

# STAGES AND TIME FRAMES

## 1. Stages of farm development

Development is divided into three main stages:

### Planning

- \* Soil analysis and identification of available resources.
- \* Definition of economic, ecological and societal priorities.
- \* Budgeting and seeking funding.
- \* Mapping of areas for infrastructure and crops.
- \* Collaboration with local initiatives (music application, solar tractor).

### Implementation

- \* Construction of main infrastructure (warehouses, irrigation, solar panels).
- \* Launch of the first crops with sustainable techniques.
- \* Installation of sensors to monitor soils and crops.
- \* Deployment of the music application to motivate and raise awareness.

### Scaling

- \* Diversification of crops and production of processed products (e.g. cowpea flour).
- \* Adoption of advanced technologies (IoT for automation).
- \* Organization of educational and cultural events (agricultural festivals).
- \* Expansion of activities: export, reception of visitors, training.

## 2. Timetables for each stage

Duration	Stage	Key activities
Short-term	Planning (0-6 months)	<ul style="list-style-type: none"><li>- Analysis of soils and resources.</li><li>- Define priorities and objectives.</li><li>- Develop a budget and seek funding.</li><li>- Collaborate with the demonstrators to integrate their projects.</li></ul>

<b>Medium term</b>	<b>Implementation (6 months-1 years)</b>	<ul style="list-style-type: none"> <li>- Construction of key infrastructure (warehouses, irrigation, solar panels).</li> <li>- Planting of the first crops.</li> <li>- Installation of sensors to monitor the soil.</li> <li>- Deployment of the music app to motivate workers.</li> </ul>
<b>Long-term</b>	<b>Scale-up (1-3 years)</b>	<ul style="list-style-type: none"> <li>- Diversification of crops and processing of products.</li> <li>- Automation with IoT.</li> <li>- Organization of educational and cultural events.</li> <li>- Welcoming visitors and extending activities.</li> </ul>

### 3. Timetable integrated into objectives and demonstrators

Time	Main activities	Economic objectives	Ecological objectives	Societal objectives	Integrated demonstrators
<b>0-6 mois</b>	<ul style="list-style-type: none"> <li>- Soil and resource analysis.</li> <li>- Initial training of workers.</li> <li>- Infrastructure planning.</li> </ul>	<ul style="list-style-type: none"> <li>- Identify funding.</li> <li>- Prepare future income with sustainable practices.</li> </ul>	<ul style="list-style-type: none"> <li>- Plan systems to minimize the ecological footprint.</li> <li>- Preserve soils.</li> </ul>	<ul style="list-style-type: none"> <li>- Raise awareness among workers about sustainable practices.</li> <li>- Introduce educational songs.</li> </ul>	<ul style="list-style-type: none"> <li>- Musical application (training).</li> </ul>
<b>6 mois - 1 ans</b>	<ul style="list-style-type: none"> <li>- Construction of warehouses and installation of solar panels.</li> <li>- Planting of the first crops.</li> <li>- Start of harvests and processing.</li> </ul>	<ul style="list-style-type: none"> <li>- Generate income with the first harvests.</li> <li>- Invest in advanced systems.</li> </ul>	<ul style="list-style-type: none"> <li>- Use renewable energy and manage water efficiently.</li> </ul>	<ul style="list-style-type: none"> <li>- Promote social cohesion with educational activities.</li> <li>- Strengthen local culture with musical application.</li> </ul>	<ul style="list-style-type: none"> <li>- Musical application (motivation).</li> <li>- Solar tractor.</li> <li>- Soil sensors.</li> </ul>
<b>1-3 ans</b>	<ul style="list-style-type: none"> <li>- Diversification of crops.</li> <li>- Automation with IoT.</li> <li>- Organization of festivals and trainings.</li> </ul>	<ul style="list-style-type: none"> <li>- Diversify products for new markets.</li> <li>- Expand international activities.</li> </ul>	<ul style="list-style-type: none"> <li>- Create a sustainable ecosystem with biodiversity zones.</li> <li>- Optimize agricultural waste.</li> </ul>	<ul style="list-style-type: none"> <li>- Transform the farm into an educational and cultural center.</li> <li>- Attract visitors through innovative events.</li> </ul>	<ul style="list-style-type: none"> <li>- Festivals via the music application.</li> <li>- IoT and automation.</li> </ul>