

GRASPINNO

Transnational model, strategies and decision support for innovative clusters and business networks towards green growth, focusing on green e-procurement in EE/RES for energy refurbishment of public buildings.

Deliverable: 4.4.1 Report on GRASPINNO Living Lab

Green Fund Living Lab, Greece

*Prepared by University of Patras and General Secretariat of Commerce and Consumer Protection
– General Directorate of Public Procurement*

with the contribution of Atlantis Consulting

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List of abbreviations

DB	Data Base
DoP	Declaration of Participation
eGPP	electronic Green Public Procurement
GSCCP	General Secretariat of Commerce and Consumer Protection – General Directorate of Public Procurement
KPI	Key Performance Indicator
LCC	Life Cycle Cost
LL	Living Lab
PA	Public Authority
R&I	Research % Innovation
SME	Small and Medium sized Enterprise
UP	University of Patras

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1 EXECUTIVE SUMMARY

GRASPINNO project aims to support and strengthen innovative clusters and network for increasing their capacity and competence in green growth and eco-innovation, especially in innovative energy refurbishment and green public procurement. It addresses the challenge of developing effective energy management solutions by improving the capacity of both public and private sector on eco-innovation solutions by adopting Living Lab methodology. Indeed, the Living Lab (LL) presents a specific trend in open innovation approaches that enables co-creation of novel user-oriented solutions. Its role is likewise deployed within GRASPINNO project to change the stance of actors and civil society toward green sustainable growth. The GRASPINNO Living Labs integrates R&I processes and creates a user-oriented open innovation ecosystem to strengthen transnational cooperation and networking among existing clusters and networks of green energy market eco-innovation. The main goal of GRASPINNO LLs is to transfer the knowledge obtained within the project's pilot actions and to exchange experiences or concerns for green growth, especially including end-users, and so setting the base for further actions.

The Greek Living Lab is established on a national level and it deals with identification of opportunities and promotion of funding and mentoring mechanisms for green growth. The overall goal of the Greek Living Lab (LL), titled Green Fund Living Lab, is to ensure tailored mentoring or financing to SMEs and PAs for eco-innovation actions. The LL is initially funded through GRASPINNO project, which is co-financed by the European Regional Development Fund. Available funding mechanisms will be investigated in order to ensure the operation of the already established Living Lab after the end of GRASPINNO project. The main activity of the Green Fund Living Lab is to identify which coaching, mentoring and funding services SMEs would need to stimulate them for eco-innovation and green energy refurbishment of public business (for example help them to enter the green market by improving or certifying their product, providing access to public funding opportunities, improving the access to private capital). The LL also strives to identify financial tools, grants, types of partnership, possible financial interventions for PAs to establish energy management, green refurbishment of their buildings and green procurements procedures. As far as the stakeholders of the Green Fund Living Lab are concerned, the LL consists of different actors experiencing common challenges, such as PAs, SMEs, mentoring/financing experts, business angles and energy experts. Even though not all of them act equally for Greek LL common scopes, their first interest in this initiative is really intense.

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2 INTRODUCTION

The Deliverable 4.4.1 Report on GRASPINNO Living lab (Green Fund Living Lab, Greece) consist on two main parts, part I and II. The first part of document presents a short introduction to concept of Living labs and the GRASPINNO methodology used in setting up the Living lab, while the second part presents an overview of actual setting up of the Green Fund Living Lab in Greece.

In the part I, the general description and definition of Living Labs is given together with detailed approach on setting up GRASPINNO Living Labs. The set-up of GRASPINNO Living Lab consists of six phases each following several steps, whereas the sequence of this steps within the phases can differ based on the demand or environment of the Living Lab. The deliverable concludes with short but valuable experience of setting up the Living Lab and some valuable conclusions to encourage other interested stakeholders to approach to innovation in field of green energy by adopting Living Lab approach.

In the part II, the setup of Green Fund Living Lab in Greece following the GRASPINNO Living lab methodology is presented. This report is a standalone report and feeds report D4.4.2 Findings from Living labs (together with other GRASPINNO Living Labs reports) where the main conclusions and recommendations deriving from all living labs provide valuable insights for suitability of living labs.

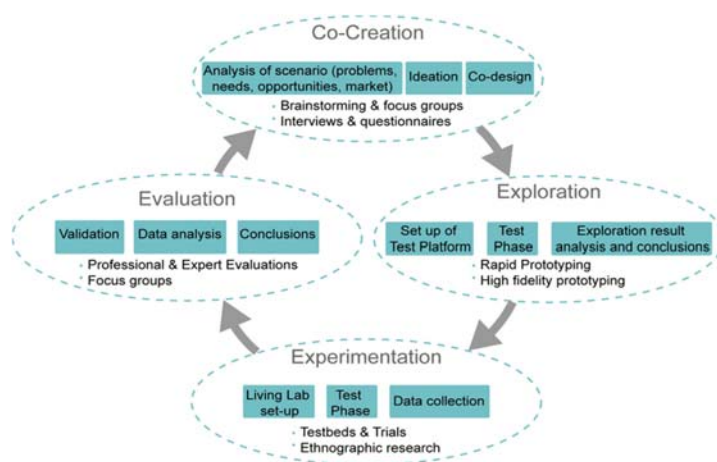
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3 PART I: INTRODUCTION TO LIVING LABS

3.1 GENERAL DESCRIPTION AND DEFINITIONS

Living Labs present a specific trend in open innovation approaches. In Living Lab approach, external ideas are resources in innovation process. The aim of the Living Lab approach is to support innovation process with a usable product or service as a result of the innovation process. Different stakeholders are involved in the Living Lab, from researchers, developers and end-users with the goal to co-create innovative products and services in a real-world environment. The Living Lab concept is based on a systematic user co-creation and integrating research and innovation processes (bringing together users, R&D institutions, producers, service providers and all relevant stakeholders in focused and integrated development process). These are integrated through the co-creation, exploration, experimentation and evaluation of innovative ideas, scenarios, concepts and related technological artefacts in real life use cases. Such use cases involve user communities, not only as observed subjects but also as a source of creation. This approach allows all involved stakeholders to concurrently consider both, the global performance of a product or service and its potential adoption by users. This consideration may be made at the earlier stage of research and development and through all elements of the product life-cycle, from design up to recycling.



*Figure 1: A visual representation of the Living Lab process
(Vicini, Bellini, Sanna, SMART 2012)*

Living Labs usually exploit opportunities of modern ICT and can be seen as “a large, broadly conceptualized laboratory”. Cooperation of all stakeholders (from users, to companies, ICT providers, developers, government organizations, universities and other involved institutions) is sought.

3.2 GRASPINNO LIVING LAB METHODOLOGY

The GRASPINNO Living Lab methodology is applied in each participating country and consists of 6 phases i.e. Connect, Educate and train, Implement, Improve, Evaluate and Disseminate, as shown from Figure 2.

Through Living Lab approach stakeholders (public sector, SMEs as well as other interested participants) are involved as active contributors as well as a source of creation and not only as observed subjects. Namely, innovations (including new approaches and tools) generally face resistance from the users especially if users are not sure about benefits to be gained - this might be especially true for the public sector. Experiential learning is one of the most powerful teaching and learning tools to overcome this reluctance and to facilitate behavioural change. Experiential learning involves: (i) a “reflective learning phase”; (ii) a learning phase coming from the experimentation; and (iii) a learning phase coming from feedback. These phases are well aligned with the phase Educate and train, Implement and Improve of the iterative GRASPINNO Living Lab approach.

Two main types of stakeholders in particular are targeted – namely public sector and product providers (especially SMEs). Beside mentioned, also mentoring/financing experts need to be involved to share their expertise in funding/mentoring opportunities, to invent/produce/use eco-innovative solutions in eGPP/building refurbishment. Additionally, the LL need to involve policy stakeholders with power to design public policies for eco-innovation, action plans for energy refurbishment of public buildings, framework of models, strategies, methods, database and tools to support the green energy MED policies.

In order to implement the Living Lab approach in GRASPINNO procedures were informalized thus the activities of LL are implemented without formalisation in terms of legal commitments, formalisation of procedures and management. The informal establishment of Living Lab, not requiring establishment of new legal entity but only formal commitment to participation (Declaration of Participation or similar) is intended to ease

the involvement of stakeholders. Nevertheless, the work in LL is structured and led by project partners following joint methodological approach. One LL per partner country is mobilized bringing together organisations actively involved in GRASPINNO implementation as well as other organisations interested to observe but not to actively participate. The activities follow the phases of Living Lab as shown below. Some activities are open to all participants while other activities (individual consultations and individual support with implementation) are given only to organisations actively participating in GRASPINNO activities.

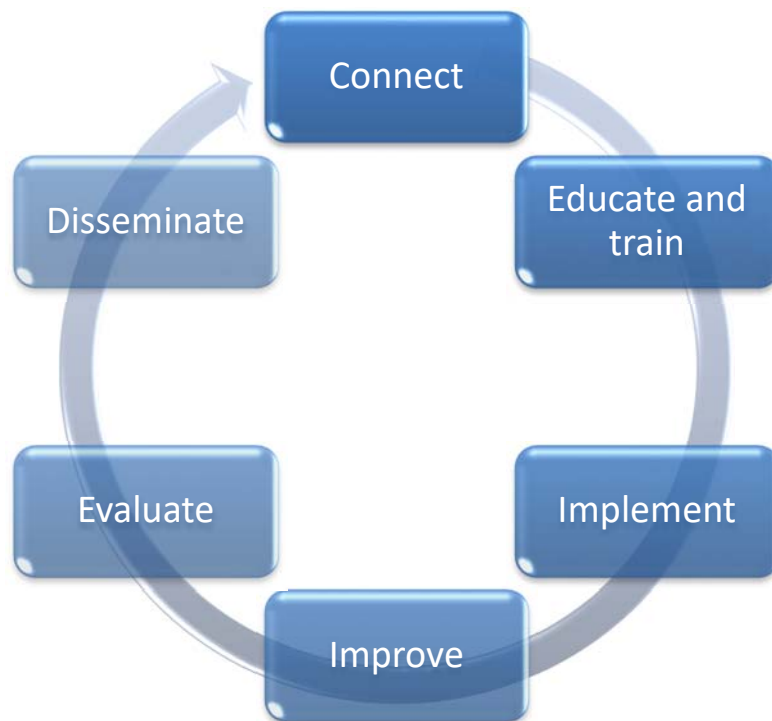


Figure 2: GRASPINNO Living Lab approach

The national Living Labs work together following the same methodology and exchanging experiences. At the same time the Living Lab implementation methodology is flexible enough to allow for adaptations to national/regional specifics.

4 PART II: SETTING UP GREEN FUND LIVING LAB IN GREECE

4.1 Connect

4.1.1 The initiators of Green Fund Living lab in Greece

The Green Fund Living Lab in Greece has been initialised by the University of Patras – Department of Civil Engineering and the General Secretariat of Commerce and Consumer Protection – General Directorate of Public Procurement. ATLANTIS Consulting supports the two aforementioned initiators and contributes towards the successful implementation of the Greek Living Lab. The Greek Living Lab is part of the activities of the project and is implemented in 6 phases (Connect, Educate and train, Implement, Improve, Evaluate and Disseminate), according to GRASPINNO LL methodology. The University of Patras, the General Secretariat of Commerce and Consumer Protection and ATLANTIS Consulting are well representing GRASPINNO project, since they are all partners of the GRASPINNO consortium.

The **University of Patras** was founded in the city of Patras in 1964 and it began functioning in the Academic year of 1966-67, this contributed vastly to the decentralization of Academic Education in Greece. The University of Patras is the third largest University in Greece and includes 24 Departments, with a large number of sectors and consequently a great range of disciplines, which operate 112 laboratories and 14 fully equipped clinics. The University of Patras is really sensitive to the environmental and green challenges, thus many actions were made in order to be transformed in a green university. One of the research teams of the University is focused on the Campus sustainability and promotes widely the recycling, reducing and reusing practises for the mitigation of the waste issues. The Green Fund Living Lab initiative started from the Department of Civil Engineering of the University of Patras, the lead partner of GRASPINNO project. The Department of Civil Engineering has a great experience in the European projects, both as a partner and Lead partner. Moreover, several initiatives were started by the intensive efforts of the GRASPINNO management team. The last 6 years the Department of Civil Engineering focuses on the “Green Procurement” and the smart cities concept within the energy sector, during 2012 – 2015 project GRASP was implemented under the Interreg-MED Programme. The actions on the green procurement continuously play a key role in the Department of Civil Engineering research, in the last 2 years the green e-procurement and green solutions

on the energy refurbishment of public buildings are actively promoted through the GRASPINNO project. Within the activities of GRASPINNO the Green Fund Living Lab demonstrates an innovative approach for transferring knowledge and exchanging experiences and best-practices.

The **General Secretariat of Commerce and Consumer Protection** (GSCCP) is part of the Ministry of Economy and Development of the Hellenic Republic. The GSCCP is responsible for the formulation and implementation of government policy for trade and consumer protection and the improvement of the business environment. As a partner in the GRASPINNO consortium, the GSCCP has established a Working Group in the General Directorate of Public Procurement, which is responsible for all the activities of GRASPINNO project. The strategic goal of the General Directorate of Public Procurement is the overall management of public procurement of goods and services. More particularly, the GSCCP ensures the benefit of public interest and the development of sustainable cooperative relationships between public authorities and economic operators. Through its operational procedures the General Directorate of Public Procurement seeks to enhance competitiveness, innovation, green growth and improvement of entrepreneurship and to achieve cost savings of the State resources by implementing smart and electronic procurement procedures, such as framework agreements, dynamic purchasing systems and e-catalogues. In addition, the General Directorate of Public Procurement has a strategic role on planning and implementing public procurement as a National Central Purchasing Body for goods and services, established by law. The General Directorate of Public Procurement is also responsible for managing and supporting the operation of the National System of Electronic Public Procurements (ESIDIS) and the Central Electronic Registry of Public Procurements. Finally, the General Directorate of Public Procurement is the proceeding authority for the National Action Plan for Green Public Procurement.

ATLANTIS Consulting is a private firm (est. 1992), composed of 20 highly skilled employees (engineers, economists, IT and science & technology experts). Among others, the company has extensive experience in the management and implementation of regional/national/international projects. Regarding, activities related to “Green Procurement”, ATLANTIS has experience in the identification of general specifications and standards that should govern “green” eProcurement models and the provision of eProcurement services. Moreover, ATLANTIS has expertise in coaching/mentoring of SMEs/Start-Ups in the “green” growth sector and has established cooperation with partners experienced in “green” energy, eco-innovation, energy refurbishment of public

buildings and competent government/regional authorities experienced in eGPP (electronic “green” public procurement).

