ICM Farm Area (ha)                              |                    |
|     | Crop 1                   | Olive Groves (8 ha)       |                    |   |                    |
|     | Crop 2                   |                           |                    |   |                    |
|     | Crop 3                   |                           |                    |   |                    |
|     | ...                      |                           |                    |   |                    |
|     | Total (ha)               |                           |                    |   |                    |



| A26 | Livestock       | Organic   | Others (please specify) |
|-----|-----------------|-----------|-------------------------|
|     | Livestock 1     |           |                         |
|     | Livestock 2     |           |                         |
|     | Livestock 3     |           |                         |
|     | ...             |           |                         |
|     | Total           |           |                         |
| A27 | Other (specify) | Area (ha) |                         |
|     | Total           |           |                         |

CHAPTER A3: Description of farm equipment

| ID. | Requisite   | Data   |
|-----|---|--|
| A31 | Machines for soil tillage   | <input checked="" type="checkbox"/> <b>yes</b> <input type="checkbox"/> no |
| A32 | Machines for weed control   | <input checked="" type="checkbox"/> <b>yes</b> <input type="checkbox"/> no |
| A33 | Irrigation system(s)<br>Please specify: Drip Irrigation   | <input checked="" type="checkbox"/> <b>yes</b> <input type="checkbox"/> no |
|     |   |  |
|     |   |  |
| A34 | Equipment with remote control<br>Please specify:  | <input type="checkbox"/> yes <input checked="" type="checkbox"/> <b>no</b> |
|     |   |  |
|     |   |  |
| A35 | Livestock and pastures  |  |
|     | - Radio frequency ID  | <input type="checkbox"/> yes <input checked="" type="checkbox"/> <b>no</b> |
|     | - Automated milking, feeding, and monitoring systems  | <input type="checkbox"/> yes <input checked="" type="checkbox"/> <b>no</b> |
| A36 | Precision farming facilities  |  |
|     | - Precision Application technologies (If yes specify) Weather station   | <input checked="" type="checkbox"/> <b>yes</b> <input type="checkbox"/> no |
|     |   |  |
|     | - Data acquisition technologies (If yes please specify): data logger with GPRS  | <input checked="" type="checkbox"/> <b>yes</b> <input type="checkbox"/> no |
|     |   |  |
|     | - Data analysis & evaluation technologies (If yes specify):   | <input type="checkbox"/> yes <input checked="" type="checkbox"/> <b>no</b> |
|     |   |  |
|     | - Others (specify)  | <input type="checkbox"/> yes <input checked="" type="checkbox"/> <b>no</b> |
|     |   |  |
| A37 | If the answer in A36 is "no", do you have availability of data and information from private / public database?<br>Please specify: | <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            | <input checked="" type="checkbox"/> no |
| A42 | Electricity in field availability  | <input type="checkbox"/> yes            | <input checked="" type="checkbox"/> no |
| A43 | Electrical generator availability  | <input type="checkbox"/> yes            | <input checked="" 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.<br>If yes specify for which crop(s): <b>Vibrator</b> | <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 type="checkbox"/> yes            | <input checked="" type="checkbox"/> no |
| A49 | Possibility of connection for data transmission (3G, 4G, others) a                         | <input type="checkbox"/> yes            | <input checked="" type="checkbox"/> no |
| A50 | Other devices, data, equipment availability<br>Please specify:                             | <input type="checkbox"/> yes            | <input checked="" type="checkbox"/> no |
|     |  |   |  |
|     |  |   |  |

