

BECKON: Boosting Energy Communities massive deployment by equipping local authorities with comprehensive technical assistance cooKboOk, integrated services and capacity buildiNg

CookBook or Guidance Book

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Content

Content

1. Project overview
2. One-Stop-Shop (OSS) & Technical Assistance Cookbook
3. Next steps: Call to participation

BECKON: Boosting Energy Communities massive deployment by equipping local authorities with comprehensive technical assistance cooKboOk, integrated services and capacity buildINg



BECKON	WorkPackage name
WP1	Comprehensive cookbook for technical assistance
WP2	Capacity Building via Train the Trainers
WP3	Integrated services through One-Stop-Shop platform
WP4	Demonstration & Validation in supramunicipal areas
WP5	Mass-replication, exploitation, dissemination and communication
WP6	Coordination & management



2. One - Stop - Shop

One stop shop will have 3 different sections.
Focused on energy agencies, energy offices, other promoters.

Knowledge
Hub

Training
Hub

- Transversal modules
- Common to all pilots
- Translation in local languages

Opportunity
Hub

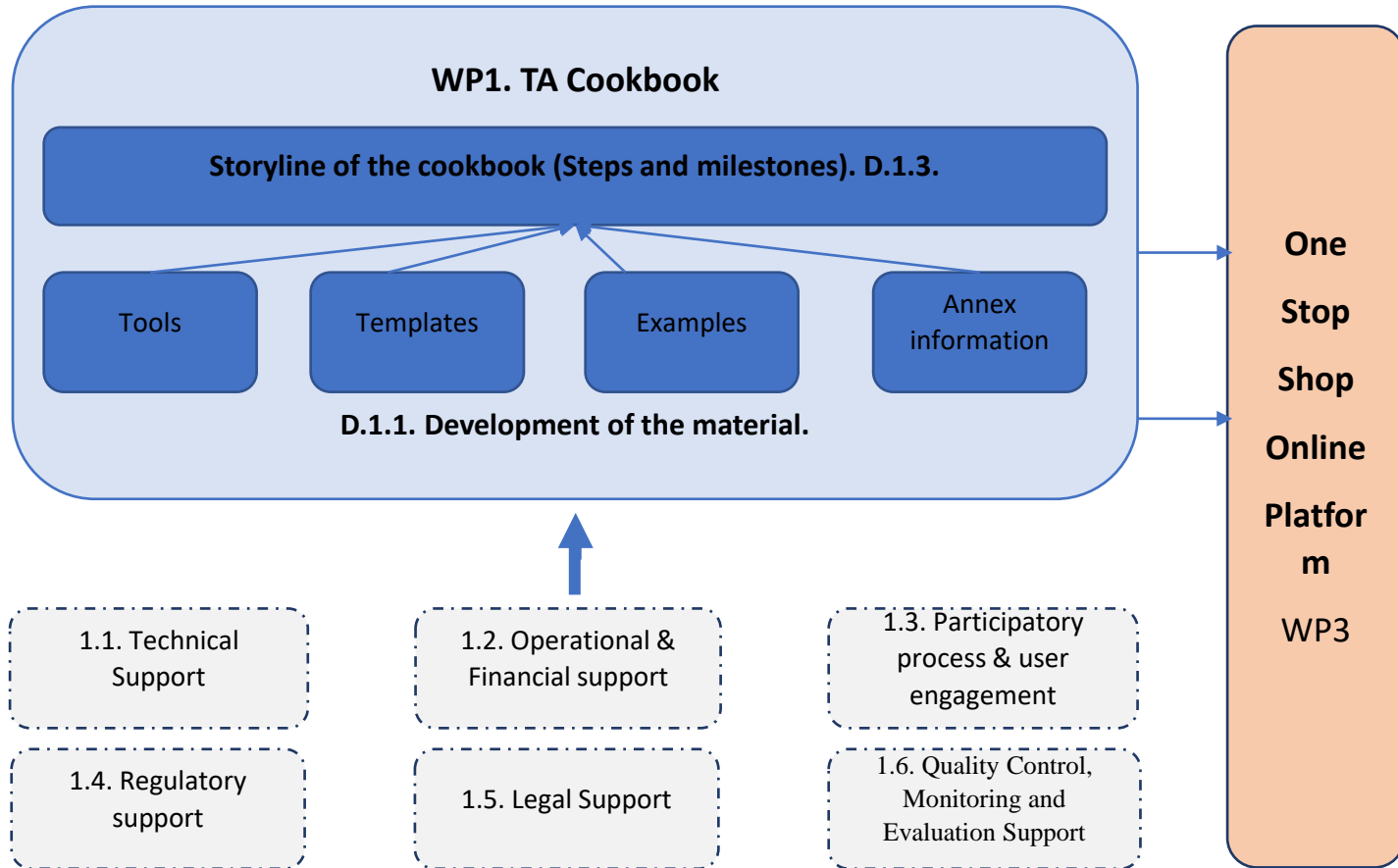
- Specific Module for each demonstrator / country
- 2 Administrators for each pilot

