

## Deliverable F1.1

### The Project Inception Report, Part III:

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# Plan for the implementation of the project results

**LIFE ClimatePath2050 (LIFE16 GIC/SI/000043)**

The *Plan for the implementation of the project results* is a part of the *Inception report* of the project LIFE ClimatePath2050 »*Slovenian Path Towards the Mid-Century Climate Target*,« (LIFE Podnebna pot 2050, Slovenska podnebna pot do sredine stoletja, LIFE16 GIC/SI/000043), which is implemented by a consortium lead by Institute Jožef Stefan, and partners: ELEK, načrtovanje, projektiranje in inženiring, d.o.o., Gradbeni Inštitut ZRMK d.o.o., Inštitut za ekonomska raziskovanja, Kmetijski inštitut Slovenije, PNZ svetovanje projektiranje, d.o.o., Gozdarski inštitut Slovenije.

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# Contents

<b>INTRODUCTION.....</b>	<b>4</b>
<b>A PLAN FOR THE IMPLEMENTATION OF THE PROJECT RESULTS AT THE NATIONAL LEVEL</b>	<b>5</b>
<b>B. A PLAN FOR THE IMPLEMENTATION OF THE PROJECT RESULTS AT THE LOCAL LEVEL</b>	<b>11</b>



# Introduction

The goal of the LIFE ClimatePath2050 project **is to contribute to climate change mitigation by setting up a decision support system** to provide better guidance to today's climate mitigation actions and to better shape actions by 2030 in accordance with the mid-century GHG reduction ambitions. The main project objective is to contribute to better climate governance by enhancing the use of quantitative GHG projections and monitoring results.

The purpose of the *Plan for the implementation of the project results during the project period* is to provide information on the main policy documents, strategies, programmes and policy initiatives where **the project results (GHG projections and monitoring results)** are planned to be used already during the project period. The plan is divided into two parts, providing information on planned use of the project results at:

- The national level;
- The local level.

## Status of the plan

The *Plan for the implementation of the project results during the project period* is a part of the project *Inception report* (IR). The plan was discussed at the project Steering committee meeting 22.9.2017, minutes of this meeting [will be] attached to the IR.

Additions to this plan will be discussed at the Steering committee next annual meeting or when needed. Steering committee will also be regularly (at least annually) informed on the implementation of the plan.

Project team will keep up-to-date plan and proposals for its additions at the project web page.

# Summary

The project gained support from the following responsible institutions already when submitted for financing from the EU:

- The Ministry of the Environment and Spatial Planning;
- The Ministry of Infrastructure;
- The Ministry of Agriculture, Forestry and Food;
- The Government Office for Development and European Cohesion Policy;
- Association of Towns and Municipalities of Slovenia.

It is planned that the Climate Action Progress Monitoring System, prepared within the project will be used as follows:

- It will replace and upgrade the existing system for monitoring implementation of the *Operational Programme of Measures for Reducing GHG Emissions until 2020*, (OP GHG, with a target according to the Decision 406/2009/ES) and will be used already in 2018. In years 2019 and 2020 the system will be further improved and its use enhanced.
- From 2020 on, this system is planned to be used as an integrated system for monitoring implementation of GHG, energy efficiency and RES measures.

It is planned that GHG projections and the assessment of the impacts of GHG mitigation scenarios will be used for:

- Preparation of *Long-Term Low Emission Strategy* according to the Paris Agreement.
- *National air pollution control programme* and *National air pollutants projections and informative inventory report*, in line with requirements of the Directive 2016/2284/EU.

The project results might be used also for *Integrated National Energy and Climate Plan (NECP)*, required according to the *Proposal for a Regulation on the governance of the Energy Union* – It might be used if the deadline 1.1.2018 (from the proposal) for preparation of draft NECPs will be changed in the final version of Regulation. See further text for more information.

Other potential uses of the LIFE ClimatePath2050 for strategic planning and monitoring tasks at national level are also listed in the further text.

