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WESHARE

Business Energy Collaboration

D2.3 MONITORING AND EVALUATION PLAN

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Authored by: Anna Rita Giacobelli, Angelo Giordano, Alessandra Cassisi, Giulia Verghini

Checked by: Isabel Rodríguez (ENA), Cristina Daniel (ENA), Vilte Kaminskaite (LOW)

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OVERVIEW	
Project Acronym	WESHARE
Project Title	Empowering businesses to develop energy community models for a successful energy transition.
Project Coordinator	RIMOND SRL
Project Duration	36 months
Deliverable Title	Monitoring and evaluation plan
Deliverable No.	D2.3
Dissemination Level	Sensitive
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Deliverable Lead	RIMOND SRL
Lead Authors	Anna Rita Giacobelli, Angelo Giordano, Alessandra Cassisi, Giulia Verghini
Main Contributor Authors	-
Other Contributors	-
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Reviewers	Isabel Rodríguez (ENA), Cristina Daniel (ENA), Vilte Kaminskaite (LOW)

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Table of acronyms	
EU	European Union
EC	European Commission
WP	Work Package
WPL	Work Package Leader
CET	Clean Energy Transition
FRP	Financial reporting period
RIMO	RIMOND SRL
GISA	GETAFE INICIATIVAS SA
ENA	AGENCIA DE ENERGIA E AMBIENTE DA ARRABIDA
aGP	AICEP GLOBAL PARQUES
ZUID	ZUIDTRANT

POM	PROVINCIALE ONTWIKKELINGSMAATSCHAPPIJ ANTWERPEN
BM	Business Model
GENE	GENERA GROUP
LOW	LOW ASSOCIATES BRUSSELS
KPI	Key Performance Indicators
C&D	Communication & Dissemination
D	Deliverable
T	Task
EC	Energy Community
PM	Person -Month
GA	General Assembly
GHG	Greenhouse gas
PC	Project Coordinator
GA	Grant Agreement

Deliverable Review table		
Version 1	19/12/2024	ENA (Isabel Rodríguez and Cristina Daniel)
Version 2	30/12/2024	LOW ASSOCIATES BRUSSELS (Vilte Kaminskaite)

EXECUTIVE SUMMARY

The **WESHARE Monitoring and Evaluation Plan** outlines a comprehensive framework to track the project's progress and assess its impact in fostering energy collaboration across European business parks. WESHARE supports the Clean Energy Transition (CET) by facilitating the establishment of business energy communities, which aim to reduce dependence on fossil fuels, enhance energy efficiency, and decrease carbon emissions. The project includes three pilot sites located in Belgium, Spain, and Portugal, offering scalable and replicable models for further implementation across other regions.

Objectives

The monitoring and evaluation plan has three primary objectives:

- **Monitoring Progress:** A structured methodology is employed to track project milestones, ensuring alignment with Key Performance Indicators (KPIs) and compliance with the Grant Agreement.
- **Impact Assessment:** A combination of top-down and bottom-up approaches will be used to define, measure, and refine the KPIs, which will assess the environmental, economic, social, and technological impacts of the energy community initiatives.
- **Replication and Sustainability:** The plan includes efforts focused on scaling project outcomes beyond the pilot sites, influencing European Union energy policies and legislative frameworks to ensure long-term sustainability.

Key Components

The following key components are integral to the WESHARE project:

- **Work Breakdown Structure (WBS):** Tasks and deliverables are organized across six work packages, including management, business models, stakeholder engagement, and communication strategies.
- **Performance Indicators (KPIs):** Defined at various levels—city, district, and intervention—to monitor renewable energy integration, energy savings, and stakeholder engagement.
- **Quality Assurance:** A robust review process ensures deliverables meet high standards and adhere to project timelines.
- **Impact Categories:** The plan addresses financial, spatial, thematic, and societal dimensions to foster investment, replication, and collaboration among stakeholders.

Expected Outcomes

The WESHARE project aims to deliver significant results:

- **Renewable Energy Production:** The project is expected to generate 11 GWh per year from renewable sources.
- **Energy Savings:** Energy savings of 2.3 GWh per year are anticipated.
- **CO2 Emission Reduction:** The project will reduce CO2 emissions by approximately 2,000 tonnes annually.
- **Scalable Business Models:** The project will develop business models for energy communities that can be replicated across Europe.

- **Stakeholder Capacity Building:** Enhanced collaboration and capacity-building among stakeholders will support the transition to sustainable energy solutions.

Strategic Vision

WESHARE seeks to bridge gaps in existing energy community legislation and business practices by promoting integrated strategies for clean energy adoption. Through its pilot projects and collaborative methodologies, the initiative provides actionable insights for policymakers and business leaders, paving the way for a carbon-neutral future.

WESHARE OVERVIEW

WESHARE supports the Clean Energy Transition (CET) of European business parks by promoting collaborative energy approaches among companies. The consortium has developed a comprehensive set of knowledge-based tools that provide valuable insights into the energy collaboration potential of business parks. By unlocking the energy transition of business parks, the project partners are creating innovative and scalable cooperative solutions. These solutions facilitate the establishment of energy communities, enhance flexibility, and aim to reduce fossil fuel dependency while lowering carbon emissions.

In addition to these direct benefits, WESHARE offers indirect advantages, including the potential to attract institutional investors to complex and integrated renewable energy projects in business areas. The project also contributes to the European Union's 2050 climate neutrality strategy, accelerating the clean energy transition in business areas across Belgium, Spain, and Portugal. WESHARE's efforts will promote the scaling and replication of energy collaborative approaches throughout Europe.

This will be achieved through a series of activities organized into 23 tasks across six work packages. These tasks encompass stakeholder engagement activities, initially in three pilot locations and later expanded to a broader community. The activities also include project data collection, analysis, and benchmarking, as well as the testing and validation of three, nine, or twelve peer learning models within the pilots. Furthermore, the project will focus on the exploitation and dissemination of memoranda of understanding and three peer learning modules as tools for establishing and operating energy communities among businesses in close proximity.

By testing and validating peer learning modules in the three pilot regions—Belgium, Spain, and Portugal—WESHARE will engage key stakeholders in business areas, mobilizing nearly millions of euros in sustainable energy investments. This will potentially lead to an investment growth of five times the initial amount five years after the project's conclusion. Through these efforts, the project is expected to generate renewable energy production of approximately 11 GWh per year, achieve energy savings of 2.3 GWh per year, and reduce CO₂ emissions by around 2,000 tonnes annually.

WESHARE WORK BREAKDOWN STRUCTURE

This section outlines the Work Breakdown Structure (WBS) for the WESHARE project. Each Work Package (WP) includes a brief description, a Gantt chart detailing the activities, deliverables, and milestones during the First Reporting Period (FRP) from month 1 to month 17. The expected progress of each WP is expressed as a

percentage, and the number of Person-Months (PMs) consumed by the end of the FRP is calculated in a linear manner, taking into account the start and end dates of each task. Additionally, a table is provided outlining each partner's contribution per task, where applicable, based on the PMs assigned to them.

Partners in yellow are the Work Package Leaders (WPLs), while the task leader is highlighted in green.

WP1 Removing barriers for energy-community at business sites

The goal of this Work Package is to identify the barriers hindering the development of efficient and successful energy cooperation and collaborative approaches within the industrial sector. It seeks to develop and evaluate various proposals to eliminate legal, organizational, and social barriers that may prevent concrete cooperation initiatives at the DEMO sites.

In addition, WP1 aims to provide policy recommendations for EU legislation. These recommendations will be based on existing analyses of EU legislation and national adaptations specific to the DEMO sites. The policy recommendations will aim to support the adaptation of both EU and national energy cooperation legislation, ultimately facilitating the replication of successful energy cooperation models across EU member states.