3. TA Cookbook: Premises

Fundamental premises to be taken into account in the TA Cookbook:

- **Continuous changes** in regulation, tools, material available, etc.
 - **Digital platform based on links** that facilitates to **update the supporting** material easily.
 - **Avoid static guidelines.**
- **Complex topic: Facilitate the understanding** and simplifies implementation)
 - Make a **self-explanatory structure.**
 - Use of a **storyline** – phases structure for the cookbook.
- *Message Project Officer: **Avoid duplication of existing material.***
 - Make as much use as possible use of the **existing material** (from other projects).
 - Create only the missing material.

3. TA Cookbook: Information



3. TA Cookbook: Scope

Fundamental: Differences between the **EC as LEGAL ENTITY** and the **ACTIVITIES of the EC**.
Activity focus in LIFE - BECKON: **Collective Self-Consumption**.

The energy
community as “legal
entity”

The activities of the Energy Community

Collective Self-consumption

Electricity Generation

Building & neighborhood

Implementation of Energy

Collective Energy

Energy Poverty Policy Mngt

EV charging infrastructure

Shared/Community

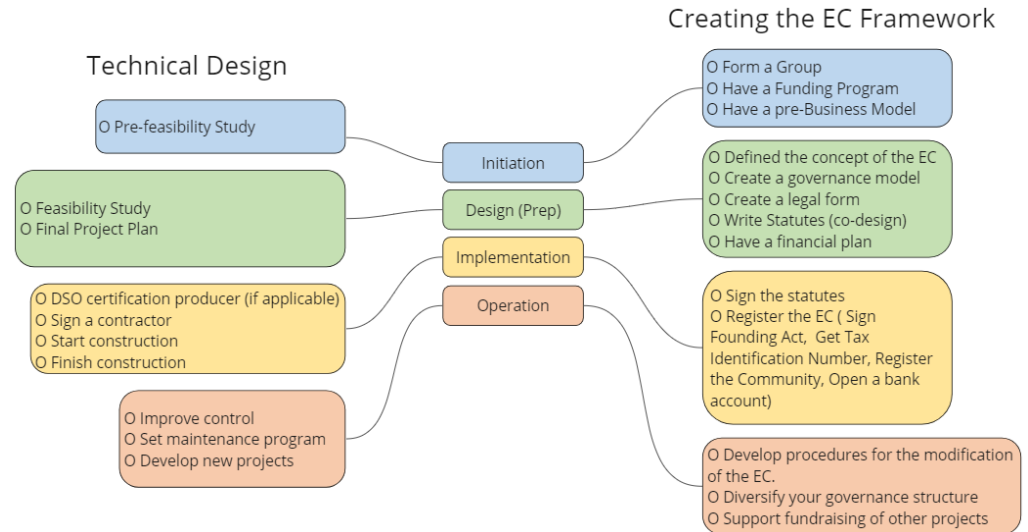
District Heating / Cooling

Energy Utility

3. TA Cookbook: Approach

BLOCK	INITIATION	DESIGN	IMPLEMENTATION	OPERATION
LEGAL ENTITY	Initial ideas (2 pager)	Develop business plan	Implement EC and establish statutes	Manage and operate EC
SELF-CONSUMPTION INSTALLATION	Pre assessment of potential installations	Design collective self- consumption system	Obtain permits and instal, legalise installation	Develop and operate PV installation. Monitor, control, and maintain installation