20 local communities already signed LOI to use LIFE ClimatePath2050 project. Only one of them has already set climate mitigation target for 2030. Most of them will need to update their local energy concepts. The project results *Local Planning Toolkit with Guidelines* and *Climate Mitigation 2050 Potentials and Mid-term Challenges – local planning supplement* are planned to be used by local communities for the preparation of their own strategic documents, where local communities are setting targets and planning climate actions. These documents are: local energy concepts, comprehensive transport strategies of local communities, spatial plans of local communities and strategic energy and climate plans, among others.

*Local Climate Action Scoreboard* will be set up to motivate local communities to use it to compare their progress with that of other communities.

# A. A plan for the implementation of the project results at the national level

## A.1 Use of the project results for monitoring of the implementation of climate actions at the national level

A system for monitoring the implementation of the *Operational Programme of measures for Reducing GHG Emissions until 2020*, (OP GHG, with a target according to the Decision 406/2009/ES), is in place, 2 annual reports were already prepared. However, during the preparation of those reports several gaps were identified: the monitoring of the measures' implementation is for certain measures only partial or it is lacking, there is no consistent methodological approach for the estimation of the GHG emissions reduction, there is not enough information about the climate actions' co-benefits available, decision makers do not seem to be well informed about the reports' conclusions etc. Certain measures are also included also in other programming documents (e.g. National Energy Efficiency Action Plan, National Renewable Energy Action Plan, Rural development Programme, etc.), where other effects (e.g. energy savings, use of RES etc.) for other formal reporting purposes are monitored, therefore increasing the administrative burden of the people responsible for the climate actions' implementation.

The system for monitoring the climate action implementation, to be developed in the frame of the LIFE ClimatePath2050 project Action 4, is planned to be used for monitoring the implementation of OP GHG, already in 2018.

The system will be further developed in the following years in the frame of the project, with the aim to prepare an integrated monitoring system for GHG, energy efficiency and RES measures. It is planned, that the system will be the main system for **monitoring the implementation of the integrated national energy and climate plan** for dimensions: decarbonisation and energy efficiency. If the detailed instruction will be available soon enough, a zero version of the report on implementation of decarbonisation and energy efficiency part of the integrated national energy and climate plans can be prepared in 2020 in the frame of the project LIFE ClimatePath2050.

It is planned that the results of the project LIFE ClimatePath2050 Action C4 will also be used to support:

- Monitoring of the implementation of the *National energy efficiency action plan until 2020* (under **Directive 2012/27/EU**) and the implementation of National renewable energy action plan until 2020 (under **Directive 2009/28/ES**);
- To prepare higher quality reports on policies and measures for reporting under MMR regulation (**Regulation (EU) n. 525/2013**) and similarly for biannual report to the UNFCCC, both in 2019.

## A.2 Use of the project results for strategic planning of the GHG mitigation at the national level

One of the key reasons why a clear **long-term low-carbon policy** has not yet been prepared and adopted in Slovenia is the absence of the comprehensive analytical support (long term GHG projections, impact assessment) which would enable exploration of a range of potential pathways from today to 2050 or even longer and to consider the key choices that will have to be made and understand trade-offs.

According to the Paris Agreement and according to the Proposal for a Regulation on the governance of the Energy Union, Slovenia has an obligation to prepare **Long-Term Low Emission Strategy**, and to submit it by 1. 1. 2020. The political process for the preparation of this strategy has not started yet. The project results (GHG projection and impact assessment) are planned to be one of the key analytical inputs used for the preparation of the Long-Term Low Emission Strategy. The use of the results for the preparation of the Long-term Low Emission Strategy will be supported by the coordination process (action C5).