Gantt Chart and deliverables

WP1 is composed by 3 Tasks and 3 correlated deliverables:

Task	Task Name	Deliverable	Del. Name	Lead Beneficiary	Contributors
T1.1	Repository of the existing Framework for Energy cooperation in the industrial sector	D1.1	Repository of the existing framework for energy cooperation in the industrial sector	ZUID	ZUID, ENA, GISA, RIMO, GENA, AGP
T1.2	Opportunities for successful cooperation initiatives between companies	D1.2	Evaluation report of the opportunities for energy cooperation in the industrial sector	ZUID	-
T1.3	Legal framework for Energy cooperation in the industrial sector	D2.3	Recommendations for the EU and national legislation in support of energy cooperation in the industrial sector	POM	ZUID, ENA, GISA, RIMO, GENA, AGP

Table 1 WP1 Removing barriers for energy-community at business sites tasks

Followed by a WP1 calendar highlighting the deadline and updates:

	2024			2025												2026												2027									
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	
Deliverable	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	
D1.1						▲			▲																												
D1.2																		▲												▲							
D1.3																																					▲

Figure 1 WP1 Timetable

Project progress and efforts by task during FRP1

Expected Staff resources to be spent by the end of the project [PM]				
Partner name	Task 1.1	Task 1.2	Task 1.3	Planned Effort Completed
RIMO	2	1,5	0,5	4
ENA	0,5	0,5	2	3
GISA	0,25	0,25	0,5	1
POM	1	1	2	4
ZUID	4,5	5,5	4	14
AICEP	0,5	0,5	1	2
LOW	0,25	0,25	0,5	1
GENE	0,5	0,5	2	3

Figure 2 Total PM (36M)

Expected Staff resources to be spent by the end of RP1 [PM]				
Partner name	Task 1.1	Task 1.2	Task 1.3	Planned Effort Completed
RIMO	2,00	1,25	0,18	3,43
ENA	0,50	0,42	0,73	1,65
GISA	0,25	0,21	0,18	0,64
POM	1,00	0,83	0,73	2,57
ZUID	4,50	4,58	1,47	10,55
AICEP	0,50	0,42	0,37	1,28
LOW	0,25	0,21	0,18	0,64
GENE	0,50	0,42	0,73	1,65

Figure 3 RP1 PM (17M)

Expected advancement by end of FRP1				
Partner name	Task 1.1	Task 1.2	Task 1.3	Planned Effort Completed
RIMO	100%	83%	37%	86%
ENA	100%	83%	37%	55%
GISA	100%	83%	37%	64%
POM	100%	83%	37%	64%
ZUID	100%	83%	37%	75%
AICEP	100%	83%	37%	64%
LOW	100%	83%	37%	64%
GENE	100%	83%	37%	55%

Figure 4 Percentage of RP1 PM (17M)

WP2 Management and Coordination

This work package covers the project coordination and management as well as the technical coordination of WESHARE. The objectives of this WP are to ensure an efficient administration of all project-related matters and coordination among the partners, while fulfilling all EC requirements and legal obligations as outlined in the Grant Agreement. A robust and functional management system is essential for the success of the project.

The guiding principle is integrated thinking and local action: only tasks which cannot be decentralized are included in this WP, while other tasks are assigned to the respective work packages. This work package will be structured to ensure smooth collaboration among all partners, in alignment with the Partnership Agreement, and to fulfill responsibilities towards the LIFE Programme. Additionally, to ensure the sustainability of project results, particular attention will be given to preparatory activities, capacity building, content management, and stakeholder engagement, all of which will contribute to achieving the expected outcomes.

Gantt Chart and deliverables

WP2 is composed by 4 Tasks and 4 correlated deliverables:

<i>Task</i>	<i>Task Name</i>	<i>Deliverable</i>	<i>Del. Name</i>	<i>Lead Beneficiary</i>	<i>Contributors</i>
T2.1	Management, coordination and accounting control	D2.1	Project reference manual	RIMO	-
T2.2	Project monitoring and evaluation	D2.3	Monitoring and evaluation plan	RIMO	-
T2.3	Advisory Board management and cross project collaboration	D2.2	Technical progress report	RIMO	-
T2.4	Reporting and interacting with CINEA	D2.4	KPI webtool	RIMO	-

Table 2 WP2 Management and coordination tasks

Followed by a WP2 calendar highlighting the deadline and updates:

	2024			2025												2026												2027											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep			
Deliverable	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36			
D2.1			▲									▲												▲					▲										
D2.3			▲																																				
D2.2									▲																	▲													
D2.4									▲																											▲			

Figure 5 WP2 Timetable

Project progress and efforts by task during FRP1

Expected Staff resources to be spent by the end of the project [PM]					
Partner name	Task 2.1	Task 2.2	Task 2.3	Task 2.4	Planned Effort Completed
MO	6	4	4	4	18
NA	0,25	0,25	0,25	0,25	1
ISA	0,25	0,25	0,25	0,25	1
OM	0,25	0,25	0,25	0,25	1
JID	0,25	0,25	0,25	0,25	1
CEP	0,25	0,25	0,25	0,25	1
OW	0,25	0,25	0,25	0,25	1
ENE	0,25	0,25	0,25	0,25	1

Figure 6 Total PM (36M)

Expected Staff resources to be spent by the end of RP1 [PM]					
Partner name	Task 2.1	Task 2.2	Task 2.3	Task 2.4	Planned Effort Completed
RIMO	2,83	1,89	1,89	1,89	8,50
ENA	0,12	0,12	0,12	0,12	0,47
GISA	0,12	0,12	0,12	0,12	0,47
POM	0,12	0,12	0,12	0,12	0,47
ZUID	0,12	0,12	0,12	0,12	0,47
AICEP	0,12	0,12	0,12	0,12	0,47
LOW	0,12	0,12	0,12	0,12	0,47
GENE	0,12	0,12	0,12	0,12	0,47

Figure 7 RP1 PM (17M)

Expected advancement by end of FRP1					
Partner name	Task 2.1	Task 2.2	Task 2.3	Task 2.4	Planned Effort Completed
RIMO	47%	47%	47%	47%	47%
ENA	47%	47%	47%	47%	47%
GISA	47%	47%	47%	47%	47%
POM	47%	47%	47%	47%	47%
ZUID	47%	47%	47%	47%	47%
AICEP	47%	47%	47%	47%	47%
LOW	47%	47%	47%	47%	47%
GENE	47%	47%	47%	47%	47%

Figure 8 Percentage of RP1 PM (17M)

WP3 Business models & financing for business energy communities

The main objectives of this Work Package (WP) are as follows:

- To achieve the project's General and Specific objectives by developing and demonstrating new potential Business Models (BMs) for all market actors within the business sector.
- The underlying mechanism driving these models is energy flexibility; therefore, the proposed business models will incorporate the integration of energy services and revenue streams linked to consumer behavioural changes.
- Additionally, a specific objective is to support and empower business-consumers in adopting the energy community model, thereby enabling the energy transition.

The result of this WP will be the empowerment of businesses to develop energy community models that facilitate a successful energy transition.