Table 1: Green Fund Living Lab Initiators – Contact Persons

Acronym	Organisation	Contact person	e-mail
UP	University of Patras – Department of Civil Engineering	Marousi Konstantina	markwnna@gmail.com
		Kouta Marina	marinakouta@yahoo.com
GSCCP	General Secretariat of Commerce and Consumer Protection	Zacharopoulou Anastasia	azacharopoulou@eprocurement.gov.gr
		Marina Sanozidou	msanozidou@yahoo.com
ATLANTIS	ATLANTIS Consulting	Tzifopanopoulos Tasos	tzifopanopoulos@atlantisresearch.gr

The UP and the GSCCP are responsible for the operation of the Green Fund Living Lab (supported by ATLANTIS), they manage all six individual steps of the LL (connect, educate and train, implement, improve, evaluate and disseminate). The main role of the initiators of the Green Fund Living Lab is to coordinate the LL, thus leading the set-up of the LL and its operation activities is one of the first priorities for the success. Moreover, the coordinators of the Greek Living Lab motivate the stakeholders to actively participate in the activities of the LL, including: meetings, workshops and training seminars. All the activities of the Greek Fund LL are addressing common challenges of stakeholders in a national level. The initiators also determine the scheduling of the LL activities and communicate with all relevant/potential stakeholders in order to increase their interest on the LL’s activities and to provide them all the necessary input to keep them up to date with all the developments on the Green Fund in Greece.

4.1.2 Potential stakeholders of Green Fund LL

The initiators of the Green Fund Living Lab are responsible for the initialisation and the preparation of the Greek Living Lab. Several meetings were held between the GSCCP and UP in order to co-decide the topic of the Living Lab and all the relevant stakeholders to be invited to take part in the Living Lab. Preparatory activities started in late October with discussions about the national needs focused on the funding opportunities for promoting the green growth in Greece. Furthermore LL initiators discussed about the effectiveness

and the sustainability of the Living Lab. Decision was taken to co-organise all the individual steps of LL in order to ensure the participation of crucial stakeholders. Activities continued until mid-January 2018 when both initiators have ratified their common actions. Afterwards the initiators were focused on inviting members from several different working areas and organisation types for participation in the LL activities. The funding schemes and the financial opportunities are a key challenge, not only for the SMEs, but also for the Public Authorities who have to manage great public works and procurements. Moreover, the economic crisis in Greece has made the “green solutions” development more difficult. Although clean energy products, use of Renewable Energy Sources and public buildings refurbishment is one of the governmental priorities, the “most economic” products seem to be more popular than the greener ones. Thus it was decided to bring together the economic funding coordinators with the private and public authorities, who are seeking funding opportunities. Accordingly the Greek LL initiators decided to invite thirty-seven (37) different organizations (summarized in the table below).

Table 2: Initially Identified Stakeholders List

Nr.	Stakeholder	Government/SMEs/Organisation
1	Ministry of Interior	Governmental Ministry
2	Hellenic Ministry of Economy and Development	Governmental Ministry
3	Hellenic Ministry of Digital Policy, Telecommunications and Media	Governmental Ministry
4	Hellenic Ministry of National Defense	Governmental Ministry
5	Hellenic Ministry of Education, Research and Religious Affairs	Governmental Ministry
6	Hellenic Ministry of Labour and Social Security	Governmental Ministry
7	Hellenic Ministry of Foreign Affairs	Governmental Ministry
8	Hellenic Ministry of Justice, Transparency and Human Rights	Governmental Ministry
9	Hellenic Ministry of Economy and Finance	Governmental Ministry
10	Hellenic Ministry of Health	Governmental Ministry
11	Ministry of Administrative Reform and e-Governance	Governmental Ministry
12	Hellenic Ministry of Culture and Sports	Governmental Ministry

Nr.	Stakeholder	Government/SMEs/Organisation
13	Hellenic Ministry of the Environment, Energy and Climate Change	Governmental Ministry
14	Hellenic Ministry of Infrastructure, Transport and Networks	Governmental Ministry
15	Hellenic Ministry for Mitigation Policy	Governmental Ministry
16	Hellenic Ministry for Mercantile Marine and Island Policy	Governmental Ministry
17	Hellenic Ministry of Rural Development and Food	Governmental Ministry
18	Hellenic Ministry of Tourism	Governmental Ministry
19	Attica Region	Regional Authority
20	Municipality of Patras	Local Authority
21	Region of Western Greece	Regional Authority
22	2 General Hospitals in the City of Patras	Public Hospitals
23	University of Patras	Public Institution
24	Region of Peloponnese	Regional Authority
25	Municipality of Kozani	Local Authority
26	Technological Institution of Western Macedonia	Public Institution
27	Chamber of Achaia	Public
28	Chamber of Commerce and Industry of Athens	Public
29	Center for Renewable Energy Sources and Saving – CRES	Public entity, supervised by the Ministry of Environment and Energy
30	Public Power Corporation	Public Energy Provision
31	Hellenic Confederation of Professionals, Craftsmen & Merchants (GSEVEE)	Association of SMEs
32	ECO PROGRESS	Private-SME
33	ESCO	Private-SME
34	GLOBILED	Private-SME
35	Financial Bodies	-
36	Consultants	Individual Consultants
37	AMBRUS IKE	SME

Potential stakeholders consists of 9 different types: governmental bodies (several ministries), public institutions, public hospitals, local and regional authorities, SMEs and financial bodies, and individual consultants.

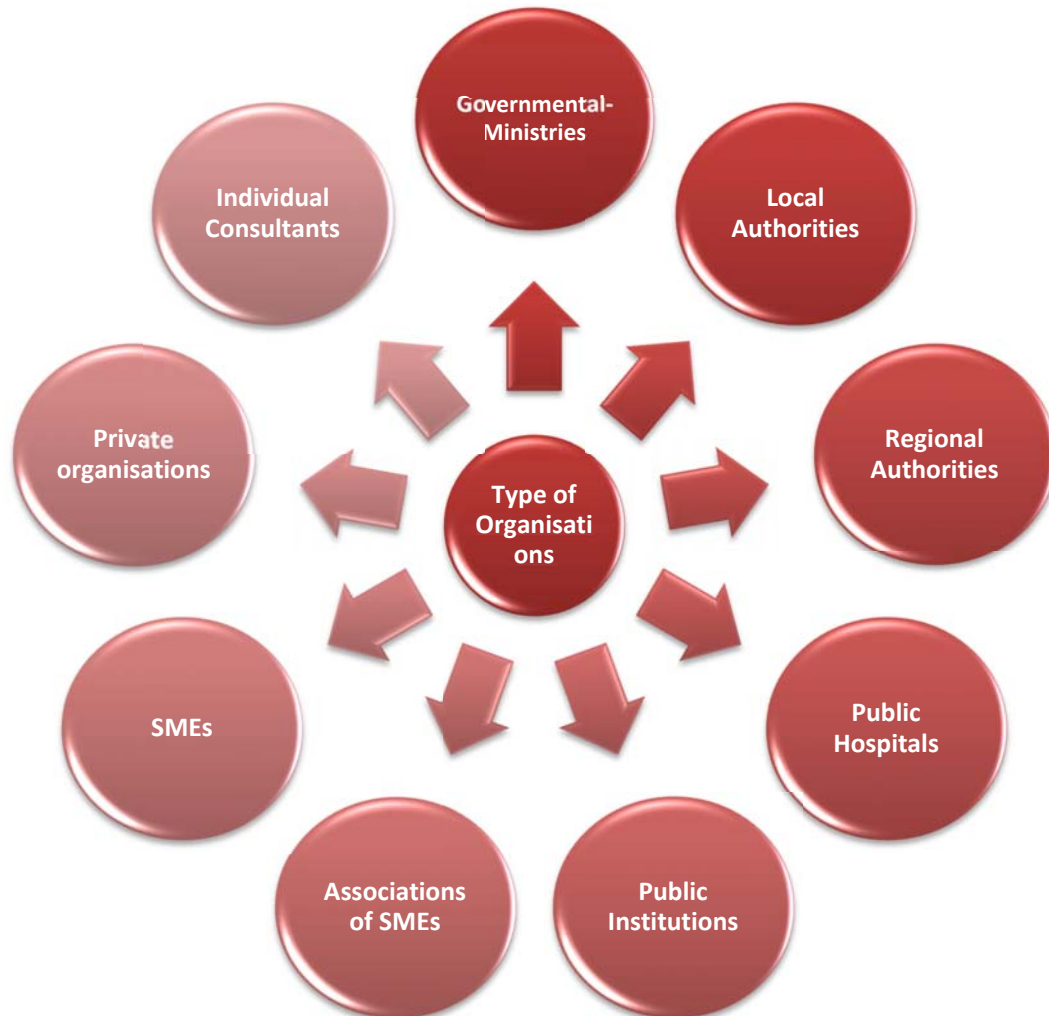


Figure 3: Green Fund Living Lab Invited Stakeholders – Types of Organisations

All the relevant stakeholders were initially invited by an email with an official invitation and a clear description of the Green Fund Living Lab scope and activities. A follow-up telephone calls were made to all invited stakeholders in order to further explain the benefits from setting up an LL on the green funds and the importance of participating on it. In some cases personal meetings were held with prominent stakeholders to urge them to be part of this initiative. In fact, the institutional strength of the GS CCP seemed to have

a catalytic impact for approaching a great number of governmental authorities who responded positively to the invitation. In addition, the Municipality of Kozani, along with the Technological Institution of Western Macedonia (TEIWM), were involved in the pilot activities of the University of Patras, since the Municipality of Kozani is the contracting authority for the net-metering PV system under installation in 13 public schools of the municipality, and the TEWIM was the main contact point between the University of Patras and the Municipality of Kozani. Moreover, the majority of the SMEs who invited in the Greek Living Lab, got involved in GRASPINNO pilot activities. In addition, the GSCCP had procured a framework agreement for energy efficient products, where 18 ministries were involved and some economic operators had taken part.

4.1.3 The scope of Green Fund Living Lab

The Greek Living Lab operates within the main scope of identifying and promoting funding and mentoring mechanism opportunities for green growth which is of the highest priority in Greece.

Although several public and private funding mechanisms and opportunities for the eco-innovation actions in energy refurbishment exist, most PAs and SMEs are not aware of them. Moreover, the funding opportunities are generally limited in comparison to previous years. Through the Greek Living Lab, the participants have the chance to discuss on potential solutions and already existing mechanisms. They also investigate the possibility to propose new reallocations of the funds, according to the development of the innovative/green products. A larger number of organisations was invited in order to stimulate dialogue and to find/ propose a common route to exploit potential benefits for the group of stakeholders. Coaching, mentoring and funding services needed by SMEs have to be identified in order to stimulate their participation in innovation and green energy refurbishment of public business. The Greek LL also deals with identification of financial tools, types of partnership, possible financial interventions for PAs to establish energy management, green refurbishment of their buildings and green procurement procedures.

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4.1.4 Green Fund Living Lab plan

4.1.4.1 *The Green Fund Living Lab objectives*

The majority of public authorities and SMEs are not aware of the current funding solutions and opportunities for the green growth in Greece. Through the Green Living Lab operation, the LL initiators GSCCP and UP aim to identify and promote these funding mechanisms and opportunities, by trying to involve not only PAs and SMEs, but also experienced mentors and clusters. The ecosystem's development to be enhanced through the harmonic symbiosis of those type of stakeholders and clusters. The green growth sector is the energy refurbishment of public buildings with the use of eco-innovative products and renewable energy sources usage. The initiators of the Green Fund Living Lab also focus on the sustainability of the lab and the continuous communication between the stakeholders, in order to achieve its goals.

4.1.4.2 *The Green Fund Living Lab activities*

During the early beginning of the Green Fund Living Lab, the initiators have clarified their responsibilities for this initiative and have highlighted the membership role. Frequency of LL's meetings and communication tools were determined, together with planning of individual meetings in order for some of the membership to bring the results of a research to all stakeholders. Training materials were planned to be produced after the 1st joint event organized at the end of February 2018. The training material include all the practices, which have been collected through the keynote speakers' discussion with the participants.

For the 1st event in the education and training phase of the Greek Living Lab, the initiators UP and GSCCP have invited several keynote speakers who are experts in green funds, not only in a national level but also in the European region. The initiators were in contact with the DG Energy-Unit C2, New Energy Technologies, innovation and clean coal of the European Commission and the DG Communications Networks, Content and Technology-Directorate F Digital Single Market-Unit F3 Start Ups and Innovation. The representatives of those two organization expressed their positive thoughts for this initiative. Moreover, the UP has already discussed about a new funding practice (Internal Contracting), which has been piloted through the Energy Cities project. The representatives of the project also showed their enthusiasm on the Greek Fund LL. All the individual steps of the LL operation were organized in detail, thus ensuring the sustainability of the Green Fund Living Lab.

One of the important activities of Greek LL is collection good practices and schemes for the public buildings green energy refurbishment, with eco-innovative products. Though the LL operation, public authorities and SMEs will learn how to identify green funds related opportunities and to undertake all administrative procedures for claiming a fund. In addition, the training phase will be implemented for the participants in order to familiarize them with GRASPINNO platform. The LL will also disseminate GRASPINNO results from the pilot activities and it could be the lever for transforming the results and practices to policy recommendations.

4.1.4.3 The Green Fund Living Lab stakeholders' role and responsibilities

LL initiators GS CCP and UP are both responsible for the setup of the LL, for its smooth operation and for the organisation of the meetings between the stakeholders. Generally, they are also the organisers of the events, which are part of the activities of the LL. ATLANTIS took over the all activities related to GRASPINNO eGPP tool and also presentation of available public and private funding mechanisms and opportunities for the eco-innovation actions in energy refurbishment. The stakeholders are responsible for using the training material and to test the training tool. The stakeholders implementing public procurements have tested GRASPINNO Unified Platform for their tenders in order to measure the effectiveness of the proposed funding mechanisms. Final activity of LL is establishment of constant dialogue between public authorities and SMEs for the new eco-innovative products and services.

4.1.4.4 The Green Fund Living Lab cost issues

The Green Fund Living Lab is set up by the funds of GRASPINNO project, which is co-financed by the European Regional Development Fund. During its operation, the Greek Living Lab initiators have planned to establish the LL as a necessary important initiative, as a mean of stakeholders' discussion and as a path of finding green growth funds in Greece. Thus, the Green Fund Living Lab should be a vivid organization, beneficial for both PAs and SMEs. Solutions for the sustainability of LL after GRASPINNO project end will be investigated.