Creation of EC and CSC in 4 PHASES



3. TA Cookbook: Approach

Organization: 4 PHASES / THEMES (underlined) / STEPS

BLOCK	INITIATION	DESIGN	IMPLEMENTATION	OPERATION
LEGAL ENTITY	<p><u>Inspiration:</u></p> <ul style="list-style-type: none"> - Database with Energy Community examples for inspiration <p><u>Setting up the first idea:</u></p> <ul style="list-style-type: none"> - 2 pager document summing up initial idea. 	<p><u>Defining the activities and business case</u></p> <ul style="list-style-type: none"> - Business plan: Provision of a basic template and identification of business plan examples. - EC Concept: Definition of goals, scope & activities through participatory processes. - Definition of key actors, their <u>roles</u> and responsibilities in terms of legal practices. - Selection of the type of legal entity (association, cooperative, etc.). - Description of legal and regulatory context of the energy of communities for BG, DK, SP. <p><u>Financials:</u></p> <ul style="list-style-type: none"> - Financial models for ECs and installations. - Identification of support programs for the EC and the PV installation in the countries of interest (financial/tax levies, grants, etc.). - Feasibility of the project: Estimation of costs and revenues of the project. Feasibility study. <p><u>Engagement:</u></p> <ul style="list-style-type: none"> - Attraction of potential participants. - Template for creation of the web. <p><u>Participatory process:</u></p> <ul style="list-style-type: none"> - Defining the participatory process. 	<p><u>Implementation of the legal entity:</u></p> <ul style="list-style-type: none"> - Support for procurement (administration services). - List of suppliers. - Definition of statutes. - <p><u>Control:</u></p> <ul style="list-style-type: none"> - Q&C checklist for Energy Community implementation 	<p><u>Operation of the EC:</u></p> <ul style="list-style-type: none"> - Operational: Documents for regular actions to be carried out. - Financial: Balance sheet for income and expenditures. <p><u>Modification & Termination</u></p> <ul style="list-style-type: none"> - <p><u>Control:</u></p> <ul style="list-style-type: none"> - Q&C checklist and standards for the operation of the energy community. - M&E support. for the operation of the EC. Objectively Verifiable Indicators.

3.TA Cookbook: Approach

Organization: 4 PHASES / THEMES (underlined) / STEPS

<p>SELF CONSUMPTION INSTALLATION</p>	<p><u>Initial estimation:</u></p> <ul style="list-style-type: none">- Quick estimation of generation potential & consumption: Identification of main spots for installations and potential consumers. (Results will be included in the "predefinition of the concept" section).	<p><u>Design Self-consumption project:</u> Technical Assistance tool:</p> <ul style="list-style-type: none">- Define expected KPIs: Quick investment, savings, ROI.- Dimensioning & technological selection.- Generation consumption balance.- Techno-economic analysis. <p><u>Licensing and permitting:</u></p> <ul style="list-style-type: none">- Licensing and permitting process. <p><u>Regulatory context:</u></p> <ul style="list-style-type: none">- Summary of National regulation for self-consumption. <p><u>Monitoring:</u></p> <ul style="list-style-type: none">- Set-up optimal metering infrastructure and pricing to guarantee proper p2p exchange and self-consumption	<p><u>Technical assistance tool: Implementation</u></p> <ul style="list-style-type: none">- Project installation and legalisation process.- Procurement process for PV installers.- Q&C: Checklist of steps PV installation construction and legalisation.- Quality and control for the implementation.	<p><u>Technical assistance tool: Operation.</u></p> <ul style="list-style-type: none">- Operation and maintenance instructions.- Balance sheet: Generation and consumption.- Monitoring of the PV installation.
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3. TA Cookbook: Approach

Organization: 4 PHASES / THEMES (underlined) / STEPS

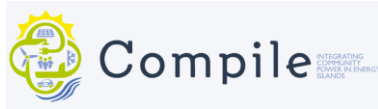
<p>Setting up the first idea</p>	<p><u>2 pager summary</u> of the initial idea: Quick questioner.</p>	<p>- <u>2 pager summary to define the initial idea</u>: Quick questionnaire containing the main questions to specify the initial ideas of the promoters. The goal is to use the outcome 2 pager document to be shared to other key stakeholders, such as other citizens, public administration, etc.</p> <p>- <u>UK introductory guide to community energy for local authorities</u>: A UK report explaining how to make the first steps from a local authority perspective.</p>
<p>Definition of the energy community</p>	<p><u>Development of a business plan</u></p> <p><u>EC Concept: Definition of goals, scope & activities through participatory processes</u></p>	<p>- <u>Business Plan Template</u>. Business plan template example organizing the main chapters a business plan should contain. The content for the different chapters of this document shall be developed using the results of the different steps described in the Design Phase of the TA CookBook, developed LIFE-BECKON Project, or other similar tools and supporting material.</p> <p>- <u>Investment Concept Template</u> is developed by the European City Facility. The main focus is to develop a plan in order to get investment funds for Energy Communities.</p> <p>- <u>LECo Business Development Model</u>: Summary of main concepts a business model should contain, developed in the LECo project. The model can be used as a starting point for developing a business plan, on a step-by-step approach.</p> <p>- <u>Compile Stakeholder Analysis</u>: Report / guide developed under the EU Compile project, that helps define different aspects of the EC concept. It offers several tools to comply with topics necessary.</p> <p>- The Compile <u>Stakeholder handout (Chp 2)</u>: It describes how to form a group and discuss the main ideas and the important questions to set the goals of the ECs. This document recommends the use of the <u>Future Radar</u> tool from Climate KIC initiative.). This tool is a 60-90 minutes exercise to perform as a group and plan actions required to achieve a given goal in the EC.</p>

Beckon documents

External project documents

3. TA Cookbook: Approach

External project sources.



Draft version of supporting material:

We are still open for new material that might be used.

You are more than welcome to include your project information in the system!