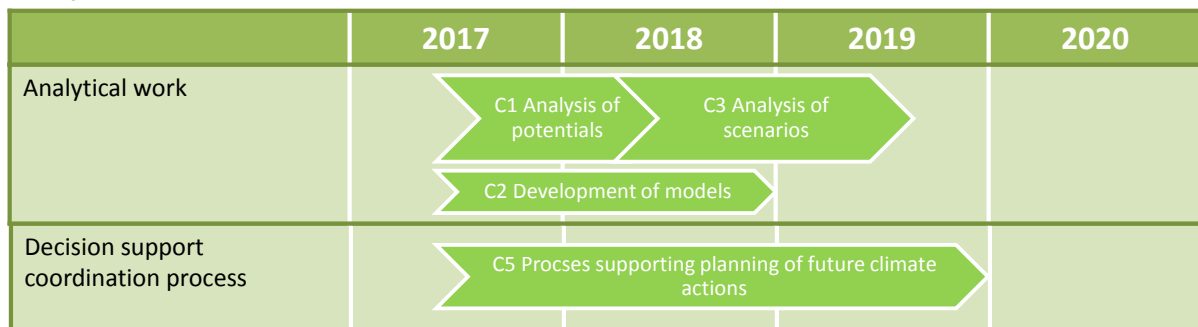
The GHG mitigation projections will also be used for National air pollution control programme and National air pollutants projections and informative inventory report, in line with requirements of the **Directive 2016/2284/EU**.

The GHG projections for the next 50 years developed in the frame of the LIFE ClimatePath2050 project will also be used for:

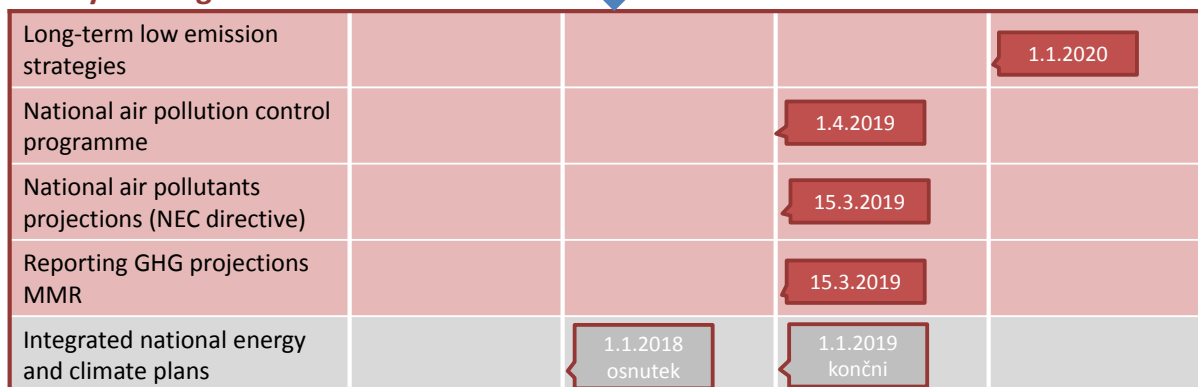
- *Reporting on the national GHG projections in the frame of the reporting obligation under MMR regulation (**Regulation (EU) n. 525/2013**) in 2019 and similarly in biannual report to UNFCCC in 2019;*
- *Reporting on the national emission projections under Directive 2016/2284/EU.*

According to the *Proposal for a Regulation on the governance of the Energy Union*, Member states will have to prepare integrated **National climate and energy plans (NECP)** – drafts by 1.1.2018 and – final plans/document by 1.1.2019. The main LIFE ClimatePath2050 project results (projections and impact assessment) will be available in the middle of 2019 which is too late to be used for the preparation of the NECP. But project results can be used for update of NECP. The results will be prepared in a way to enable preparation of chapter 4 of NECP - Projections with the existing policies and measures and additional policies and measures, chapter 5 - impact assessment of planned policies and measures, chapter 2 - national objectives and targets for the two of Energy Union dimensions - decarbonisation and energy efficiency, and partly for the dimension energy security. The project will not go into details in the area of programming measures (chapter 3), neither will give enough support to address decisions related to energy transmission infrastructure (dimension Internal markets) or constrained and interrupted supply (dimension Supply security).

### Project LIFE ClimatePath2050



### Policy making



**Figure 1:**

**Timeline of the main project results (projections) in relation to the deadlines for the preparation of the key documents, where the project results are planned to be used. For the first integrated National climate and energy plan, only a very limited use of the project results can be planned.**

### A.3 Potential use of the plan for other needs

The LIFE ClimatePath2050 also has the potential to contribute to the following strategic planning and monitoring tasks at national level:

- Preparation of the operation programmes for the next financial prospective (*Rural Development Plan, Operational Programme for the implementation of the Cohesion Policy*);
- Programming specific instruments (e.g. use of results of the analysis of potentials for GHG mitigation for preparation financial instruments);
- Support for monitoring implementation of the national *Long-Term Strategy for Mobilising Investments in the Energy renovation of Buildings*;
- Development plans of transmission system operators;
- Transport development policy;
- General national development strategies.