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4.1.4.5 The Green Fund Living Lab profit issues

No profits are expected to arise from the activities of the Greek LL, especially not during the GRASPINNO implementation.

4.1.4.6 The Green Fund Living Lab risk issues

The first risks for establishing the Green Fund Living Lab were identified on the possibility of receiving a poor response from the stakeholders. This is the main risk when an initiative is trying to be set for the first time. The initiators of the Greek Living Lab overcame this issue, since a remarkable number of participants has already responded positively to this initiative.

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4.1.4.7 The Green Fund Living Lab time plan

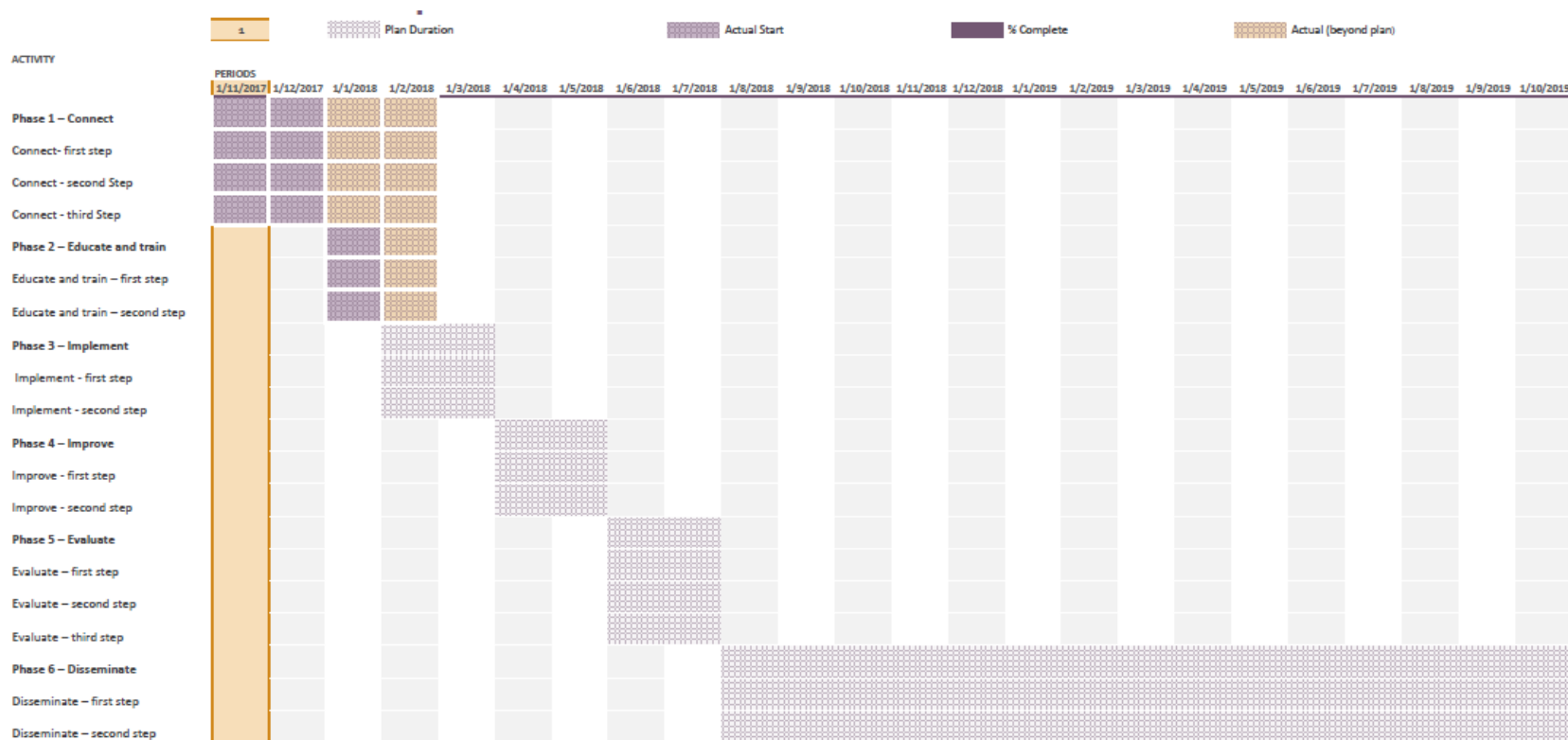


Figure 4: Green Fund Living Lab Time Plan

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OF COMMERCE &
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4.1.5 Declaration of participation

The declaration of participation (DoP) in Green Fund Living Lab was signed by 16 stakeholders. The following table shows the list of the stakeholders who have signed the Declaration of Participation. Moreover, the signed Declaration of Participation are included in the Annex of this Report.

Table 3: Green Fund Living Lab Members

Nr.	Stakeholder	Organisation Type	LL Member Name	Participant's role
1	University of Patras	Public Institution	Marousi Konstantina	Green Fund LL Initiator
			Kouta Marina	Green Fund LL Initiator
2	General Secretariat of Commerce and Consumer Protection	Governmental Ministry	Zacharopoulou Anastasia	Green Fund LL Initiator
			Marina Sanozidou	Green Fund LL Initiator
3	Atlantis Consulting	Private	Tzifopanopoulos Tasos	Green Fund LL Contributor
4	Ministry of Infrastructure, Transport and Networks	Governmental Ministry	Evangelia Stavropoulou, Directorate of Transport Development	LL member
			Basileios Tzoumas, Directorate of Road Infrastructure	LL member
5	Ministry of Administrative Reform and e-Governance	Governmental Ministry	Spyridwn Tsoukalas, Special assistant of the General Secretary of Administrative Reform	LL member
			Dimitrios Danas, Head of the Department of Procurement, Infrastructure and Materials Management	LL member
6	Ministry of Rural Development and Food	Governmental Ministry	Christina Diamantaki, Head of the Department of training and performance the Procurement Program, of the Directorate of Procurement, Infrastructure and Materials Management	LL member

Nr.	Stakeholder	Organisation Type	LL Member Name	Participant's role
7	Ministry of Justice, Transparency and Human Rights	Governmental Ministry	Sofia Livitsanou	LL member
			Haralampos Zervos	LL member
8	Ministry of Interior	Governmental Ministry	Maria Kostopoulou	LL member
9	Center for Renewable Energy Sources and Saving – CRES	Public entity, supervised by the Ministry of Environment and Energy	Louiza Papamikrouli	LL member
	Technological Institution of Western Macedonia	Public Institution	Georgios Haitidis	LL member
10	ECO PROGRESS	Private-SME	Adreas Kotsifas	LL member
11	ESCO	Private-SME	Ioanna Giannouli	LL member
12	GLOBILED	Private-SME	Spyridon Nikolaidis	LL member
13	Konstantinos Xynas-Consultant	Private - Consultant	Konstantinos Xynas	LL member
14	VasileiosDikeoulas-Consultant	Private - Consultant	Vasileios Dikeoulas	LL member
15	AMRUS IKE	Private	TzelepisIoannis	LL member
16	Liana Stathopoulou-Consultant	Private - Consultant	Liana Stathopoulou	LL member

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4.1.6 Key Performance Indicators

In order to measure overall performance and effectiveness of LL and proposed solutions/opportunities assorted Key Performance indicators (KPIs) have been specified (presented in Table below). These KPIs will be measured on level of Living Lab coordinator while different set of indicators will be used on level of LL participants.

Table 4: Living Lab Key Performance Indicators (KPIs)

Area	No.	Performance indicator name	Metric	Description of performance indicator
Potential stakeholders (identification phase)	1	Number of potential PAs	No.	The indicator measures the number of potential PAs contacted by LL initiator to be involved in LL activities.
	2	Number of potential SMEs	No.	The indicator measures the number of potential SMEs contacted by LL initiator to be involved in LL activities.
	3	Number of potential higher education and research organizations	No.	The indicator measures the number of potential higher education and research organizations contacted by LL initiator to be involved in LL activities.
	4	Number of potential business support organisations	No.	The indicator measures the number of potential business support organizations contacted by LL initiator to be involved in LL activities.
	5	Number of potential other organizations	No	The indicator measures the number of potential other organizations contacted by LL initiator to be involved in LL activities.
Participating stakeholders (connect phase)	6	Number of PAs	No.	The indicator measures the number of PAs involved in Living lab activities by signing the DoP.
	7	Number of SMEs	No.	The indicator measures the number of SMEs involved in Living lab activities by signing the DoP.
	8	Number of higher education and research organizations	No.	The indicator measures the number of higher education and research organizations involved in Living lab activities by signing the DoP.
	9	Number of business support organisations	No.	The indicator measures the number of business support organizations involved in Living lab activities by signing the DoP.
	10	Number of other organizations	No.	The indicator measures the number of other organizations involved in Living lab activities by signing the DoP.

Area	No.	Performance indicator name	Metric	Description of performance indicator
LL meetings	11	Number of individual meetings	No.	The indicator measures the number of individual/one-on-one meetings (for example between LL coordinator and other stakeholders, or between two stakeholders).
	12	Number of joint LL meetings	No.	The indicator measures the number of joint LL meetings (meetings held among all or almost all stakeholders).
	13	Number of participants on joint LL meetings	No.	The indicator measures the average number of participants per joint meetings.
	14	Number of meetings between LL coordinators	No.	The indicator measures the number of meetings organized between LL coordinators in case where more LL coordinators have been identified.
	15	Number of unique participants	No.	The indicator measures the number of unique (distinct, individual) participant (individual participant participating in two meetings is only counted once).
	16	Average duration of joint meetings	min	The indicator measures the average duration of joint meetings (in minutes).
Themes presented	17	Number of best practices	No.	The indicator measures the number of best practices (funding, procurement, energy savings, energy efficiency, building refurbishment etc....) presented within LL activities by LL coordinator or participants.
	18	Number of tools	No.	The indicator measures the number of tools (funding, procurement, energy savings, energy efficiency, building refurbishment etc....) presented within LL activities by LL coordinator or participants.
	19	Number of funding possibilities for green investments	No.	The indicator measures the number of funding possibilities for green investments presented within LL activities.

Area	No.	Performance indicator name	Metric	Description of performance indicator
Benefits gained	20	Co-creation of novel user-oriented solutions	Likert scale	The indicator measures if LL enables co-creation of novel user-oriented solutions.
	21	Strengthen the cooperation and trust between public and economic operators	Likert scale	The indicator measures if LL strengthen the cooperation and trust between public and economic operators.
	22	Strengthen cooperation among LL stakeholders	Likert scale	The indicator measures if LL support and strengthen cooperation among LL stakeholders.
	23	Strengthen stakeholders transnational cooperation and networking	Likert scale	The indicator measures if LL strengthen stakeholder's transnational cooperation and networking with other organizations (PA's, SME's, clusters etc....).
	24	Exchange experiences or concerns for green growth	Likert scale	The indicator measures if LL enables to exchange experiences or concerns for green growth among LL stakeholders.
	25	More positive attitude towards green sustainable growth	Likert scale	The indicator measures if LL enables more positive attitude towards green sustainable growth among LL stakeholders.
	26	Development and promotion of innovative products	Likert scale	The indicator measures if participation in GRASPINNO LL has enabled SMEs to better develop and promote innovative products.
	27	Improving knowledge and implementation of effective measures for energy management	Likert scale	The indicator measures if PA's, with participation in GRASPINNO LL, can improve their knowledge/understanding of energy management and can develop/implement effective measures.
	28	Partnerships in the field of green refurbishment of buildings and green public procurement	Likert scale	The indicator measures if PA's can benefit from different types of partnerships in the field of green refurbishment of their buildings and green public procurement.
	29	Effective policy recommendations for green energy innovation, green public procurement and energy refurbishment	Likert scale	The indicator measures if Policy makers, with participating in GRASPINNO LL, feel more competent in field of effective policy recommendations for green energy innovation, green public procurement and energy refurbishment.

Area	No.	Performance indicator name	Metric	Description of performance indicator
Knowledge	30	Knowledge on green policies (EU, national, local)	Likert scale	The indicator measures level of knowledge of LL stakeholder on EU, national and local green policies for eco-innovations and energy refurbishment of buildings before and after participating in GRASPINNO living lab activities.
	31	Knowledge on available mentoring mechanisms	Likert scale	The indicator measures level of knowledge of LL stakeholder on mentoring mechanisms for eco-innovations and energy refurbishment of buildings before and after participating in GRASPINNO living lab activities.
	32	Knowledge on funding possibilities for green investments	Likert scale	The indicator measures level of knowledge of LL stakeholder on funding possibilities for green investments, eco innovations and energy refurbishment of buildings before and after participating in GRASPINNO living lab activities.
	33	Knowledge on green public procurement (competence, skills)	Likert scale	The indicator measures level of knowledge of LL stakeholder on green public procurement before and after participating in GRASPINNO living lab activities.
	34	Knowledge on best practices	Likert scale	The indicator measures level of knowledge of LL stakeholder on best practices on funding, procurement, energy savings, energy efficiency, building refurbishment before and after participating in GRASPINNO living lab activities.
	35	Knowledge on GRASPINNO Living Lab concept	Likert scale	The indicator measures level of knowledge of LL stakeholder on GRASPINNO Living lab concept before and after participating in GRASPINNO living lab activities.
	36	Knowledge on GRASPINNO pilots actions in field of green energy	Likert scale	The indicator measures level of knowledge of LL stakeholder on pilot's actions in field of green energy before and after participating in GRASPINNO living lab activities.
	37	Knowledge on GRASPINNO eGPP tool (public procurement)	Likert scale	The indicator measures level of knowledge of LL stakeholder on GRASPINNO eGPP tool (public procurement) before and after participating in GRASPINNO living lab activities.