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 feedbacks</li> <li>-Existence of a formalized service offer</li> </ul> | <input checked="" type="checkbox"/> <b>yes</b> | <input type="checkbox"/> no                   |
|   |  | <input type="checkbox"/> yes                   | <input checked="" type="checkbox"/> <b>no</b> |
|   |  | <input type="checkbox"/> yes                   | <input checked="" type="checkbox"/> <b>no</b> |
| 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"/> yes                   | <input checked="" type="checkbox"/> <b>no</b> |
|   |  |  |   |
|   |  |  |   |
| A53   | <p>Availability of experienced staff to carry out and support field test trials</p>  | <input type="checkbox"/> yes                   | <input checked="" type="checkbox"/> <b>no</b> |
|   | <p>How many experimentation/demonstration activities are developed on average /year?</p>   |  |   |
|   | <p>How many qualified experts (technicians/researchers) are available?</p>   |  |   |
| <p>In case of field management by third part:</p> |  |  |   |
| A54   | <p>Possibility to lose part of the production based on reimbursement</p>   | <input type="checkbox"/> yes                   | <input checked="" type="checkbox"/> <b>no</b> |
| A55   | <p>Possibility to apply experimental protocols supplied by third parts</p>   | <input checked="" type="checkbox"/> <b>yes</b> | <input type="checkbox"/> no                   |
| A56   | <p>Possibility to host visitors during tests</p>   | <input checked="" type="checkbox"/> <b>yes</b> | <input type="checkbox"/> no                   |
| A57   | <p>Possibility to sign confidentiality contracts</p>   | <input checked="" type="checkbox"/> <b>yes</b> | <input type="checkbox"/> no                   |
| 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>   |  |   |

Yiorgos KOKKINOS, is member and the CEO of Nileas. He has studied Economics while in 1995 he began to work professionally as a farmer by initially joining a Young Farmers Program with main activity olive cultivation. In 1998 he re-established the Agricultural Cooperative of Chora Messinia, which was founded in 1931. The year 2001 is a turning point in his career as farm manager and producer, because of the establishment of the producer group NILEAS which was a pioneering experiment for the Greek cooperative scene in the olive cultivation area. He manages and cultivates more than 30 ha of organic olive groves, pursuing the adoption and implementation of new cultivating techniques for enhancing the quality and quantity of the final product. He is searching for precision farming tools in order to optimize his cultivation practices. It's collaboration with various Institutes and academia like Benaki Phytopathological Institute and the Agricultural University of Athens, is helping efficiently upgrading it's good farming practices.



## B - POST-HARVEST PROCESSING UNITS & OTHERS

### CHAPTER B0: General information

| ID. | Requisite                                      | Data  |
|-----|--|---|
| B01 | Contact person (name, email)                   | Yiorgos Kokkinos,<br><a href="mailto:gkokkinos3@gmail.com">gkokkinos3@gmail.com</a> |
| B02 | Unit name                                      |   |
| B03 | Address and Country                            | Chora Messinias, Greece   |
| B04 | Experience in demonstration activities (years) | 5   |
| B05 | Kind of units                                  | Olive Groves and Olive Oil Production   |

### CHAPTER B1: Structure of the unit

| ID. | Requisite   | Data  |
|-----|---|---|
| B11 | Physical description of the unit<br>(location, geographical data, etc...) |   |
|     |   | The olive grove fields can be found around the area of Chora Messinias (37.0495347 Latitude, 21.7192092 Longitude). The fields are at different elevation level from the seas (from 210 meters up to 350 m) and help produce olives of very high quality. The main olive variety that is cultivated in the parcels is the Koroneiki variety which is one of the most well known varieties for the production of very high olive oil quality. The second largest variety that is cultivated in the region is Mavrolia. |



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   | Olives  |                       |                       |                   |
| Product 2   |   |                       |                       |                   |
| Product 3   |   |                       |                       |                   |
| ...   |   |                       |                       |                   |
| Total (ha)  |   |                       |                       |                   |
| Particular standards / certification system (specify)                         | <b>Certifications for organic cultivation</b> |                       |                       |                   |
| Other useful details (specify and describe)                                   |   |                       |                       |                   |

CHAPTER B3: Description of processing and "technological" equipments

| ID. | Requisite   | Data |
|-----|---|------|
| B31 | Physical description of the unit (location, geographical data, etc...)<br>(specify) |      |
|     |   |      |
|     |   |      |
| B32 | Equipment to apply new technologies in the process unit (specify):                  |      |
|     |   |      |
|     |   |      |

CHAPTER B4: Description of facilities

| ID. | Requisite   |
|-----|---|
| B41 | Presentation of the owner:<br>introduction of the site and presentation of the owner motivation.<br>Specify if your facility is already devoted to digital innovation testing |
|     |   |