Gantt Chart and deliverables

WP3 is composed by 4 Tasks and 4 correlated deliverables:

Task	Task Name	Deliverable	Del. Name	Lead Beneficiary	Contributors
T3.1	Analysis of existing sustainable business models for energy cooperation in the business sector and business game	D3.1	Mapping the business	GENE	-
T3.2	Selection of viable business models	D3.2	Selection of business model	GISA	GENA, RIMO, ENA, ZUID, POM, AGP
T3.3	Evaluation and validation of different financial plans in the pilots	D3.3	Portfolio of activable funding schemes	GENE	GISA, RIMO, ENA, ZUID, POM, AGP
T2.4	Implementing sustainable energy communities' "business models"	D3.4	Business report	POM	GENE, GISA, RIMO, ENA, ZUID, AGP

Table 3 WP3 Business models & financing for business energy communities tasks

Followed by a WP3 calendar highlighting the deadline and updates:

	2024			2025												2026												2027											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep			
Deliverable	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36			
D3.1							▲																																
D3.2										▲																													
D3.3														▲																▲									
D3.4																																					▲		

Figure 9 WP3 Timetable

Project progress and efforts by task during FRP1

Expected Staff resources to be spent by the end of the project [PM]					
Partner name	Task 3.1	Task 3.2	Task 3.3	Task 3.4	Planned Effort Completed
RIMO	0,5	0,5	1,5	1,5	4
ENA	0,5	0,5	1,5	1,5	4
GISA	0,5	2	0,5	1	4
POM	0,5	0,5	1	2	4
ZUID	0,5	0,5	1,5	1,5	4
AICEP	0,5	0,5	1	1	3
LOW	0,25	0,25	0,25	0,25	1
GENE	4	2	5	3	14

Figure 10 Total PM (36M)

Expected Staff resources to be spent by the end of RP1 [PM]					
Partner name	Task 3.1	Task 3.2	Task 3.3	Task 3.4	Planned Effort Completed
RIMO	0,5	0,5	0,69	0,55	2,24
ENA	0,5	0,5	0,69	0,55	2,24
GISA	0,5	2	0,23	0,37	3,10
POM	0,5	0,5	0,46	0,73	2,19
ZUID	0,5	0,5	0,69	0,55	2,24
AICEP	0,5	0,5	0,46	0,37	1,83
LOW	0,25	0,25	0,11	0,09	0,71
GENE	4	2	2,29	1,10	9,39

Figure 11 RP1 PM (17M)

Expected advancement by end of FRP1					
Partner name	Task 3.1	Task 3.2	Task 3.3	Task 3.4	Planned Effort Completed
RIMO	100%	100%	46%	37%	56%
ENA	100%	100%	46%	37%	56%
GISA	100%	100%	46%	37%	77%
POM	100%	100%	46%	37%	55%
ZUID	100%	100%	46%	37%	56%
AICEP	100%	100%	46%	37%	61%
LOW	100%	100%	46%	37%	71%
GENE	100%	100%	46%	37%	67%

Figure 12 Percentage of RP1 PM (17M)

WP4 Building competencies for setting-up of business energy-communities

This WP has the objective to develop a set of peer-learning contents and materials to support the peer-learning activities and events aiming at:

- Empowering businesses to develop “Energy Transition Roadmaps”.
- Supporting businesses to implement, monitoring energy communities.
- Building trust and facilitating transparency regarding energy security and liability.
- Establishing locally applicable indicators and transferring knowledge of best practices.
- Enhancing businesses’ capacity to make informed decisions, improve procurement techniques and stimulate innovative market transformation.

The expected results of this WP are:

- Data on existing energy-communities and energy transition roadmaps.
- Evaluation of the business energy community status in terms of transition pathways.
- Know-how on existing tools for establishing participatory activities to be used in the project implementation.
- Energy transition roadmaps for the pilot business communities.
- A toolkit for the establishment and monitoring of business energy communities.

Gantt Chart and deliverables

WP4 is composed by 4 Tasks and 4 correlated deliverables:

Task	Task Name	Deliverable	Del. Name	Lead Beneficiary	Contributors
T4.1	Benchmarking study of current energy-communities' establishment and management practices	D4.1	Comparative analysis of the current practice	ZUID	RIMO, GISA, ENA, POM, GENE, AGP
T4.2	Defining of baseline, strategies and indicators for pilot energy-communities within local businesses	D4.2	Learning tool kit for the peer-learning programme on EE literacy and EC's establishing	ENA	RIMO, GISA, POM, GENE, AGP, ZUID, LOW
T4.3	Establishing the pilot energy-communities' pathways and raising level of energy efficiency literacy	D4.3	Business communities' energy transition roadmaps	ENA	RIMO, GISA, POM, GENE, AGP, ZUID
T4.4	Improving pathways and strengthening engagement of local stakeholders on energy-community creation for replication in other territories	D4.4	Funding from the WESHARE local workshops	GISA	RIMO, ENA, POM, GENE, AGP, ZUID

Table 4 WP4 Building competencies for setting-up of business energy-communities tasks

Followed by a WP4 calendar highlighting the deadline and updates:

	2024			2025												2026												2027											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep			
Deliverable	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36			
D5.1						▲																																	
D5.2																																					▲		
D5.3																																					▲		
D5.4																																					▲		
D5.5																																					▲		
D5.6																																					▲		

Figure 13 WP4 Timetable

Project progress and efforts by task during FRP1

Expected Staff resources to be spent by the end of the project [PM]					
Partner name	Task 4.1	Task 4.2	Task 4.3	Task 4.4	Planned Effort Completed
RIMO	0,5	0,5	1,5	1,5	4
ENA	1	2,5	4,5	6	14
GISA	1,5	2	3,5	5	12
POM	1,5	2	3,5	5	12
ZUID	2,5	0,5	0,5	1,5	5
AICEP	1,5	2	3,5	5	12
LOW	0,25	0,25	0,25	0,25	1
GENE	0,5	0,5	0,5	1,5	3

Figure 14 Total PM (36M)

Expected Staff resources to be spent by the end of RP1 [PM]					
Partner name	Task 4.1	Task 4.2	Task 4.3	Task 4.4	Planned Effort Completed
RIMO	0,5	0,5	0,88	0,55	2,43
ENA	1	2,5	2,63	2,20	8,33
GISA	1,5	2	2,04	1,83	7,38
POM	1,5	2	2,04	1,83	7,38
ZUID	2,5	0,5	0,29	0,55	3,84
AICEP	1,5	2	2,04	1,83	7,38
LOW	0,25	0,25	0,15	0,09	0,74
GENE	0,5	0,5	0,29	0,55	1,84

Figure 15 RP1 PM (17M)

Expected advancement by end of FRP1					
Partner name	Task 4.1	Task 1.2	Task 4.3	Task 4.4	Planned Effort Completed
RIMO	100%	100%	58%	37%	61%
ENA	100%	100%	58%	37%	59%
GISA	100%	100%	58%	37%	61%
POM	100%	100%	58%	37%	61%
ZUID	100%	100%	58%	37%	77%
AICEP	100%	100%	58%	37%	61%
LOW	100%	100%	58%	37%	74%
GENE	100%	100%	58%	37%	61%

Figure 16 Percentage of RP1 PM (17M)

WP5 Sustainability, replication and exploitation of project results

This Work Package (WP) focuses on ensuring the mid- and long-term sustainability of the project results after its completion. It requires project partners to demonstrate how the outcomes of the WESHARE project can be replicated and transferred to third parties and relevant stakeholders, both at the end of the project and beyond.

The main objectives of this WP are:

- To maximize the impact of the WESHARE project and guarantee the sustainability of the energy community pilots beyond the project's end, through the implementation of a replication strategy.
- To complete a comprehensive multi-disciplinary evaluation of operational work packages and business energy community pilots, adhering to strict and ambitious standards and KPIs.
- To build the capacity of relevant actors and industries, with a focus on the EU-wide business sector and relevant regional/national stakeholders.
- To create a toolkit for replication on a European-wide level, targeted at all relevant stakeholders in the business energy cooperation field.

The expected results are:

- To engage key stakeholders involved in promoting business energy communities across the EU, including policy-makers, regulatory bodies, and the business community, in order to influence future legislative frameworks and contribute to existing initiatives and exchange platforms for practitioners and decision-makers to share experiences and knowledge on business energy communities.
- To ensure the continuation and expansion of the three pilot energy communities.
- To raise awareness and provide training for a broad range of organizations in the legal, financial, administrative, and technical procedures necessary to establish a business energy community.