**Table 1:**  
List of the policy documents, strategies, programmes and policy initiatives at the national level, for which the project results are planned to be used already during the project

Name of the document	Legal basis	Deadline	LIFE ClimatePath2050 results supporting document	Where in the document LIFE ClimatePath2050 support can be used	Which issues cannot be supported by LIFE Climate Path2050 results	Plans for use LIFE ClimatePath2050 results	
<b>PLANNING – NATIONAL LEVEL</b>							
Long-term low emission strategies	Proposal for a <i>Regulation on the governance of the Energy Union Chapter 3</i>	Submission date is 1.1.2020	MOP	Activities C1 on potentials, C2 for model development and C3 for scenario analysis: projections and impact assessment	All main elements.	Most of the elements of the strategy will be addressed in the LIFE ClimatePath2050	The decision making process has not started yet. LIFE ClimatePath2050 is planned to be one of the key analytical inputs for preparation of strategy.
Integrated national energy and climate plan	Proposal for a <i>Regulation on the governance of the Energy Union Chapter 2</i>	Final: 1.1.2019	MZI, MOP	Projection with the existing policies and measures (by 30.9.2018)  Impact assessment of different scenarios with additional policies and measures (by 30.9.2019)  Analysis of potentials (by 30.6.2018)	For two dimensions - <i>Decarbonisation and Energy efficiency</i> and Partly for <i>Energy security</i>  Part II, Chapter 4 Projection with the existing policies and measures  Chapter 5 Impact assessment of planned policies and measures  Part I Chapter 2 National objectives and targets	LIFE ClimatePath2050 will not address the following dimensions of NECP: <i>Internal market</i> (energy transmission infrastructure) <i>Supply security</i> (constrained and interrupted supply)  LIFE ClimatePath2050 will not plan/design instruments needed by 2030 in: Part I Chapter 3 <i>Policies and measures</i>	Timing of LIFE ClimatePath2050 and preparation of the first NECP are not consistent, thus, potential for use of the LIFE ClimatePath2050 results to support NECP is limited.
Update of integrated national and energy plan		1.1.2023	MZI, MOP		As above		The project results will be prepared in a way to support NECP at its update.
National air pollution control programme	<i>Directive 2016/2284/EU</i>	1.4.2019	MOP	Projection with existing policies and measures (by 30.9.2018)	Projected evolution of air pollutants emissions assuming no change to already adopted policies and measures	LIFE ClimatePath2050 will not plan/design instruments needed	Projections with existing measures from LIFE ClimatePath2050 will be available in September 2018 and are planned to be used for this programme.

Name of the document	Legal basis	Deadline		LIFE ClimatePath2050 results supporting document	Where in the document LIFE ClimatePath2050 support can be used	Which issues cannot be supported by LIFE Climate Path2050 results	Plans for use LIFE ClimatePath2050 results
National air pollutants projections and informative inventory report	<i>Directive 2016/2284/EU</i>	15.3.2019, 15.3.2021	MOP	Projection with existing policies and measures (by 30.9.2018)		Preparation of the report	LIFE ClimatePath2050 results will be used for reporting of projections
<b>MONITORING NATIONAL LEVEL</b>							
Setting-up an Integrated system for monitoring integrated national energy and climate plan 2021-2030	<i>Proposal for a Regulation on the governance of the Energy Union, Chapter 4 Reporting</i>		MZI, MOP	The <i>Climate Actions Progress Monitoring System</i> (by 2021 with milestones in 2018 and 2019)	For two dimensions - <i>Decarbonisation and Energy efficiency</i>		LIFE ClimatePath2050 results will be used at setting up the system. It is planned this will be the main system for monitoring implementation NECP for dimensions: decarbonisation and energy efficiency.
The fourth biannual report to UNFCCC	UNFCCC	31.12.2019	MOP	The <i>Climate Actions Progress Monitoring System</i>	Chapters: Policies and Measures; Projections	Preparation of the report	LIFE ClimatePath2050 results will be used for reporting on policies and measures and projections
Report under MMR regulation	<i>Regulation (EU) n. 525/2013</i>	31.3.2019	MOP	Projection with the existing policies and measures (by 30.9.2018)  Scenario with additional policies and measures (by 30.9.2019)	Chapters: Policies and Measures; Projections	Preparation of the report	
The third report on the implementation of OP GHG	OP GHG	15.6.2018	MOP	The <i>Climate Actions Progress Monitoring System</i> , <i>Climate Action-Mirror</i> and accompanying reports Indicators, Catalogue of measures and Ex-post analysis of measures	All chapters		LIFE ClimatePath2050 results will replace the existing monitoring system in 2018 and improve it further in years 2019 and 2020.
The fourth report on the implementation of OP GHG	OP GHG	15.6.2019	MOP				
The fifth report on the implementation of OP GHG	OP GHG	15.6.2020	MOP				