Area	No.	Performance indicator name	Metric	Description of performance indicator
eGPP	38	Number of public tenders processed	No.	The indicator measures the total number of public tenders which were carried out while fully or partially using the eGPP platform.
	39	Number of products processed	No.	The indicator measures the total number of products which were inserted in eGPP platform.
	40	Number of services processed	No.	The indicator measures the total number of services which were inserted in eGPP platform.
	41	Number of PA registered in eGPP platform	No.	The indicator measures the total number of PA registered in eGPP platform.
	42	Number of SME registered in eGPP platform	No.	The indicator measures the number of SME registered in eGPP platform.
	43	Average time to enter 1 product	min	The indicator measures the average time spent by end user to enter the product into eGPP platform (in minutes).
	44	Average time to enter 1 service	min	The indicator measures the average time spent by end user to enter the service into eGPP platform (in minutes).
	45	Average time to publish 1 tender	min	The indicator measures the average time spent by end user to enter the tender specification and publish it on eGPP (in minutes).
	46	Number of operational errors per tender/product service entry	No.	The indicator measures the number of errors detected while using the eGPP (problems with login, malfunctioning links, problems with entering data etc....).
	47	Number of necessary corrections	No.	The indicator measures the number of necessary corrections reported by end users of eGPP (not functioning links, mistakes in language etc....).

4.2 Educate and train

The Green Fund Living Lab educate and train event took place at National Centre for Public Administration and Local Government (EKDDA) in Athens (Greece) on 28th February 2018. The event was co-organised by the General Secretariat of Commerce and Consumer Protection – General Directorate of Public Procurement and the University of Patras, with the common scope of identifying and promoting funding and mentoring mechanism opportunities for green growth. The event brought together more than 100 (90 participants and 13 speakers-educators) stakeholders from various organisations and organisational types. The wide majority of the participants came from several Greek Ministries, who influence the decision making process and influence the share of the funds in Greece, according to the governmental priorities. Several educational institutions attended the events, among others University of Patras, National Technical University of Athens and the Technological Institute of Western Macedonia (TEIWM). Additionally, several professional associations, representatives of regional administration, Managers of National Funds, SMEs, private organizations and individual consultants, participated in the event.

The event was organized in two sessions: session devoted to education and session devoted to training, as explained further on.

4.2.1 Educate stakeholders

The main goal of education session was the education on funding and mentoring mechanism for green growth and their promotion to the Public Authorities and SMEs. Within the education session several knowledge has been provided to stakeholders referring to different content assemblies as seen further on.

Operational and funding programmes

- Operation funding programmes and regional programmes in the energy sector, with emphasis on investments in national priorities of the energy efficiency of the public buildings and offices, by the energy refurbishment of: the houses, the public buildings & infrastructures and the small scale interventions on the SMEs' offices
- Executive Structure of NSRF for the Ministry of Environment and Energy in the Energy sector with existing funds for the programming period 2014-2020.
- European structural and investment funds

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- Operational Programme on "Competitiveness, Entrepreneurship and Innovation" (EPAnEK)
- 2018-2020 calls for expressing interest in support of PCP and PPI for several sectors, which could be found in the next two figures
- Policies and the Financial tools for the energy refurbishment of the public buildings
- Special Management of the Operational Program "Competitiveness and Entrepreneurship"

Projects

- GRASPINNO project under Interreg Med Programme
 - o Presentation aimed to provide the participants with all the necessary information on GRASPINNO project, which motivated the use of the Living Labs as an innovative approach for co-creating, exploring and evaluating a certain item or topic.
 - o The experience from publishing the framework agreement for the procurement of energy efficient air-conditioning machinery, under the scope of implementing a GRASPINNO pilot.
 - o GRASPINNO Unified Platform
 - o The need for continuous cooperation through the Green Fund Living Lab,
- FINERPOL project (Interreg EUROPE Programme), which provides technical support and investigates for financial instruments for energy renovation policies.
- PROCURE2INNOVATE (Horizon 2020 Programme) for the Public Procurement of Innovative Solutions.

Energy Saving, refurbishment and condition

- Energy Saving and Innovation at a European Level
- EU support for implementing a Public Procurement for Innovation
- Energy refurbishment of the public building and the existing funding mechanisms for these interventions.
- Current energy condition for the public buildings in Greece and the energy goals of the EU until 2020 and 2030.
- Energy Performance Certificates for the public buildings
- Alternatives for energy savings in the Greek public building and the implementation of the supportive policies for reductions in energy consumptions.

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- Challenges and the perspectives of the energy market, with a focus on the environmental footprint of the public administrations actions.
- Increasing the use of Renewable Energy Sources (RES) and the major need for district heating in the public buildings.

SME related topics

- Financing Tools for SMEs who are involved in the green energy refurbishment
- Energy Services Business Register

Role of research institutes

- The role of National Technical University of Athens and representative of the Technical Chamber of Greece (TEE-TCG) in the energy savings sector both in a local level and a regional level
- The role and knowhow of Technological Institute of Western Macedonia (TEIWM) for supporting PAs in preparing their tenders.



Figure 5: Pictures of the Green Fund LL Event

The event was really helpful for the majority of the participants, since they had the chance to communicate their ideas with the educators and to discuss national funding mechanisms.

4.2.2 Train the stakeholders

The main goal of train session was to motivate the stakeholders to exercise on the Unified platform and to investigate further the relation of the green products with the green tenders. In beginning of the training, the participants were classified in SME group and PA group. The classification was made for sharing the training session on GRASPINNO Databases (DBs) in two parts, since there are different DBs for the SMEs and PAs. The SMEs were trained on the DBs for SMEs and PAs were trained on the GRASPINNO DBs for public authorities. Afterwards, the trainers, trained the participants on using GRASPINNO eGPP tool and the session closed with the overall presentation of GRASPINNO LCC tool.

The progress of the training course was smooth, without interruptions or malfunctions. The participants commented positively the platform usability and usefulness. For the purposes of the training course UP used the Del. 3.4.2 Upgraded tools with updated user manuals for GRASPINNO pilots and workshops and the abovementioned videos. The produced tools manuals were fully efficient for the needs of this event. Concluding, through this training course the stakeholders familiarised not only with the platform, but also with GRASPINNO main idea, expected results and outcomes.



Figure 6: Photos from the training session

4.3 Implement

4.3.1 Process of implementing the Funding and Mentoring Guidelines and promoting GRASPINNO Unified Platform

The Greek Living Lab deals with funding and mentoring mechanism opportunities for green growth. Thus, the implementation process for the Green Fund Living Lab includes the development of a Brochure with Guidelines for Funding and Mentoring mechanisms and best practices for promoting the green solutions (e.g. eco-innovative solutions, energy efficiency, renewable energy sources).

For promoting GRASPINNO Unified platform, the Green Fund LL Initiators have already organized several training activities. The training activities have been completed with proposing the stakeholders to create their accounts on the Unified Platform and proceeding with adding new products and services (for SMEs) or preparing and publishing their tenders (for PAs). In this case, the new accounts and the completion of tasks in GRASPINNO Unified Platform, can be considered part of the implementation procedure. Furthermore at the end of April 2018 GSCCP has implemented a second level of training with two important energy companies.

Although the contribution to the project results and the training on GRASPINNO Unified Platform is quite useful and effective for the Greek LL, the most important part of the implementation phase of the Green Fund Living Lab is still the development of the guidance document in form of a Brochure with Guidelines for Funding and Mentoring mechanisms and best practices for promoting the green solutions (e.g. eco-innovative solutions, energy efficiency, and renewable energy sources). The final Brochure gathers all presented tools, best practices, funding and mentoring opportunities discussed at the LL event.

4.3.2 Measurement of Key performance indicators

University of Maribor developed a questionnaire addressed the initiators of the Living Labs, in order to measure the key performance indicators for the Green Fund Living Lab. This questionnaire includes the general characteristics of the LLs, the LL process, the outputs and the stakeholders' experience, thus summarising the overall experience of the LLs.

Summarizing the results of the KPIs, the following diagram (Fig.12) shows the number of stakeholders of the Green Fund Living Lab who were identified during the identification

phase (green columns) and the real number of stakeholders have joined the LL (yellow columns), by signing the Declaration of Participation. Of 37 stakeholders, 16 signed the Declaration of participation.



Figure 7: KPI1-KPI10 Number of Stakeholders

In the following figure the total number of presented/discussed themes on the Green Fund LL event and meetings is shown.

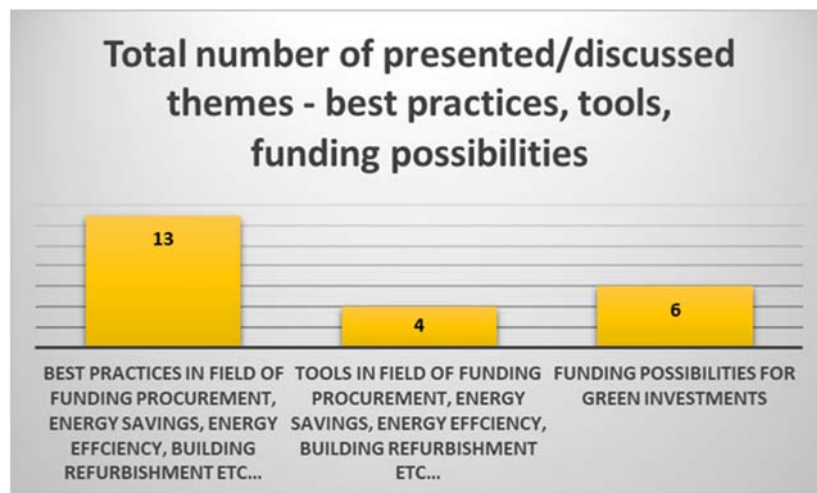


Figure 8: KPI17-KPI20_ Total Number of presented/discussed themes

The analysis of questionnaires has shown high level of cooperation and trust between public and economic operators, the great support and cooperation among LL stakeholders and the overall networking with other organizations. Moreover, through their involvement with the LL activities, the stakeholders had the chance to exchange their experiences and concerns for the green growth future among LL stakeholders. The Green Fund LL offered also the opportunity to improve: the stakeholders' attitude towards a green sustainable growth; and the knowledge and implementation of effective measures for energy management. Generally, the benefits gained through the involvement with the Green Fund LL are numerous and this remains to be demonstrated through the lifetime of the LL. Based on KPIs it can be concluded that the participants have significantly increased their knowledge on the green policies, mentoring mechanisms and green funds.

4.4 Improve

4.4.1 Generation of potential improvements of Green Fund Living Lab

The implementation process of the Green Fund Living Lab included the development of a Brochure with Guidelines for Funding and Mentoring mechanisms and best practices for promoting the green solutions (e.g. eco-innovative solutions, energy efficiency, and renewable energy sources). In this phase the Greek Living Lab initiators produced a brief document with the proposed guidelines in English language and a second document with more extended description for the stakeholders in the Greek language.

The Improve methodology for the Green Fund Living Lab solution was based on the main aim of actively engaging stakeholders in the improvement process of solutions and encouraging them to provide feedback for adoption of solutions to their actual needs. Thus, the Greek Fund Living Lab initiators have motivated LL members to participate in the improvement of the proposed guidelines package. Their ideas, needs and revisions contribute to the development of the final guidelines document. This part of the improve phase is called: "Generate Improvements" and contains all the preparation activities and plans made for improving Green Fund Living Lab Guidelines and Trainings.

In one of the two implementing solutions (GRASPINNO Unified Platform training), the improvement includes mainly the documents of the training. Thus, this part contains the possible changes on GRASPINNO user manuals for the Unified Platform or the exploitation

of the new developed material for the training needs. Whilst, the other part of the improvements concerns the revision of the Green Fund Living Lab Guidelines document. The majority of the experts and the stakeholders are specialised in the Public Procurement and they are also members of the Hellenic Ministries, thus it is considered more effective to feel free to revise the proposed guidelines than providing them a specific set of improvements. Moreover, due to the composition of the Greek LL, there is no need for adding any external help. Nevertheless LL initiators GSCCP actively support LL members in form of guidance when needed, minor clarifications regarding the improvement process and the content of the guidelines document.

Regarding the awarding system, the Green Fund Living Lab decided not to include a specific award for the actively involved stakeholders and experts.

4.4.2 GRASPINNO Unified Platform Trainings Improvements

The Implementation of Green Fund Living Lab Proposed Guidelines & GRASPINNO Unified Platform Trainings Improvements include the use of the newly produced material for the training sessions and the finalisation of the proposed Guidelines for the funding mechanisms and the best practices in Europe, based on the stakeholders' and experts' feedback. Moreover, the implementation of the improvements follows the abovementioned methodology. The flow chart below (Fig.14) of the implementation Process for Green Fund Living Lab Proposed Guidelines & GRASPINNO Unified Platform Trainings Improvements, visualises the step by step procedure which has been adopted by GRASPINNO partners, for implementing the improvements.

GRASPINNO Unified Platform Trainings Improvement:

The trainers of GRASPINNO Unified Platform can also exploit the knowledge gained by the Del. 4.2.2-Roadmap for wider uptake of the integrated eGPP platform, along with the already used: Del. 3.4.2-Upgraded tools with updated user manuals for GRASPINNO pilots and workshops – GRASPINNO Platform User Manual. The newly developed roadmap includes guidelines/recommendations and a generalised step by step process for target groups to take up eGPP platform, according to the findings collected by all pilots and the platform evaluation procedure. The new material usage will ensure the better handling of

the Unified Platform training sessions. This roadmap has been developed by Atlantis Consulting (PP1) and it has been revised by the University of Maribor, who leads the Work Package 4-Transferring of GRASPINNO project. Thus, the stakeholders couldn't directly contribute to the production of this document, but the general users' opinion has been taken into account when developing the roadmap.

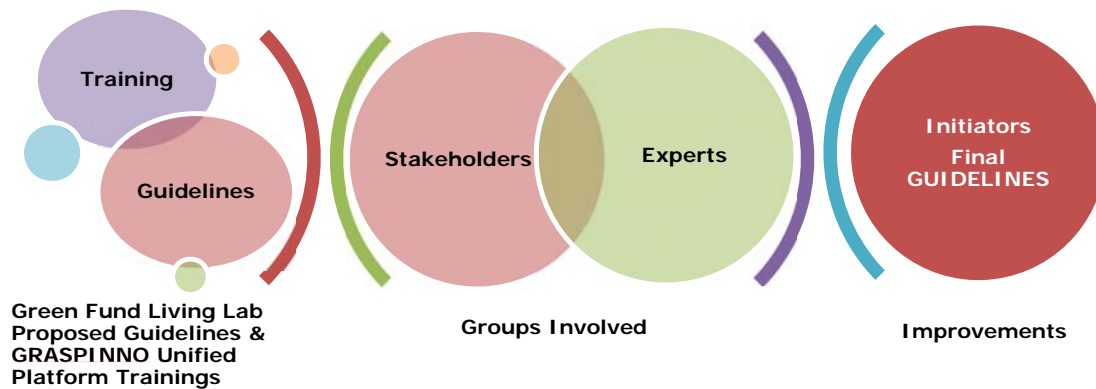


Figure 9: Implementation Process for Green Fund Living Lab Proposed Guidelines & GRASPINNO Unified Platform Trainings Improvements

Green Fund Living Lab Proposed Guidelines Improvement in Hellenic Language version:

The initially proposed Guidelines concerned the Funding and Mentoring mechanisms and the best practices for promoting the green solutions. The initiators had developed a brief document with the proposed guidelines in English language and a second document with more extended description for the stakeholders in the Greek language. In the phase of implementing the improvements, the experts and the stakeholders were called to propose their improvements in the extended version of the Guidelines (Greek language). More emphasis was given to the opinion of the experts, since they presented these practices, funding solutions and legislation during the Green Fund Living Lab train event. All the collected improvements were useful for the development of the final document, thus their implementation into the existing guidelines document was feasible.