Gantt Chart and deliverables

WP5 is composed by 4 Tasks and 6 correlated deliverables:

Task	Task Name	Deliverable	Del. Name	Lead Beneficiary	Contributors
T5.1	Replication and Exploitation Plan	D5.1	Replication and exploitation plan	GISA	RIMO, ENA, POM, GENE, AGP, ZUID, LOW
T5.2	Impact Assessment	D5.2	Impact assessment report	ENA	RIMO, GISA, POM, GENE, AGP, ZUID, LOW
T5.3	Capacity building for business energy cooperation	D5.3	Online training sessions	GISA	RIMO, ENA, POM, GENE, AGP, ZUID, LOW

T5.3	Capacity building for business energy cooperation	D5.4	On-site training sessions	GISA	RIMO, ENA, POM, GENE, AGP, ZUID, LOW
T5.4	Sustainability of project results and facilitation toolkit	D5.5	Sustainability plan for energy community pilots	GISA	RIMO, ENA, POM, GENE, AGP, ZUID, LOW
T5.4	Sustainability of project results and facilitation toolkit	D5.6	Facilitation toolkit for business energy cooperation	POM	RIMO, ENA, GISA, GENE, AGP, ZUID, LOW

Table 5 WP5 Sustainability, replication and exploitation of project results task

Followed by a WP5 calendar highlighting the deadline and updates:

	2024			2025												2026												2027									
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	
Deliverable	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	
D5.1						▲																															
D5.2																																					▲
D5.3																																					▲
D5.4																																					▲
D5.5																																					▲
D5.6																																					▲

Figure 17 Timetable

Project progress and efforts by task during FRP1

Expected Staff resources to be spent by the end of the project [PM]					
Partner name	Task 5.1	Task5.2	Task 5.3	Task 5.4	Planned Effort Completed
RIMO	0,5	0,5	1,5	1,5	4
ENA	0,5	3	2	1,5	7
GISA	1	6	4	3	14
POM	0,5	0,5	1,5	1,5	4
ZUID	0,5	1	1	0,5	3
AICEP	0,5	1	1	0,5	3
LOW	0,5	0,5	1,5	1,5	4
GENE	0,5	1	1	0,5	3

Figure 18 Total PM (36M)

Expected Staff resources to be spent by the end of RP1 [PM]					
Partner name	Task 5.1	Task5.2	Task 5.3	Task 5.4	Planned Effort Completed
RIMO	0,5	0,24	0,36	0	1,09
ENA	0,5	1,42	0,48	0	2,39
GISA	1	2,83	0,95	0	4,79
POM	0,5	0,24	0,36	0	1,09
ZUID	0,5	0,47	0,24	0	1,21
AICEP	0,5	0,47	0,24	0	1,21
LOW	0,5	0,24	0,36	0	1,09
GENE	0,5	0,47	0,24	0	1,21

Figure 19 RP1 PM (17M)

Expected advancement by end of FRP1					
Partner name	Task 5.1	Task5.2	Task 5.3	Task 5.4	Planned Effort Completed
RIMO	100%	47%	24%	0%	27%
ENA	100%	47%	24%	0%	34%
GISA	100%	47%	24%	0%	34%
POM	100%	47%	24%	0%	27%
ZUID	100%	47%	24%	0%	40%
AICEP	100%	47%	24%	0%	40%
LOW	100%	47%	24%	0%	27%
GENE	100%	47%	24%	0%	40%

Figure 20 Percentage of RP1 PM (17M)

WP6 Communication, dissemination and integrated stakeholder engagement

WP6 will create and implement a comprehensive Communication Strategy by gaining insights into the problems to solve and the reasons behind them. It will focus on understanding the underlying causes and emphasizing the benefits to participants, with a particular emphasis on the power of recommendations. Sharing the findings of WESHARE and promoting the results of the pilot cases at local, national, and EU levels will play a crucial role in this strategy.

The overall objective of this WP is to engage the target audience with the WESHARE project and its goals.

The specific objectives are to:

- Increase awareness of the WESHARE project and its role in supporting the development of energy community models in European business parks, contributing to the advancement of the clean energy transition in Europe.

- Boost recognition of the benefits of energy-sharing practices among companies.
- Share WESHARE findings, including the results of the pilot cases, at local, national, and EU levels, alongside testimonials from participating companies and organizations.
- Promote the connection between the WESHARE initiative and the European Union's 2050 climate neutrality targets.
- Encourage European businesses to adopt community models as a way to reduce energy costs while advancing their sustainability goals.

The key results of this WP will include a strong presence on social media channels, a robust and stable number of visits to the project website and Futurium platform, a significant attendance and positive feedback at the project's final event and lastly, a high number of stakeholders reached throughout the project.

Gantt Chart and deliverables

WP6 is composed by 4 Tasks and 9 correlated deliverables:

Task	Task Name	Deliverable	Del. Name	Lead Beneficiary	Contributors
T6.1	Communication, dissemination and stakeholder engagement strategy	D6.1	Communication, dissemination and stakeholder engagement strategy	LOW	RIMO, ENA, GISA, GENE, AGP, ZUID, POM
T6.2	Design, management and implementation of communication activities and tools	D6.2	Project printed and digital materials	LOW	RIMO, ENA, GISA, GENE, AGP, ZUID, POM
T6.2	Design, management and implementation of communication activities and tools	D6.3	Project webpages	LOW	RIMO, ENA, GISA, GENE, AGP, ZUID, POM
T6.2	Design, management and implementation of communication activities and tools	D6.4	Project video	LOW	RIMO, ENA, GISA, GENE, AGP, ZUID, POM

T6.2	Design, management and implementation of communication activities and tools	D6.5	Multimedia tools	LOW	RIMO, ENA, GISA, GENE, AGP, ZUID, POM
T6.4	Dissemination at national and EU-level	D6.6	Report of dissemination activities	LOW	RIMO, ENA, GISA, GENE, AGP, ZUID, POM
T6.4	Dissemination at national and EU-level	D6.7	Memorandum of understanding	LOW	RIMO, ENA, GISA, GENE, AGP, ZUID, POM
T6.4	Dissemination at national and EU-level	D6.8	Report of WESHARE final report	GISA	RIMO, ENA, LOW, GENE, AGP, ZUID, POM
T6.3	Stakeholder engagement process and networking activities	D6.9	Final publishable report	RIMO	LOW, ENA, GISA, GENE, AGP, ZUID, POM

Table 6 WP6 Communication, dissemination and integrated stakeholder engagement tasks

Followed by a WP calendar highlighting the deadline and updates:

	2024			2025												2026												2027											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep			
Deliverable	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36			
D6.1			▲																																				
D6.2						▲																																	
D6.3						▲																																	
D6.4																								▲															
D6.5															▲																								
D6.6																																					▲		
D6.7																																					▲		
D6.8																																					▲		
D6.9																																			▲				

Figure 21 WP6 Timetable

Project progress and efforts by task during FRP1

Expected Staff resources to be spent by the end of the project [PM]					
Partner name	Task 6.1	Task 6.2	Task 6.3	Task 6.4	Planned Effort Completed
RIMO	1,5	1,5	4	1	8
ENA	1	1	1	1	4
GISA	0,5	0,5	0,5	0,5	2
POM	0,25	0,25	0,25	0,25	1
ZUID	0,25	0,25	0,25	0,25	1
AICEP	0,5	0,5	0,5	0,5	2
LOW	1	4,5	4,5	4	14
GENE	0,25	0,25	0,25	0,25	1

Figure 22 Total PM (36M)

Expected Staff resources to be spent by the end of RP1 [PM]					
Partner name	Task 6.1	Task 6.2	Task 6.3	Task 6.4	Planned Effort Completed
RIMO	1,5	0,71	1,89	0,37	4,46
ENA	1	0,47	0,47	0,37	2,31
GISA	0,5	0,24	0,24	0,18	1,16
POM	0,25	0,12	0,12	0,09	0,58
ZUID	0,25	0,12	0,12	0,09	0,58
AICEP	0,5	0,24	0,24	0,18	1,16
LOW	1	2,13	2,13	1,47	6,72
GENE	0,25	0,12	0,12	0,09	0,58

Figure 23 RP1 PM (17M)

Expected advancement by end of FRP1					
Partner name	Task 6.1	Task 6.2	Task 6.3	Task 6.4	Planned Effort Completed
RIMO	100%	47%	47%	37%	56%
ENA	100%	47%	47%	37%	58%
GISA	100%	47%	47%	37%	58%
POM	100%	47%	47%	37%	58%
ZUID	100%	47%	47%	37%	58%
AICEP	100%	47%	47%	37%	58%
LOW	100%	47%	47%	37%	48%
GENE	100%	47%	47%	37%	58%

Figure 24 Percentage of RP1 PM (17M)

DELIVERY QUALITY CONTROL GUIDELINES

General information

The Management and Quality Plan outlines a clear framework and useful guidelines to ensure the production of high-quality reports and to prevent delays. Deliverables, as specified in the Grant Agreement, are a contractual obligation of the project. Templates for deliverables are available on the WESHARE repository.