## B. A plan for the implementation of the project results at the local level

By September 5<sup>th</sup>, 2017, 20 local communities already supported the project by signing letters of intent (LOI) to participate in the project and confirm intent to:

- Use the Local Climate Action Scoreboard;
- Consider the use of the Local Planning Toolkit with Guidelines and Climate Mitigation Potentials 2050 and Mid-term Challenges – Local Planning Supplement for the preparation of their own plans;
- Support the project also by participating in project activities at the national level.

### B.1 Monitoring of the climate action implementation at the local level

The main aim of the Local Climate Action Scoreboard is to motivate local communities to monitor progress of local climate actions, to compare with other local communities and to plan more ambitious targets and actions in the future. The objective is to establish “Scoreboard” as a benchmark of GHG mitigation related actions.

### B.2 Planning of the climate action at the local level

It is planned that local communities will use *Local Planning Toolkit with Guidelines and Climate Mitigation 2050 Potentials and Mid-term Challenges – local planning supplement* also for the preparation of their own strategic documents for setting up targets and planning climate actions. These documents are:

- Local energy concepts (which are obligatory for local communities according to the Energy Act);
- Comprehensive transport strategies of local communities (a necessary condition for getting financial incentives – grants for certain measures);
- Spatial plans of local communities, environmental action plans of local communities (which are obligatory for municipal local communities according to the Environmental Act);
- Strategic environmental action plans (documents under Covenant of Mayors) and
- And other general development documents of local communities.

### B.3 Needs for the climate planning support

The list of 20 local communities which have signed LOI to use LIFE ClimatePath2050 project and their needs for climate planning and monitoring are presented in the table. All the communities have comprehensive transport strategies, prepared in 2017, and local energy concepts, where their needs for climate actions are identified. Local energy concepts need to be updated every 10 years and most of the local communities will be preparing an update of their local energy concept in the period 2018-2021.

**Table 2:**  
**The list of 20 local communities which have signed LOI to use LIFE ClimatePath2050 and their needs for climate planning and monitoring.**

		Comprehensive transport strategy		Local energy concept	Covenant of Mayors			Energy renovation of public buildings in the last 5 years	
		Prepared in year	Adopted in year	SEAP	GHG 2020 target	Commitment for 2030	Report		
1	Ajdovščina		2017	2012	NO			NO	YES
2	Divača		2017	2011	YES	-23%		NO	YES
3	Grosuplje		2017	2012	NO			NO	YES
4	Hrpelje Kozina		2017	2010	NO			NO	YES
5	Idrija		2017	2011	YES	-23%	YES	NO	YES
6	Ilirska Bistrica		2017	2008	NO			NO	YES
7	Ivančna Gorica		2017	2011	NO			NO	YES
8	Jezerško		2017	2012	NO			NO	YES
9	Kanal ob Soči		2017	2011	NO			NO	YES
10	Komen		2017	2010	NO			NO	YES
11	Koper	M	2017	2008	NO			NO	YES
12	Logatec		2017	2011	NO			NO	YES
13	Maribor	M	2017	2009	YES	-20%		NO	YES
14	Miren-Kostanjevica		2017	2008	YES	-24%		NO	YES
15	Moravče		2017	2012	NO			NO	YES
16	Nova Gorica	M	2017	2008	NO			NO	YES
17	Pivka		2017	2012	YES	-21%		NO	YES
18	Sežana		2017	2012	NO			NO	YES
19	Šempeter-Vrtojba		2017	2012	YES	-22%		NO	YES
20	Tolmin		2017	2012	YES	-21%		NO	YES

(M) municipal local community.