4.5 Evaluate

4.5.1 Evaluation of Brochure with Guidelines for Funding and Mentoring mechanisms and best practices for promoting the green solutions

The evaluation has followed the GRASPINNO methodology, a questionnaire was provided to LL member in order to get their feedback. The 18 responses from LL stakeholders were recorded and results are presented below.

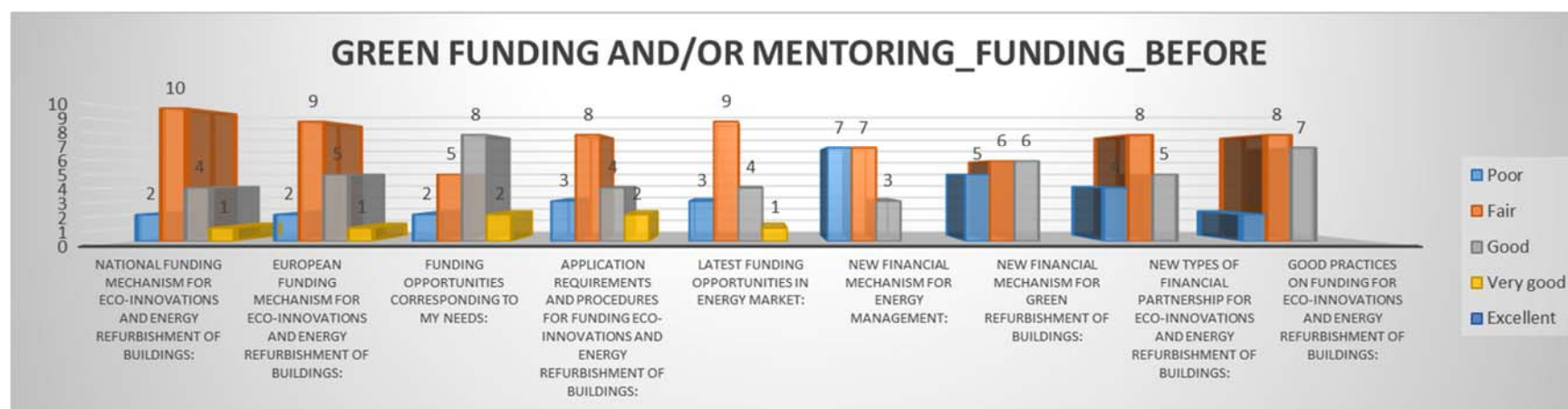


Figure 10: Level of knowledge on FUNDING topics below before participating in the Green Fund LL.

From the previous diagram it is clear that the great majority of the participants were not well informed about the funding mechanisms in Greece and in the European region before participating in the Green Fund Living Lab. Generally, this graphical presentation of the level of knowledge of the Living Lab members before participating in the LL process shows the lack of information of the participants in funding and financial opportunities. The majority of the participants declared that they have poor or fair knowledge on the previous topics, even if the

majority of them are asked to manage procurement topics in their organization. The Living Lab has significantly improved the knowledge of participants as seen from the Figure 11 below.

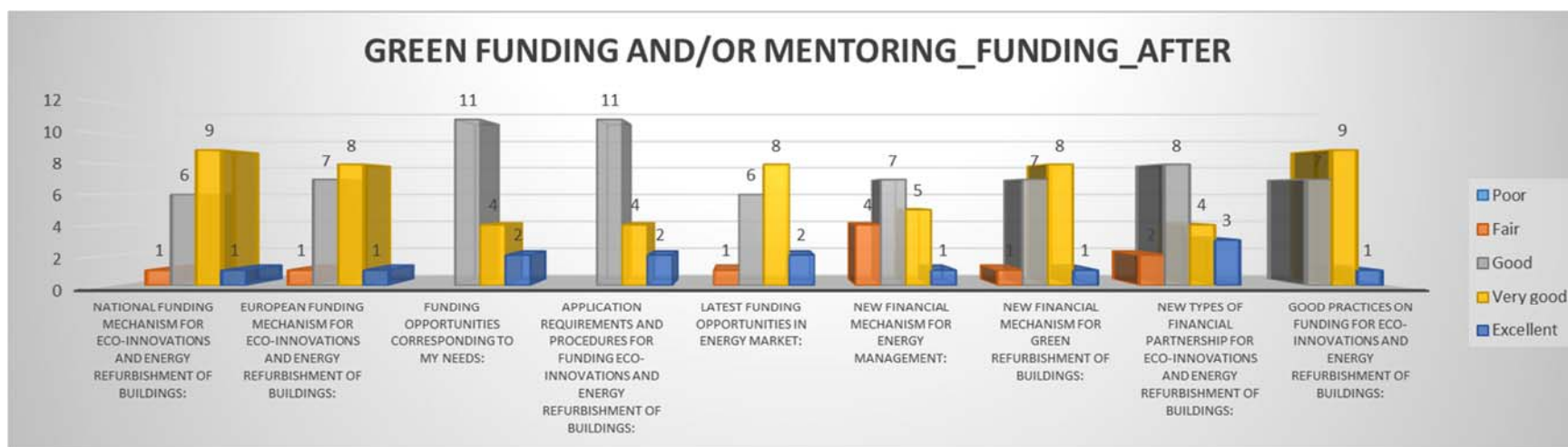


Figure 11: Level of knowledge on FUNDING topics below after participating in the Green Fund LL.

The results are quite encouraging, since the majority of the participants improved their level of knowledge. For example, 9 out of the 18 survey participants declared that they now have a very good knowledge on the existing national mechanisms for eco-innovations and energy refurbishment of public buildings.

The level of knowledge on the national mentoring mechanism for eco-innovations and energy refurbishment of buildings, on the European funding mechanism for eco-innovations and energy refurbishment of buildings, on the application requirements and procedures for funding eco-innovations and energy refurbishment of buildings and on engaging mentoring services for eco-innovations and energy refurbishment of buildings, could be characterised as poor. The majority of the participants declared that they have lack of knowledge on the previous mentoring topics. Only 1 out of the 18 participants thought that he was very good informed about the mentoring topics for the energy refurbishment and the eco-innovation.

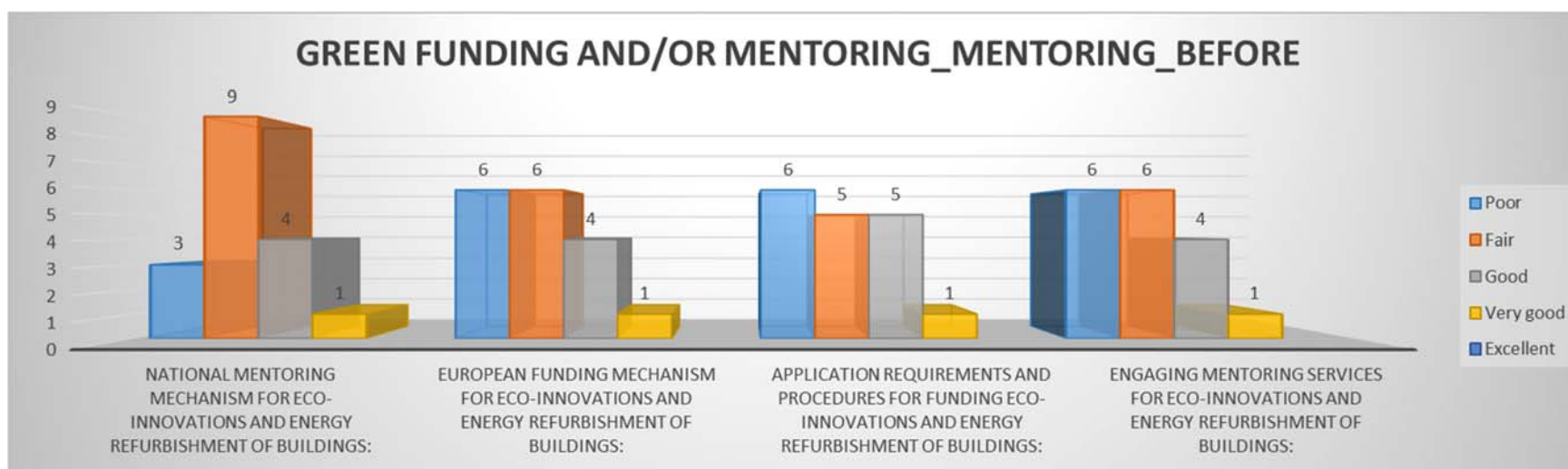


Figure 12: Level of knowledge on MENTORING topics before participating in the Green Fund LL.

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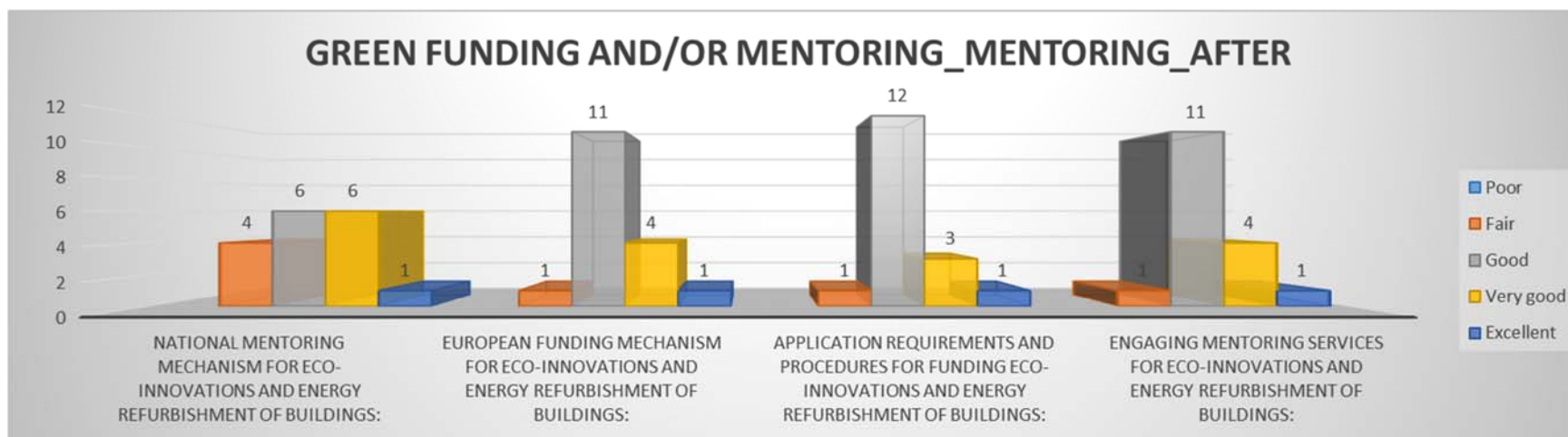


Figure 13: Level of knowledge on MENTORING topics after participating in the Green Fund LL.

Most of the 18 Living Lab members who answered the questionnaires stated that they now have a good knowledge on the European funding mechanism for eco-innovations and energy refurbishment of buildings, on the application requirements and procedures for funding eco-innovations and energy refurbishment of buildings and on engaging mentoring services for eco-innovations and energy refurbishment of buildings. Their knowledge about the national mentoring mechanisms seems to be more positively influenced, since 6 of them consider that they now have a very good knowledge on this topic after participating in the Green Fund Living Lab.

Concluding, the analysis on the Living Lab evaluation through this questionnaire survey lead to really encouraging results, since all the participants declared the improvement on their level of knowledge on the funding and mentoring topics which was covered by the Green Fund LL.

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4.5.2 LL evaluation

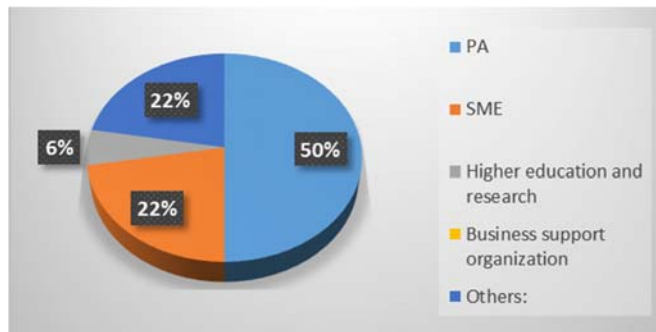


Figure 14: Types of organisations involved

The majority of the participants who answered the questionnaire are Public Authorities, since the 50% of them belong to this organisation type. The SMEs and the “other” organisations (e.g. consultants) participate in the survey with the same share (22%) and the Higher education and research organisations represent the 6% of the total answers.

Figure 15 shows the total number of joint meetings which the survey participants attended during their involvement in the Green Fund Living Lab. We can observe that the 61% of the participants attended one joint meeting while 33% of the participants attended 3 joint meetings. The 6% of the total LL members who answered the questionnaire had the opportunity to participate in two of the 3 joint meetings.

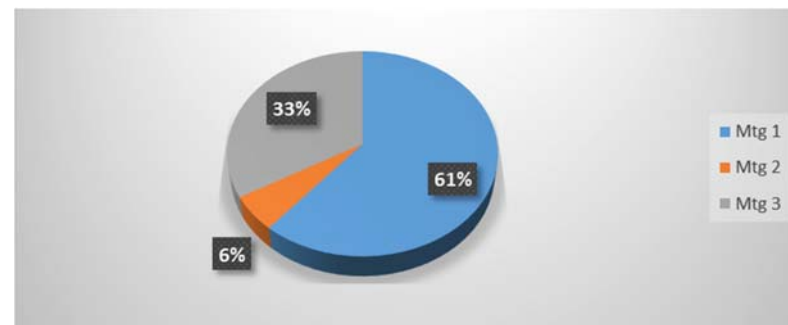


Figure 15: Number of joint meetings attended

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The following diagram shows the level of satisfaction with the LL meetings. The participants of the survey answered that they are very satisfied with the organisation of the LL meetings as well as with contents and relevance of the presented topic. Generally, the LL members' answers on their satisfaction of the LL events were range between the answers "very satisfied" and "extremely satisfied".