Standard guidelines for deliverables

All deliverables must be written in British English, following the official WESHARE deliverables template, and submitted to the EC in electronic format (PDF) by the deadlines set in Annex A of the Grant Agreement.

Deliverables should be formatted in "Justified" alignment, and all tables and figures must include proper captions using the 'References -> Insert Caption' function in Word. Tables and figures should be cross-referenced in the text using 'References -> Cross-reference' in Word.

Each deliverable must have a dedicated folder in the WP channel, named 'DX.X Name of the Deliverable'. Within this folder, create two subfolders: 'Draft and Review' and 'Final Version for Project Coordinator', which will contain the respective versions.

WESHARE high-quality assurance procedure

To ensure timely preparation and submission of deliverables, the Project Coordination Team will send reminders to the responsible partner and WP leader. The team will follow up with the deliverable leader to ensure compliance with the schedule. If a delay is expected, the Project Coordination Team will work with the deliverable leader and WP leader to set a new submission date, which should be at least one month before the original due date. The Project Coordinator will notify the EC Project Officer at least two weeks before the due date.

The deliverable review process involves a technical review followed by a final check by the Project Coordination Team. The following steps ensure high-quality and timely delivery, and the process will iterate until all reviewers approve the document.

To ensure quality, each deliverable is assigned two expert reviewers, and a 7-step quality assurance procedure is in place. The list of reviewers is available to partners in the Team-All Members channel. The deliverable leader must submit a completed document, with proofreading and formatting already performed, to the reviewers.

To guarantee a transparent review process, a Deliverable Review Table is created at the start of the deliverable. Each reviewer must fill out a Deliverable Review Sheet, which tracks comments and responses. The Deliverable Review Sheet should include:

- Reviewer's name
- Deliverable version referenced
- Chapter and section number for each comment
- Reviewer's comment

- Author's response
- Status of the comment (e.g., "Issued by Reviewer", "Commented by Author", "Processed", "Rejected")

If changes are needed, the reviewer will provide comments in the Comment Form, indicating the relevant chapters and sections. The review will continue until all comments are addressed, and the deliverable is approved. The reviewer will approve the deliverable by signing the form, either electronically or digitally. If minor contingencies remain, these will be noted in the comments section below the signature.

Quality Assurance Process Steps

Step 1: Agreement on the Table of Contents and requests for contributions

Three months before submission deadlines: send the deliverable Index to the two reviewers, contributors, and the Project Coordinator for suggested changes and approval of the structure.

Step 2: 1st draft

One month before submission: send the first draft to reviewers, contributors, and the Project Coordinator for feedback and improvements.

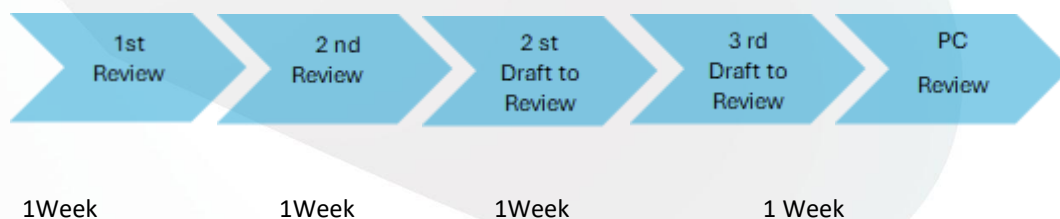
Step 3: Full draft

Four weeks before submission: send the full draft to reviewers and the Project Coordinator for review.

Step 4: Iterative Technical Review process

Technical reviewers are responsible for ensuring the deliverable's consistency with the project and the Grant Agreement. They will evaluate the content and structure against the objectives and KPIs outlined in the Grant Agreement for the specific work package and task. Reviewers will suggest changes, and the process follows these steps:

1. First review: after receiving the full draft, the two reviewers will review the deliverable within one week and return comments to the authors.
2. The deliverable leader has one week to incorporate the reviewers' comments.
3. Second review: after receiving the updated version, the reviewers will process the 2nd review in one week. After that, the deliverable leader has to incorporate the second round of comments and send the revised version to the Project Coordinator.



Step 5. Final Check

One week before the submission deadline, send the final draft to the Project Coordination Team, who will verify compliance with the Grant Agreement and the deliverable template.

Step 6. Submission on the Funding and Tenders Portal

The Project Coordination Team is responsible for submitting the final version to the Funding and Tenders Portal.

The deliverables foreseen for the project are listed below:

Deliverables	Deliverables Name	Lead beneficiary	WP	Delivery Month	Dissemination Level
D2.1	Project reference manual	RIMO	W2	3	Sensitive
D2.3	Monitoring and evaluation plan	RIMO	W2	3	Public
D6.1	Communication, dissemination and stakeholder engagement strategy	LOW	W6	3	Public
D5.1	Replication and exploitation plan	GISA	W5	6	Public
D6.2	Project printed and digital materials	LOW	W6	6	Public
D6.3	Project webpages	LOW	W6	6	Public
D3.1	Mapping the business	GENE	W3	7	Public
D1.1	Repository of the existing framework for energy cooperation in the industrial sector	ZUID	W1	9	Public
D2.2	Technical progress report	RIMO	W2	9	Sensitive
D2.4	KPI webtool	RIMO	W2	9	Sensitive
D4.1	Comparative analysis of the current practice	ZUID	W4	9	Public
D3.2	Selection of business model	GISA	W3	10	Public
D4.2	Learning tool kit for the peer-learning programme on EE literacy and EC's establishing	ENA	W4	15	Public
D6.5	Multimedia tools	LOW	W6	15	Public
D6.4	Project video	LOW	W6	24	Public
D4.3	Business communities' energy transition roadmaps	ENA	W4	27	Public

D1.2	Evaluation report of the opportunities for energy cooperation in the industrial sector	ZUID	W1	30	Public
D3.3	Portfolio of activable funding schemes	ZUID	W3	30	Public
D5.3	Online training sessions	GISA	W5	33	Public
D5.4	On-site training sessions	GISA	W5	33	Public
D5.5	Sustainability plan for energy community pilots	GISA	W5	33	Public
D5.6	Facilitation toolkit for business energy cooperation	POM	W5	33	Public
D6.9	Final publishable report	LOW	W6	34	Public
D1.3	Recommendations for the EU and national legislation in support of energy cooperation in the industrial sector	POM	W1	36	Public
D3.4	Business report	POM	W3	36	Public
D4.4	Funding from the WESHARE local workshops	GISA	W4	36	Public
D5.2	Impact assessment report	ENA	W5	36	Public
D6.6	Report on dissemination activities	LOW	W6	36	Public
D6.7	Memorandum of understanding	LOW	W6	36	Public
D6.8	Report on WESHARE final seminar	GISA	W6	36	Public

Table 7 List of deliverables

IMPACT ASSESSMENT METHODOLOGY

User-driven, demand-oriented smart energy solutions, integrated into infrastructure along with innovative governance models and citizen inclusion, provide a comprehensive approach for transitioning to a low-carbon, resource-efficient economy. The three WESHARE demo sites are committed to the shared goal of achieving a sustainable, carbon-neutral urban environment by 2050. They have set ambitious target outcomes and are actively monitoring progress toward these goals.