**Table 3:**  
**Information on the potential and planned use of the LIFE ClimatePath2050 results in the strategic planning and monitoring of the implementation at the local level**

Name of the document	Legal basis	Deadline	LIFE ClimatePath2050 results supporting document	Where in the document LIFE ClimatePath2050 support can be used	Which issues will not be supported by LIFE ClimatePath2050	Plans for use LIFE ClimatePath2050 results
<b>PLANNING – LOCAL COMMUNITIES</b>						
Local energy concepts (all communities)	<i>Energy Act (EZ-1)</i>	By community	<i>Local GHG Mitigation Planning Toolkit with Guidelines Climate Mitigation 2050 Potentials and Mid-term Challenges – Local Planning Supplement (4.6.2020)</i>	Project results are planned of specific topics of Chapters: State of the environment; Analysis of the RES potential; SWOT analysis; Energy related targets; Action Plan		20 local communities have signed Letter of intent (LOI) to consider project results for planning in the future
Integrated transport strategies				Project results are planned to support preparation of specific topics of Chapter: Action Plan		
Local environmental plans (all municipal communities)	<i>Environmental Act (ZVO)</i>					
Sustainable Energy Action Plans Sustainable Energy and Climate Action Plans	<i>2020 Covenant of Mayors 2030 Covenant of Mayors</i>			Project results are planned to support preparation of specific topics of Chapters: Plan of measures and activities for CO2 emissions reduction; Evaluation of CO2 emissions reduction		
<b>MONITORING – LOCAL COMMUNITIES</b>						
Setting-up a system for monitoring of climate actions at the local level			<i>The Local Climate Action Scoreboard (4.6.2018)</i>			20 local communities have signed LOI to use the Scoreboard

## C. Lists

### C.1 List of acronyms and abbreviations

<b>CRF</b>	Common reporting format
<b>CTS</b>	Comprehensive Transport Strategies
<b>EED</b>	Energy efficiency Directive
<b>ETS</b>	EU Emission Trading Scheme
<b>EZ-1</b>	Energetski zakon
<b>GHG</b>	Greenhouse gases, toplogredni plini
<b>IPCC</b>	Intergovernmental Panel on Climate Change
<b>KIS</b>	Kemijski inštitut Slovenije
<b>LULUCF</b>	Land Use, Land-Use Change and Forestry, raba tal, spremembe rabe tal in gozdarstvo
<b>MMR</b>	Monitoring Mechanism Regulation
<b>NREAP</b>	National Renewable Energy Action Plan
<b>OP EKP</b>	Operativni program za izvajanje Evropske kohezijske politike v obdobju 2014–2020
<b>P&amp;M</b>	Policies and measures
<b>RES</b>	Renewable energy sources
<b>UNFCCC</b>	United Nations Framework Convention on Climate Change
<b>WAM</b>	With existing measures

### C.2 List of figures

Figure 1: Timeline of the main project results (projections) in relation to the deadlines for the preparation of the key documents, where the project results are planned to be used. For the first integrated National climate and energy plan, only a very limited use of the project results can be planned. ....8

### C.3 List of tables

Table 1: List of the policy documents, strategies, programmes and policy initiatives at the national level, for which the project results are planned to be used already during the project.....9

Table 2: The list of 20 local communities which have signed LOI to use LIFE ClimatePath2050 and their needs for climate planning and monitoring. .... 12

Table 3: Information on the potential and planned use of the LIFE ClimatePath2050 results in the strategic planning and monitoring of the implementation at the local level ..... 13

### C.4 References