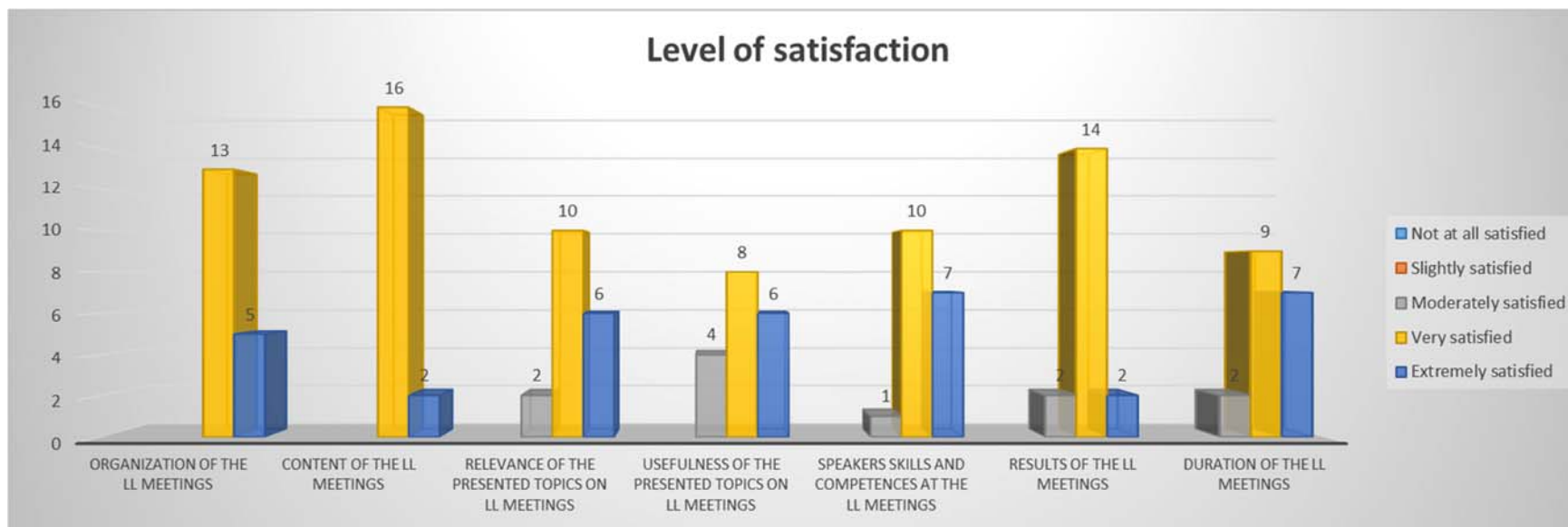


Figure 16: Level of satisfaction

Participant were also asked about specific benefits gained by participation in LL. In general, participants agree that below mention benefits were gained.

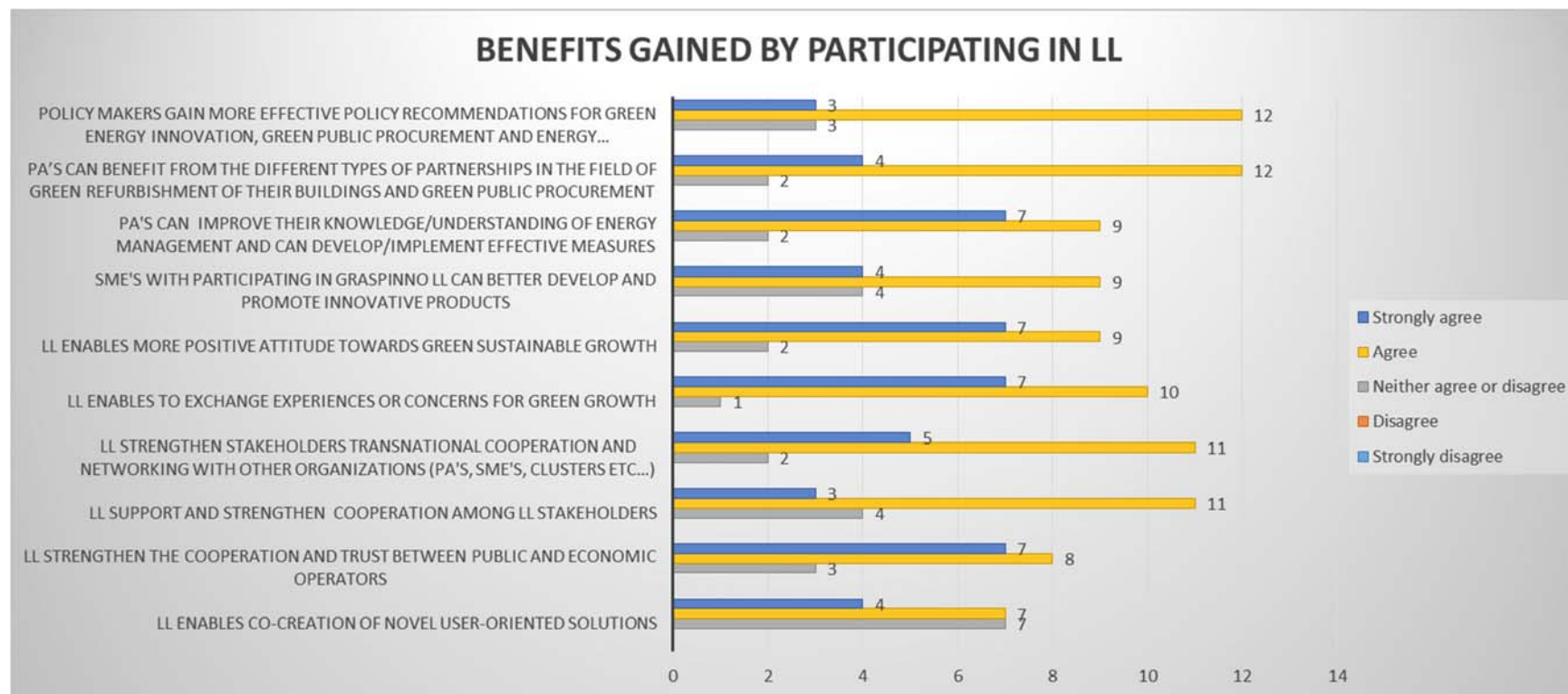


Figure 17: Benefits gained with participation Green Fund LL

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Another category that was evaluated was participants' knowledge before and after participation in Living Lab.

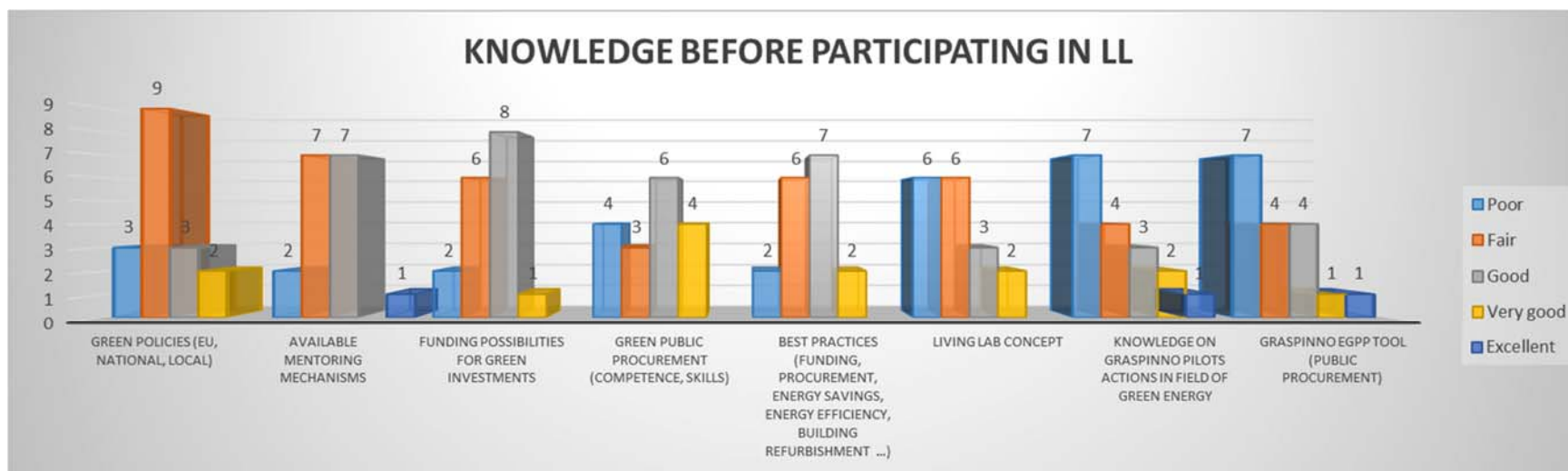


Figure 18: Knowledge before participating in the Green Fund LL.

From the figure above it is clear that the great majority of the participants were not well informed about the green policies and the available mentoring mechanisms, since the majority of them answered they have “fair” knowledge about these topics. It seems that the LL members had a good knowledge on the existing funding opportunities for green investments, for the green public procurement and the best practices in these fields.

Answers about knowledge after participation in LL show that participants have gained knowledge which is encouraging. With participation in the Greek LL activities and events, the LL members managed to improve their knowledge in the fields of best practices, green public procurement and funding opportunities in the green sectors. Moreover, they improved also their already good knowledge on the Living Lab concept and on the GRASPINNO actions which were promoted through the LL activities.

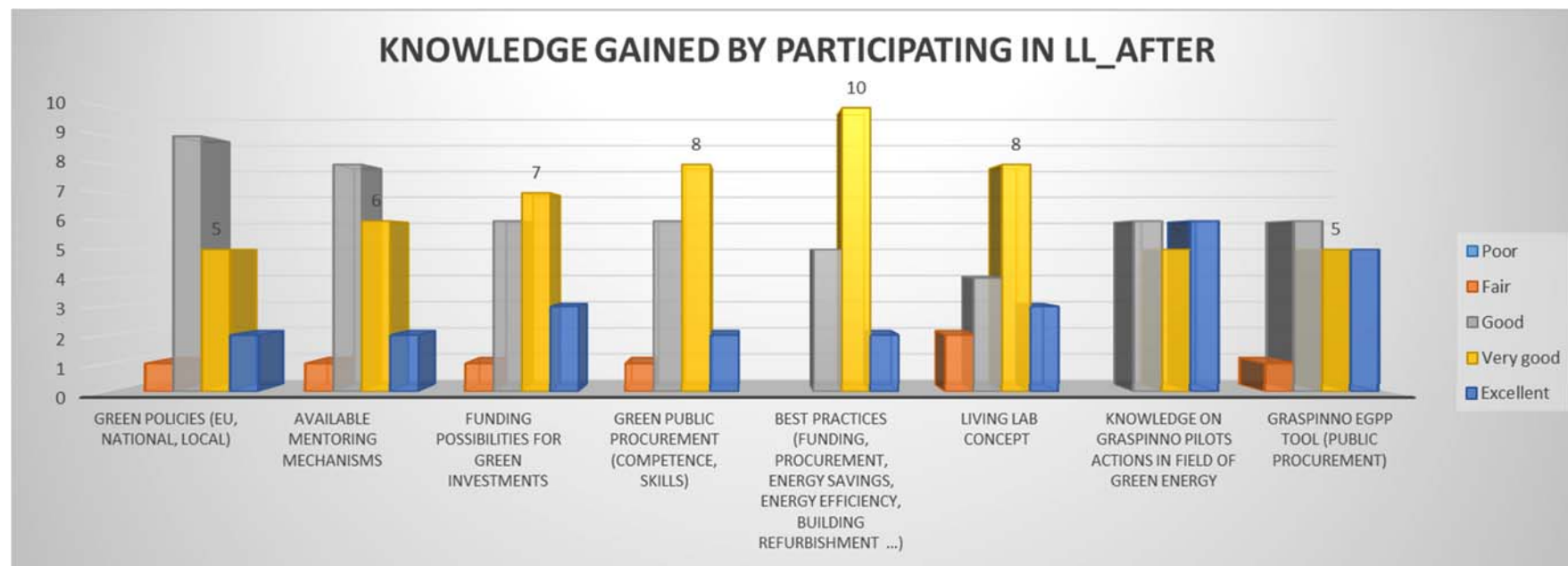


Figure 19: Knowledge gained by participating in the Green Fund LL.

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Figure 20: Intention for cooperation

The great majority of the participants who answered the questionnaires declared that they want to continue the cooperation under the Living Lab. Only two of them declared to have no intention for future actions under the LL. This is quite encouraging, since if there is intention for next actions then the sustainability of the Greek Living Lab will be ensured.

The main reasons for keeping this form of cooperation vivid were: the involvement of many different stakeholders which provides a more complete knowledge of the subject, the great chance to keep themselves updated and informed on funding and mentoring issues, the strong cooperation opportunities, the exchange of knowledge, the main scope for addressing common challenges, the knowledge - communication with PAs, the opportunity for experience GPP and the information about the latest eco-innovation developments.

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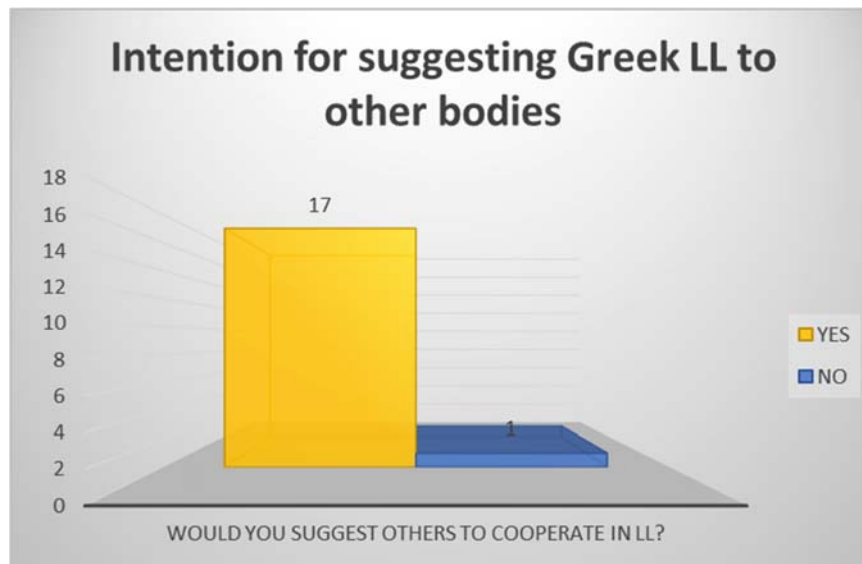


Figure 21: Intention for suggesting LL to other bodies

The great majority of the participants who answered the questionnaires declared that they would suggest others to join the Green Fund Living Lab. Only one of them declared to have no intention of promoting the LL to other potential members. The results are quite encouraging, since the LL is a vivid team with the opportunity to expand if there is the interest from other members which will be informed by the existing ones.