To define the WESHARE Impact Assessment Methodology and the associated Key Performance Indicators (KPIs), a seven-step approach is outlined, as shown in Figure 25.

Step 1 involves evaluating the three demo sites, which serves as a foundation for subsequent actions. This step provides guidance, best practices, and lessons learned from similar projects. The demo sites are located in three EU member states: Belgium (Antwerp), Spain (Getafe), and Portugal (Sines). These sites were selected based on their diverse state-of-the-art developments in business energy communities and the distinct barriers they face in their respective countries. Key focus areas include:

- Existing business energy communities.
- Legal barriers.
- Financial barriers.
- Size of the business park included in the pilot.

Step 2 adopts a Top-down approach to identify the primary list of KPIs, focusing on the core of the project: the planned interventions and the impacts these actions will deliver.

Step 3 complements this with a Bottom-up approach, involving stakeholders to co-produce and refine the KPI list. This step involves a detailed analysis of planned interventions and the identification of resulting impacts.

Step 4 focuses on assessing the final list of KPIs, ensuring that technical partners involved in the WESHARE project fully understand and agree on the purpose of each indicator. This step aims to clarify any open points and align the project team on the indicators' role in the context of the planned actions.

In **Step 5**, with a finalised set of KPIs, a comprehensive data requirements analysis is conducted to identify the necessary data for calculating each indicator. This analysis is followed by verifying the availability of this data from the demo site partners.

Step 6 introduces and refines a structured methodology to measure and compare the different cross-demo site interventions. This step ensures that the collected KPIs provide accurate insights into the WESHARE project's progress and impact.

Finally, **Step 7** outlines the WESHARE process evaluation approach, which includes activities designed to comprehensively assess the efficiency and effectiveness of the achieved goals, completing the impact assessment verification.

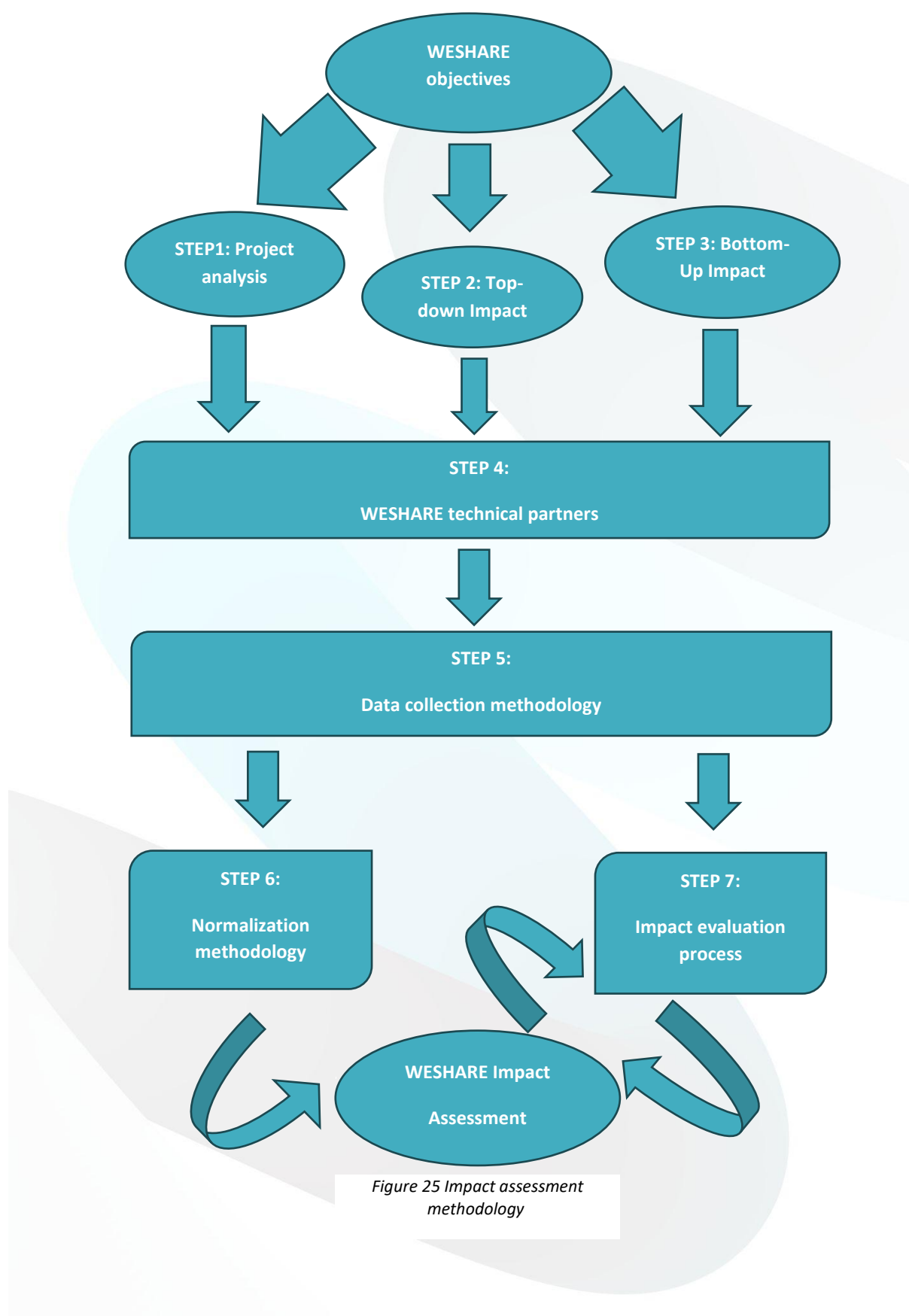


Figure 25 Impact assessment methodology

WESHARE Top-down Impact Analysis

The goal of WESHARE is to foster cooperation between business entities and the public and private sectors to create an integrated strategy that drives effective ecosystem transformation.

Upon successful realization of the decarbonization targets at the demo sites, the key objectives include:

- Increasing the integration of renewable energy into the generation process.
- Optimizing local energy systems through the integration of distributed renewable energy sources, storage, demand-side management, and e-mobility resources.
- Enhancing energy performance and optimizing district-wide network operations.
- Reducing greenhouse gas (GHG) emissions and improving local air quality.

These objectives are further detailed into economic, environmental, social, and technological aspects, which are captured in the project's contract through both general and supplementary impacts.

To effectively measure the achievement of these objectives, a Top-down analysis is required. This analysis defines the key strategic goals of the project and introduces Key Performance Indicators (KPIs), which provide specific, quantifiable targets to assess the impacts achieved. The interventions and their corresponding impacts may span multiple levels, enabling solutions that promote technical functionalities, services, data collection, and behavioural changes at higher levels.

A comprehensive list of KPIs and the corresponding impact categories will be outlined in Deliverable 2.4.

WESHARE Bottom-up approach

To understand the specific needs of the WESHARE project and complement the KPIs required for assessing interventions at each demo site, a Bottom-up approach is employed. This approach involves two parallel activities:

- **Stakeholder Engagement:** The bottom-up method encourages active involvement from stakeholders, wherein the impact assessment for each action and intervention, along with corresponding indicators, is co-produced. This collaborative effort helps document the impacts of activities in terms of each partner's own ambitions. Using a bottom-up approach is considered a best practice for developing sustainability indicators, particularly in urban transformation projects. This method leverages the unique opportunity to learn through working with partners on live demonstration projects at the demo sites.
- **Technical Partners' Analysis:** A detailed analysis of actions and interventions from the technical partners is conducted by verifying the corresponding descriptions outlined in the project contract. This ensures a thorough, unbiased evaluation of the planned developments and their potential impacts.

At the lowest level, each action is analysed by the demo partners, specifically by the leader responsible for that action. KPIs defined at the action level are consolidated to create intervention-level KPIs. These, in turn, serve as the foundation for establishing KPIs at the district level.

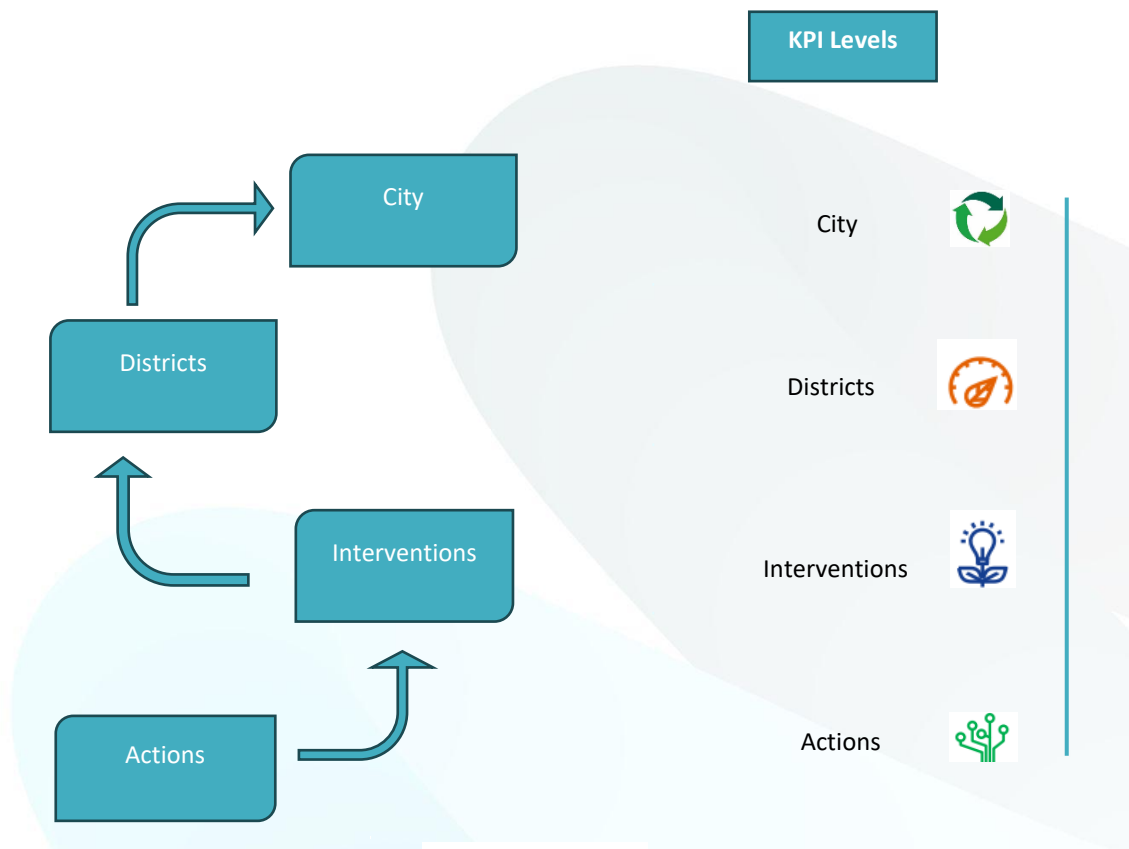


Figure 261 KPI Levels

In this context, particular attention will be given to evaluating the replication potential of the solutions, considering the possibility of scaling them to wider deployments at the demo sites, while also assessing their adaptability to different contexts. This approach will facilitate an accurate projection of the intervention impacts, enabling targeted and efficient deployment of similar initiatives in diverse district.

Building upon the comprehensive WESHARE assessment framework, technical partners will play a crucial role in contributing their specialized knowledge. Various methods of feedback collection will be used to gather the necessary information, including:

- Workshop sessions
- Live consultation/clarification sessions

Data collection methodology

Effective performance measurement relies heavily on robust data collection capabilities, which enable the calculation of key performance indicators (KPIs). However, implementing a data collection methodology within the project context is neither straightforward nor free from challenges. The primary obstacles typically revolve around three key areas:

- Accuracy of data;
- Completeness of data;

- **Timeliness and punctuality of data:** the quality and reliability of the data significantly impact the accuracy of impact assessments and decision-making. Providing unreliable or incomplete information could jeopardize the project's targets and lead the consortium to make incorrect decisions.

To support the partners in optimising the data collection process and ensuring consistency in KPI measurement, it is essential to provide detailed guidance. This includes clear KPI definitions, calculation formulas, data requirements, and potential limitations. While the definitions and formulas for the KPIs have already been established, the next step is to thoroughly analyse the data needs and limitations related to each KPI. This process will address any potential challenges in data collection and ensure its accuracy and relevance.

Normalisation methodology definition

Up until this point, the focus has been on assessing the planned interventions implemented at the demosites. However, to achieve results that can be generalized beyond the specific context of each city, and to allow comparisons with similar findings from analogous projects, it is essential to normalize key elements of the implementation activities. This involves measuring and adjusting for the specific characteristics of the cities and buildings involved. Different buildings may require different benchmarks to assess their energy performance accurately. By normalizing the data, it will become possible to draw comparisons between diverse projects, ensuring that findings are transferable and relevant on a broader scale.

Process Evaluation

Project execution evaluation needs to encompass two complementary approaches: impact evaluation and process evaluation. While impact evaluation focuses on assessing the range of technical, social, economic, and other effects of the measures implemented in the cities, process evaluation looks at the planning, implementation, and operational phases. The aim of process evaluation is to understand the reasons behind the success or failure of measures, with a particular focus on factors such as information flow, communication, and stakeholder participation.

The process evaluation procedure seeks to uncover factors contributing to success and strategies to overcome potential barriers during the implementation phase. By analysing all relevant information, the process evaluation will help improve future projects and outcomes.

For the WESHARE project, the process evaluation will be conducted in collaboration with the demosites and technical partners and will include the following activities:

1. Agreement on Common and Focused Measures for Evaluation
Identify common metrics for evaluating both impacts and processes.
2. Development of Evaluation Plans
Create plans with clear timeframes for process evaluation surveys and interviews.
3. Guidance on Process Evaluation
Provide direction on how to conduct the process evaluation.
4. Data Collection for Process Evaluation
Collect necessary data for evaluating the process across all phases.

5. Evaluation of Preparation, Implementation, and Operation Phases
Assess the effectiveness of the process in these stages.
6. Focused Measures Process Evaluation
Conduct targeted evaluations on specific measures.
7. Reporting to Technical Partners
Document the findings and share them with technical partners in the form of a "Measure Evaluation Results Template."

By following these steps, the process evaluation will provide valuable insights into how effectively the interventions were carried out, the factors driving success, and areas where improvements can be made.

PERFORMANCE INDICATORS

To enhance energy reduction efforts, a key best practice is to establish a facility culture that actively manages energy usage through Key Performance Indicators (KPIs). Properly designed energy KPIs allow facilities to maintain ongoing awareness of what is most crucial for achieving desired energy performance outcomes.

KPIs serve as the primary tool for assessing results, improving future energy communities, and, when applicable, replicating successful models beyond the pilot areas. The WESHARE monitoring and evaluation team will develop a specific strategy (outlined in section 4.3) to measure the impact of common technical and socio-economic benefits derived from the three different pilot projects, such as:

- Enhancing efficiency in the day-to-day operations of energy communities.
- Ensuring control over the system and maintaining the quality of the energy supply.
- Facilitating better planning for future energy community investments.
- Encouraging more direct consumer involvement in energy usage.
- Integrating users with emerging requirements and demands.