The majority of the participants answered that they would propose some other Public Authorities to join our LL. Moreover, SMEs, policy makers and procurements consultants were among their proposals for new members.

Finally, the participants were asked to declare how they will ensure that the Living Lab activities would continue after the project end. The participants answered that they will organise workshops for this topic even after the project end. Moreover, they will inform their colleagues in order to ensure new members, they will actively participate in LL actions, they will transfer the LL results to the relevant stakeholders and they will try to keep the communication channels open. Finally, one more good idea for ensuring the sustainability of the Green Fund Living Lab was to expand the networking activities and to enrich the LL topics.

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4.5.3 Guidelines and recommendations

Based on the evaluation of the proposed guidelines and the Green Fund Living Lab, the LL members who participated in the questionnaire survey provided the LL initiators with some general guidelines and recommendations, thus ensuring the future improvements and sustainability of established Greek Living Lab. The main aim of the guidelines and recommendations after the evaluation is the provision of a solid and reliable baseline for evaluation of LL performance. The results from the evaluation analysis are the main tool for providing the necessary proposals and guidelines. Moreover, all the proposed guidelines and recommendations are implemented under the common scope for continuously improving the established Living Lab operations.

According to the results from the evaluation process, the participants have significantly improved their knowledge on the funding and mentoring mechanisms not only for the case of Greece but also for the European area. The active participation of the LL members in the LL activities proved to trigger the development of an important document with the necessary guidelines/recommendations for mentoring and funding solutions and mechanisms. Although the LL members seem to be satisfied with their participation in the Greek LL and the produced documents, many actions have to be made in order for the sustainability of the LL to be ensured. First of all, the LL members have to ensure that the Guidelines and recommendations will be shared with other organizations for raising the awareness of other professionals who are involved in the public procurement procedures. The proposed guidelines also have to be disseminated to other SMEs and interested persons. One more effective tool, which helps the sustainability of the LL results, is the continuous update of the existing Guidelines document. More laws, rules, funding and mentoring mechanisms have to be added so that the document is up to date in the future.

The promotion and raising awareness of the importance and the benefits of greening the environment by offering and procuring green products and services among the stakeholders is the most important step for transforming this innovative aspect into mainstreaming. Moreover, the LL members have to participate in relevant events for further investigating the new funding and mentoring solutions. All of them are

responsible for spreading the new information which have been derived from the participation in other events. These external events could also be an opportunity for promoting the LL activities, GRASPINNO tools, expanding LLs' actions and finding new contacts and experts. One more recommendation includes the organization of meetings between the Living Lab participants for exchanging new experiences, knowledge and new ideas for funding and mentoring issues, but also experiences, advices and new business opportunities.

4.6 Disseminate

Based on the LL activities and the main findings from the Green Fund Living Lab operation, the initiators will try to further communicate the LL concept in order for the professionals to learn about this cooperation form. Moreover, the initiators will promote the findings from the Green Fund Living Lab in the 3rd newsletter of GRASPINNO project which will be published in several social media and in the MED programme website. Thus, the stakeholders and the mailing list of GRASPINNO project will have the opportunity to read about the encouraging results made by the Greek Living Lab. This dual approach of promoting both the LL concept and the LL results on the funding and mentoring mechanisms will increase the number of the LLs in several topics and the attractiveness of the Greek LL.

The Greek LL initiators will promote the findings from the LL in the upcoming GRASPINNO events. The Activity 5.3 of GRASPINNO project concerns the transferring actions which includes the organisation of seminars and workshops for the PAs and the SMEs. These seminars and workshops cover the thematic areas of funding and mentoring mechanisms for promoting eco-innovative action, the financial tools for retrofitting interventions and the private financing. Thus, the participants will have the chance to receive mentoring services and support for their eco-innovation products/services via financial opportunities. Moreover, the technical capitalization workshops for PAs will offer information services to them on the available financial tools in grant building refurbishment. The LL initiators are responsible for the organisation of the seminars and workshop in Greece, thus it is considered to be a

chance for promoting LL findings at the same time. Finally, the LL members will participate in the external events which will take place in Greece and are dedicated to the funding and mentoring mechanisms for the green growth of our country. The participation in these events will ensure the promotion of the LL activities, the new business opportunities and the new contacts.

The dissemination activities also concern the continuous update of the proposed Guidelines documents, in order for it to be adapted to the newly developed and published best practices, policies, recommendations and calls for funds. Moreover, the keynote speakers of the Green Fund Living Lab event in Athens will be also asked to promote the results of the LL. LL initiators will ask Mr. Siamidis Michalis, Vice President of the Commercial and Industrial Chamber of Commerce in Athens, to disseminate the proposed guidelines to the members of the Commercial and Industrial Chamber of Commerce. Finally, Mr. Charis Doukas, Assistant professor of the National Technical University of Athens and representative of the Technical Chamber of Greece (TEE-TCG), can also participate in the Greek LL's dissemination activities by promoting the guidelines to the members of TEE-TCG Chamber.

5 CONCLUSIONS

The Greek Living Lab operates within the main scope of identifying and promoting funding and mentoring mechanism opportunities for green growth. The Greek LL has already identified financial tools, types of partnership, possible financial interventions for PAs to establish energy management, green refurbishment of their buildings, green procurements procedures and mentoring and funding services for the SMEs needed for entering the eco-innovation and green energy market. The main obstacle while organizing the Green Fund Living Lab establishment is the willingness of the organizations to participate in this form of cooperation. Even though all the relevant stakeholders are faced with similar challenges, they were hesitant to take part. Nevertheless, the LL initiators overcame this obstacle by keeping in touch with the identified stakeholders and explaining to them the potential benefits from their participation in the LL process.

The Green Fund Living Lab educate and train event, organised by GS CCP and UP, brought together more than 100 stakeholders from several organisations and organisational types, who were educated in funding mechanisms and trained on GRASPINNO tools. This event prompted the development of a funding and mentoring Guidelines' document which can be considered as a supportive document both for PAs and SMEs. The initiators have developed a brief document with the proposed guidelines in English language and a second document with more extended description for the stakeholders in the Greek language. In the phase of implementing the improvements, the experts and the stakeholders were called to contribute improvements in the extended version of the Guidelines (Greek language). The experts and the stakeholders responded positively to the call of the initiators for improving the Guidelines and the final document was shared with other relevant stakeholders. The next step of the Greek LL concerned the evaluation of the proposed solutions and the overall evaluation of the LL. The results of the evaluation were quite encouraging, since the participants raise their level of knowledge in the funding and mentoring solutions. Moreover, the participants declared that they were satisfied with the organization of the Greek LL. Based on the LL activities and the main findings from the Green Fund Living Lab operation, the initiators will try to further

communicate the LL concept to other organization as a part of the whole dissemination actions. Moreover, the initiators will take advantage of GRASPINNO promotional materials in order to promote LL results. Finally, the participation in other events is the next step for disseminating the produced solutions which were found by the Greek LL. The abovementioned actions will ensure the sustainability of the Green Fund Living Lab.

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6 APPENDIX - Stakeholders Declaration of Participation (16 DoP)

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Με την υπογραφή της Δήλωσης Συμμετοχής ο υπογράφων αποφασίζει να συμμετάσχει στο Εργαστήριο Διερεύνησης Χρηματοδότησης Πράσινων λύσεων & ενσωμάτωσης Πράσινων κριτηρίων στις Δημόσιες Συμβάσεις του GRASPINNO και δηλώνει έναν αντιπρόσωπο, ο οποίος θα επικοινωνεί με τον φορέα οργάνωσης του Εργαστηρίου:

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(όνομα και διεύθυνση του φορέα)

ΓΕΩΡΓΙΟΣ ΣΤΕΡΓΙΟΣ

(Ονοματεπώνυμο του νόμιμου εκπροσώπου)

ΓΕΩΡΓΙΟΣ ΧΑΪΤΙΔΗΣ

6945369762

οικαι2@teim.gr

(Ονοματεπώνυμο του εκπροσώπου που θα παρακολουθήσει το εργαστήριο, τηλέφωνο επικοινωνίας και διεύθυνση ηλεκτρονικού ταχυδρομείου)



(υπογραφή του εκπροσώπου)

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(υπογραφή)

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(Τόπος και ημερομηνία)

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(όνομα και διεύθυνση του φορέα)

(Ονοματεπώνυμο του νόμιμου εκπροσώπου)

MARIA ΚΕΣΤΟΠΟΥΛΟΥ

τηλ: 213 1361245

email: m.kestopoulou@ypes.gr

(Ονοματεπώνυμο του εκπροσώπου που θα παρακολουθήσει το εργαστήριο, τηλέφωνο επικοινωνίας και διεύθυνση ηλεκτρονικού ταχυδρομείου)

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(όνομα και διεύθυνση του φορέα)

ΓΕΩ. ΓΡΑΜΜΑΤΕΑΣ ΝΙΚΟΛΑΟΣ ΑΥΤΟΝΟΓΛΟΥ
(Όνοματεπώνυμο του νόμιμου εκπροσώπου)

ΧΡΙΣΤΙΝΑ ΔΙΑΜΑΥΤΑΚΗ
210. 212. 52 27

email: chdiamantaki@minagri.gr
(Όνοματεπώνυμο του εκπροσώπου που θα παρακολουθήσει το εργαστήριο, τηλέφωνο επικοινωνίας και διεύθυνση ηλεκτρονικού ταχυδρομείου)

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η οποία στοχεύει στον εντοπισμό και την προώθηση μηχανισμών χρηματοδότησης και καθοδήγησης καθώς και ευκαιριών για πράσινη ανάπτυξη μέσω της εξασφάλισης καθοδήγησης ή χρηματοδότησης των Μικρομεσαίων Επιχειρήσεων (ΜμΕ) και των Δημοσίων Φορέων για δράσεις οικολογικής καινοτομίας.

Με την υπογραφή της Δήλωσης Συμμετοχής ο υπογράφων αποφασίζει να συμμετάσχει στο Εργαστήριο Διερεύνησης Χρηματοδότησης Πράσινων λύσεων & ενσωμάτωσης Πράσινων κριτηρίων στις Δημόσιες Συμβάσεις του GRASPINNO και δηλώνει έναν αντιπρόσωπο, ο οποίος θα επικοινωνεί με τον φορέα οργάνωσης του Εργαστηρίου:

ΥΠΟΥΡΓΕΙΟ ΔΙΚΑΙΟΣΥΝΗΣ, ΔΙΑΦΑΝΕΙΑΣ ΚΑΙ ΑΝΘΡΩΠΙΝΩΝ ΔΙΚΑΙΩΜΑΤΩΝ

ΤΜΗΜΑ ΤΡΟΜΗΘΕΣΙΩΝ - ΜΕΣΟΓΕΙΩΝ 96, ΑΘΗΝΑ

(όνομα και διεύθυνση του φορέα)

ΒΑΣΙΛΙΚΗ ΝΙΚΟΛΟΠΟΥΛΟΥ

(Ονοματεπώνυμο του νόμιμου εκπροσώπου)

ΛΙΒΙΤΣΑΝΟΥ ΣΟΦΙΑ-ΜΑΡΙΚΑ

910-7767134

slivitsanu@justice.gov.gr

(Ονοματεπώνυμο του εκπροσώπου που θα παρακολουθήσει το εργαστήριο, τηλέφωνο επικοινωνίας και διεύθυνση ηλεκτρονικού ταχυδρομείου)

(υπογραφή του εκπροσώπου)

ΓΕΝΙΚΗ ΓΡΑΜΜΑΤΕΙΑ ΕΜΠΟΡΙΟΥ

(φορέας οργάνωσης του Εργαστηρίου)

ΚΑΙ ΠΡΟΣΤΑΣΙΑΣ ΚΑΤΑΝΑΛΩΤΗ

ΑΝΑΣΤΑΣΙΑ ΖΑΧΑΡΟΠΟΥΛΟΥ

(εκπρόσωπος του Εργαστηρίου)

(υπογραφή)

Αθήνα, 16 Ιανουαρίου 2018

(Τόπος και ημερομηνία)

ΠΑΝΕΠΙΣΤΗΜΙΟ ΠΑΤΡΩΝ

(φορέας οργάνωσης του Εργαστηρίου)

ΓΕΩΡΓΙΟΣ ΣΤΕΦΑΝΙΔΗΣ

(εκπρόσωπος του Εργαστηρίου)

(υπογραφή)

Πάτρα, 16 Ιανουαρίου 2018

(Τόπος και ημερομηνία)

ΣΗΜΕΙΩΣΗ: Πρόκειται για προαιρετική δήλωση και δεν συνεπάγεται καμία οικονομική δέσμευση ή άλλη νομική δέσμευση.