The KPIs will be defined based on existing frameworks for business energy communities and their collaboration models. Additionally, a comprehensive KPI classification will support project monitoring and exploitation activities. The proposed monitoring and evaluation plan will rely on indicators that:

- Can be measured frequently (e.g., hourly, daily, weekly).
- Resonate with Plant Management and are aligned with high-level strategic objectives for the facility and/or company.
- Are easily understood and implementable, ensuring that all stakeholders can follow and act upon them.

By focusing on these measurable, clear, and actionable KPIs, the WESHARE project aims to not only monitor the ongoing success of energy communities but also ensure that their solutions are scalable and replicable in different contexts.

Innovation

Renewable Energy Communities (RECs) aim to distribute the benefits of generating renewable energy within the local area where the community operates. The establishment of a renewable energy community promotes decentralizing power distribution, encouraging a more sustainable model for both energy production and consumption.

WESHARE supports the clean energy transition of European business parks by fostering collaborative energy approaches among companies. The consortium develops a comprehensive set of knowledge-based tools designed to assess the energy collaboration potential of business parks. By unlocking the energy transition in these parks, the partners are creating an innovative and scalable cooperative model of solutions that facilitate the establishment of energy communities and enhance flexibility. This reduces the dependence of business areas on fossil fuels and, as a result, lowers carbon emissions.

Indirect benefits of the project include the potential for attracting institutional investors to complex, integrated renewable energy projects in business areas. Additionally, the project contributes to the European Union's 2050 climate neutrality strategy, accelerating the clean energy transition in business parks across Belgium, Spain, and Portugal. WESHARE's emphasis on scaling and replicating these collaborative energy approaches will support broader adoption across Europe.

Governance

WESHARE enhances governance by strengthening the capacities of public and private actors and fostering the involvement of civil society. A robust governance structure will be established to ensure the project achieves its goals on time, within budget, and at high-quality standards.

Through a combination of stakeholder engagement and learning activities over a phased three-year period, WESHARE will raise awareness about energy communities. It will also highlight the value of cooperation in optimizing energy efficiency, renewable energy generation, and storage for a community of businesses located in proximity to each other. This collaboration will provide a solid foundation for committing to the clean energy transition, exemplified by a Memorandum of Understanding that formalizes the shared commitment among involved stakeholders.

Plans & strategies

As outlined previously, WESHARE's primary monitoring and evaluation strategy revolves around a robust Key Performance Indicator (KPI) classification system. This system consists of two key dimensions:

1. Scope of Application of KPIs:

This dimension classifies KPIs based on their level of applicability and the extent to which they can be replicated or scaled across different contexts. It is divided into three layers:

- **Pilot Energy Community KPIs:** These are specific to a single demo-site and have restricted replicability and scalability properties. They are focused on measuring outcomes and impacts within a localized setting.
- **Business Park Energy Community KPIs:** These KPIs are applied to multiple Business Parks (BPs), offering more diversified replicability and scalability. They are designed to assess the potential for scaling energy community models within business park environments.
- **Business Energy Community Model KPIs:** These KPIs are the most expansive, applicable to one or more business energy community models (BMs). They present a wide range of replicability and scalability properties, allowing for broader application across different regions and sectors.

2. Application Degree of KPIs:

This dimension defines the degree to which each KPI should be utilized, and it is further split into three levels:

- **Mandatory KPIs:** These KPIs are aligned with the expected outcomes of the project, focusing on quantifying the primary impacts of the WESHARE project. They are essential for measuring the success of the project's core objectives.
- **Recommended KPIs:** While not compulsory, these KPIs are highly impactful across different business models (BMs) or business parks (BPs). They may also be used to calculate mandatory KPIs and are crucial for deeper insights into the project's performance.
- **Optional KPIs:** These KPIs are useful for evaluating secondary performance parameters that might be of interest to the project but are not critical for meeting its main objectives. They provide additional insights into specific areas of performance.

The process of defining and applying these KPIs will be a collaborative effort involving most of the Consortium partners. A key aspect of this collaboration will be the active involvement of representatives from each pilot project. Their input will be essential in understanding the specific needs of each pilot and tailoring the KPIs to reflect these unique characteristics. In parallel, a broader set of KPIs will be developed to apply to business energy communities more generally, enabling the project to measure its success on a wider scale.

Integral to this collaborative approach is the establishment of regular feedback and evaluation loops. These will promote continuous communication between stakeholders and project managers, ensuring that the project can adapt to evolving needs and dynamic circumstances. The iterative feedback process will allow for timely adjustments, fostering a flexible and responsive monitoring and evaluation framework. This approach will help ensure the project's success and allow for continuous improvement throughout its implementation.

Impacts of the WESHARE project

The **WESHARE project** is designed to create significant impacts across multiple domains, driven by stakeholder engagement, learning activities, and the development of energy-efficient and renewable energy solutions for business communities. Over the course of the three-year project, the effects will span financial, spatial, thematic, and societal areas, providing a solid foundation for the clean energy transition. Below are the key effects:

1. Financial impacts:

- **Testing and Validating New Energy Business Models:** WESHARE will explore new financial schemes through peer learning models, including flexible energy financial contracts such as Energy Performance Contracts (EPCs) and Power Purchase Agreements (PPAs). This will allow for the enhancement of existing financial mechanisms by incorporating more adaptable and efficient approaches.
- **Organizational Change and Investment Growth:** The flexibility in financial contracts will be linked to organizational change management measures, allowing for smoother adoption of new deployment pathways. This, in turn, is expected to lead to additional investments in energy infrastructure, benefiting from reduced risks and improved procedural frameworks. The multiplier effect of these investments will enhance the sustainability and attractiveness of energy communities.

2. Spatial impacts:

- **Replication Potential:** The project's spatial replication will be monitored using specific KPIs, with a focus on potential spillover effects beyond the demo-sites. Although the primary focus will be on industry clusters, the project's results could extend geographically under the right conditions. Initial

baseline financial, normative, and operational conditions will lay the foundation for spatial replication in other regions, supported by local incentives and energy projects.

3. Thematic impacts:

- **Broad Replication Across Industries:** WESHARE offers significant potential for replication beyond the renewable energy sector. The project's results will contribute to new industry cluster management solutions, whose benefits will be felt across multiple sectors. These solutions may provide insights and best practices that extend well beyond the core focus on renewable energy, disseminating knowledge and fostering cross-industry innovation.

4. Societal impacts:

- **New Voluntary Commitments and Collaboration:** WESHARE will pave the way for new voluntary commitments within business areas by unlocking legal and economic opportunities. Through the creation of business energy community models, the project will promote active participation from various stakeholders, including SMEs, business associations, technology parks, public agencies, and local authorities. This collaboration will strengthen the push towards a clean energy transition for businesses in the EU.
- **Shaping Environmental and Business Policy:** WESHARE aims to influence the design and implementation of environmental and business policies. There is a growing interest in environmental issues, but there remains a significant gap between policy frameworks and business practices.

WESHARE seeks to bridge this gap by providing insights to policymakers and national energy regulators, helping to update existing legislation and regulatory frameworks. The project aims to create a more favorable environment for businesses wishing to engage in energy communities and cooperative energy schemes.

- **Fostering New Networking Paradigms:** The project will facilitate a new networking paradigm within industry clusters, encouraging cooperation among stakeholders with different objectives and investment returns. This collaborative approach will help resolve conflicts and promote joint action towards common sustainability goals, fostering a more integrated and cooperative energy ecosystem.

The **WESHARE** project will have significant effects in terms of financial innovation, spatial replication, thematic knowledge dissemination, and societal transformation. Through targeted stakeholder engagement and learning activities, the project will create a powerful leverage effect, paving the way for increased investments and the wider adoption of energy community models. Additionally, it will influence policy development and establish new collaborative networks, contributing to the acceleration of the EU's clean energy transition and climate neutrality goals.



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