Δήλωση Συμμετοχής

στις δράσεις του Εργαστηρίου Διερεύνησης (Living Lab) του έργου GRASPINNO

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Σύμφωνα με τις δράσεις του έργου GRASPINNO, οι υπογράφωντες συμφωνούν να συμμετάσχουν σε:

Εργαστήριο Διερεύνησης Χρηματοδότησης Πράσινων λύσεων & ενσωμάτωσης Πράσινων κριτηρίων στις Δημόσιες Συμβάσεις

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ΥΠΟΥΡΓΕΙΟ ΔΙΚΑΙΟΣΥΝΗΣ ΔΙΑΦΑΝΕΙΑΣ Κ' ΑΝΘΡΩΠΙΝΩΝ ΔΙΚΑΙΩΜΑΤΩΝ
ΤΜΗΜΑ ΚΑΤΑΡΤΙΣΗΣ ΠΡΟΣΩΠΟΥ, ΚΡΑΤΙΚ ΕΥΣΕΧ ΠΡΑΡ Κ' ΝΟΙΜΑ ΟΙΚ. ΘΕΜΑΤ. (ΒΔ')
(όνομα και διεύθυνση του φορέα)

Γ. ΜΗΛΙΩΝΗ
(Ονοματεπώνυμο του νόμιμου εκπροσώπου)

ΧΑΡΑΜΑΝΩΣ Κ. ΖΕΡΒΟΣ
210-7767138
hzervos@justice.gau.gr
(Ονοματεπώνυμο του εκπροσώπου που θα παρακολουθήσει το εργαστήριο, τηλέφωνο επικοινωνίας και διεύθυνση ηλεκτρονικού ταχυδρομείου)

ΖΕΡΒΟΣ
(υπογραφή του εκπροσώπου)

ΓΕΝΙΚΗ ΓΡΑΜΜΑΤΕΙΑ ΕΜΠΟΡΙΟΥ ΚΑΙ ΠΡΟΣΤΑΣΙΑΣ ΚΑΤΑΝΑΛΩΤΗ
(φορέας οργάνωσης του Εργαστηρίου) ΑΝΑΣΤΑΣΙΑ ΖΑΧΑΡΟΠΟΥΛΟΥ
(εκπρόσωπος του Εργαστηρίου) (υπογραφή)

Αθήνα, 16 Ιανουαρίου 2018
(Τόπος και ημερομηνία)

ΠΑΝΕΠΙΣΤΗΜΙΟ ΠΑΤΡΩΝ
(φορέας οργάνωσης του Εργαστηρίου)

ΓΕΩΡΓΙΟΣ ΣΤΕΦΑΝΙΔΗΣ
(εκπρόσωπος του Εργαστηρίου)

ΣΤΕΦΑΝΙΔΗΣ
(υπογραφή)

Πάτρα, 16 Ιανουαρίου 2018
(Τόπος και ημερομηνία)

ΣΗΜΕΙΩΣΗ: Πρόκειται για προαιρετική δήλωση και δεν συνεπάγεται καμία οικονομική δέσμευση ή άλλη νομική δέσμευση.

Δήλωση Συμμετοχής

στις δράσεις του Εργαστηρίου Διερεύνησης (Living Lab) του έργου GRASPINNO

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Σύμφωνα με τις δράσεις του έργου GRASPINNO, οι υπογράφωντες συμφωνούν να συμμετάσχουν σε:

Εργαστήριο Διερεύνησης Χρηματοδότησης Πράσινων λύσεων & ενσωμάτωσης Πράσινων κριτηρίων στις Δημόσιες Συμβάσεις

η οποία στοχεύει στον εντοπισμό και την προώθηση μηχανισμών χρηματοδότησης και καθοδήγησης καθώς και ευκαιριών για πράσινη ανάπτυξη μέσω της εξασφάλισης καθοδήγησης ή χρηματοδότησης των Μικρομεσαίων Επιχειρήσεων (ΜμΕ) και των Δημοσίων Φορέων για δράσεις οικολογικής καινοτομίας.

Με την υπογραφή της Δήλωσης Συμμετοχής ο υπογράφων αποφασίζει να συμμετάσχει στο Εργαστήριο Διερεύνησης Χρηματοδότησης Πράσινων λύσεων & ενσωμάτωσης Πράσινων κριτηρίων στις Δημόσιες Συμβάσεις του GRASPINNO και δηλώνει έναν αντιπρόσωπο, ο οποίος θα επικοινωνεί με τον φορέα οργάνωσης του Εργαστηρίου:

ΥΠΟΥΡΓΕΙΟ ΥΠΟΔΟΜΩΝ & ΜΕΤΑΦΟΡΩΝ, ΑΝΑΣΤΑΣΙΟΣ 2 & ΤΣΙΓΑΝΤΕ, ΤΚ. 10191, ΠΑΤΡΑΙ
(όνομα και διεύθυνση του φορέα)

ΑΘΑΝΑΣΙΟΣ ΒΟΥΡΔΑΣ, ΓΕΝΙΚΟΣ ΓΡΑΜΜΑΤΕΑΣ ΤΟΥ ΥΠΟΥΡΓΕΙΟΥ ΥΠΟΔΟΜΩΝ & ΜΕΤΑΦΟΡΩΝ
(Ονοματεπώνυμο του νόμιμου εκπροσώπου)

1) ΕΥΑΓΓΕΛΙΑ ΣΤΑΥΡΟΠΟΥΛΟΥ / 210.6508423

2) ΣΤΑΥΡΟΥΛΟΥ ΘΥΜΕ. 909.95 2) ΤΖΟΥΜΑΤΙ ΒΑΣΙΛΕΙΟΣ
210.6420508, btzoumas.doy.kataskenou@gmail.com

(Ονοματεπώνυμο του εκπροσώπου που θα παρακολουθήσει το εργαστήριο, τηλέφωνο επικοινωνίας και διεύθυνση ηλεκτρονικού ταχυδρομείου)

(υπογραφή του εκπροσώπου)

ΓΕΝΙΚΗ ΓΡΑΜΜΑΤΕΙΑ ΕΜΠΟΡΙΟΥ ΚΑΙ ΠΡΟΣΤΑΣΙΑΣ ΚΑΤΑΝΑΛΩΤΗ

(φορέας οργάνωσης του Εργαστηρίου)

ΑΝΑΣΤΑΣΙΑ ΖΑΧΑΡΟΠΟΥΛΟΥ

(εκπρόσωπος του Εργαστηρίου)

(υπογραφή)

Αθήνα, 16 Ιανουαρίου 2018

(Τόπος και ημερομηνία)

ΠΑΝΕΠΙΣΤΗΜΙΟ ΠΑΤΡΩΝ

(φορέας οργάνωσης του Εργαστηρίου)

ΓΕΩΡΓΙΟΣ ΣΤΕΦΑΝΙΔΗΣ

(εκπρόσωπος του Εργαστηρίου)

(υπογραφή)

Πάτρα, 16 Ιανουαρίου 2018

(Τόπος και ημερομηνία)

ΣΗΜΕΙΩΣΗ: Πρόκειται για προαιρετική δήλωση και δεν συνεπάγεται καμία οικονομική δέσμευση ή άλλη νομική δέσμευση.

Project co-financed by the European
Regional Development Fund

ΕΛΛΗΝΙΚΗ ΔΗΜΟΚΡΑΤΙΑ
ΥΠΟΥΡΓΕΙΟ ΟΙΚΟΝΟΜΙΑΣ ΚΑΙ ΕΞΩΤΕΡΙΚΩΝ
ΓΕΝΙΚΗ ΓΡΑΜΜΑΤΕΙΑ
ΕΠΙΧΕΙΡΗΣΙΑΚΟ ΠΡΟΓΡΑΜΜΑ
ΕΠΙΧΕΙΡΗΣΙΑΚΟ ΠΡΟΓΡΑΜΜΑ
ΕΠΙΧΕΙΡΗΣΙΑΚΟ ΠΡΟΓΡΑΜΜΑ
ΕΠΙΧΕΙΡΗΣΙΑΚΟ ΠΡΟΓΡΑΜΜΑ

ΠΑΝΕΠΙΣΤΗΜΙΟ
ΠΑΤΡΩΝ
UNIVERSITY OF PATRAS

Δήλωση Συμμετοχής

στις δράσεις του Εργαστηρίου Διερεύνησης (Living Lab) του έργου GRASPINNO

Το έργο GRASPINNO στοχεύει στην ενίσχυση της καινοτομίας τόσο του δημόσιου όσο και του ιδιωτικού τομέα στην περιοχή της Μεσογείου (MED) και στην υποστήριξη της έξυπνης και βιώσιμης ανάπτυξης. Το έργο θα υποστηρίξει τα δίκτυα / συστάδες στον τομέα της πράσινης ενέργειας και της οικολογικής καινοτομίας και θα προωθήσει τη διεθνή συνεργασία με την ενίσχυση και την προσαρμογή του διακρατικού δικτύου φορέων οικολογικής καινοτομίας. Μέσω Εργαστηρίων Διερεύνησης, θα επιδιώξει την αλλαγή της υφιστάμενης νοοτροπίας υπέρ της οικολογικής καινοτομίας, της πράσινης ενέργειας και των εμπλεκόμενων δημόσιων και οικονομικών φορέων.

Σύμφωνα με τις δράσεις του έργου GRASPINNO, οι υπογράφωντες συμφωνούν να συμμετάσχουν σε:

Εργαστήριο Διερεύνησης Χρηματοδότησης Πράσινων λύσεων & ενσωμάτωσης Πράσινων κριτηρίων στις Δημόσιες Συμβάσεις

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Με την υπογραφή της Δήλωσης Συμμετοχής ο υπογράφων αποφασίζει να συμμετάσχει στο Εργαστήριο Διερεύνησης Χρηματοδότησης Πράσινων λύσεων & ενσωμάτωσης Πράσινων κριτηρίων στις Δημόσιες Συμβάσεις του GRASPINNO και δηλώνει έναν αντιπρόσωπο, ο οποίος θα επικοινωνεί με τον φορέα οργάνωσης του Εργαστηρίου:

ΥΠΟΥΡΓΕΙΟ ΔΙΟΙΚΗΤΙΚΗΣ ΑΝΑΣΥΓΚΡΑΤΗΣΗΣ, Β. ΣΟΦΙΑΣ 15 - ΤΗ 10674 ΑΘΗΝΑ
(όνομα και διεύθυνση του φορέα)

ΓΡΗΓΟΡΙΟΣ ΘΕΟΔΩΡΑΚΗΣ (ΓΕΝΙΚΟΣ ΓΡΑΜΜΑΤΕΑΣ)
(Ονοματεπώνυμο του νόμιμου εκπροσώπου)

ΠΑΝΟΣ ΔΗΜΗΤΡΗΣ
213-1513-309

p.danas@ymed.gov.gr
(Ονοματεπώνυμο του εκπροσώπου που θα παρακολουθήσει το εργαστήριο, τηλέφωνο επικοινωνίας και διεύθυνση ηλεκτρονικού ταχυδρομείου)

[Signature]
(υπογραφή του εκπροσώπου)

ΓΕΝΙΚΗ ΓΡΑΜΜΑΤΕΙΑ ΕΜΠΟΡΙΟΥ, ΑΝΑΣΤΑΣΙΑ ΖΑΧΑΡΟΠΟΥΛΟΥ
(φορέας οργάνωσης του Εργαστηρίου) (εκπρόσωπος του Εργαστηρίου)

[Signature]
(υπογραφή)

Αθήνα, 16 Ιανουαρίου 2018
(Τόπος και ημερομηνία)

ΠΑΝΕΠΙΣΤΗΜΙΟ ΠΑΤΡΩΝ
(φορέας οργάνωσης του Εργαστηρίου)

ΓΕΩΡΓΙΟΣ ΣΤΕΦΑΝΙΔΗΣ
(εκπρόσωπος του Εργαστηρίου)

[Signature]
(υπογραφή)

Πάτρα, 16 Ιανουαρίου 2018
(Τόπος και ημερομηνία)

ΣΗΜΕΙΩΣΗ: Πρόκειται για προαιρετική δήλωση και δεν συνεπάγεται καμία οικονομική δέσμευση ή άλλη νομική δέσμευση.

Project co-financed by the European
Regional Development Fund

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στις δράσεις του Εργαστηρίου Διερεύνησης (Living Lab) του έργου GRASPINNO

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ΥΠΟΥΡΓΕΙΟ ΔΙΟΙΚΗΤΙΚΗΣ ΑΝΑΣΥΓΚΡΟΤΗΣΗΣ

(όνομα και διεύθυνση του φορέα)

ΒΑΣ. ΣΟΦΙΑΣ 15, 10674, ΑΘΗΝΑ

ΓΓ. ΥΠΟΥΡΓΕΙΟΥ ΔΙΟΙΚΗΤΙΚΗΣ ΑΝΑΣΥΓΚΡΟΤΗΣΗΣ & ΓΡΑΦΕΙΟΥ

(Ονοματεπώνυμο του νόμιμου εκπροσώπου)

ΣΥΡΙΔΕΛ ΤΣΟΥΚΑΛΑΣ

τηλ 6944323362 - 2131313436

s.tsoukalas@ydmef.gov.gr

(Ονοματεπώνυμο του εκπροσώπου που θα παρακολουθήσει το εργαστήριο, τηλέφωνο επικοινωνίας και διεύθυνση ηλεκτρονικού ταχυδρομείου)

(υπογραφή του εκπροσώπου)

ΓΕΝΙΚΗ ΓΡΑΜΜΑΤΕΙΑ ΕΜΠΟΡΙΟΥ

(φορέας οργάνωσης του Εργαστηρίου)

ΚΑΙ ΠΡΟΣΤΑΣΙΑΣ ΚΑΤΑΝΑΛΩΤΗ

ΑΝΑΣΤΑΣΙΑ ΖΑΧΑΡΟΠΟΥΛΟΥ

(εκπρόσωπος του Εργαστηρίου)

(υπογραφή)

Αθήνα, 16 Ιανουαρίου 2018

(Τόπος και ημερομηνία)

ΠΑΝΕΠΙΣΤΗΜΙΟ ΠΑΤΡΩΝ

(φορέας οργάνωσης του Εργαστηρίου)

ΓΕΩΡΓΙΟΣ ΣΤΕΦΑΝΙΔΗΣ

(εκπρόσωπος του Εργαστηρίου)

(υπογραφή)

Πάτρα, 16 Ιανουαρίου 2018

(Τόπος και ημερομηνία)

ΣΗΜΕΙΩΣΗ: Πρόκειται για προαιρετική δήλωση και δεν συνεπάγεται καμία οικονομική δέσμευση ή άλλη νομική δέσμευση.

Declaration of Participation **in Living Lab Activities of the GRASPINNO Project**

The GRASPINNO project aims to strengthen innovation capacity of public and private sectors in MED region and to support smart and sustainable growth. The project will support green energy and eco-innovation networks/cluster and promote transitional cooperation by strengthening and adapting transnational network of eco-innovation actors. Through Living Labs, it will pursue behavioural change in favour of eco-innovation, green energy and green actors.

In line with the activities of the GRASPINNO project, the signatories hereby agree to participate in:

Green Fund Living Lab

which aims to establish funding and mentoring mechanism for green growth by developing tailored mentoring or financing to SMEs and PAs for eco-innovation actions.

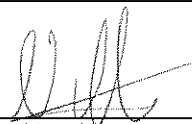
With this signature of Declaration of Participation, the signatory decides to join the Green Fund GRASPINNO Living Lab and names a representative to communicate with the Living Lab regional organization:

Miltiadis Nikolis - Consultant

(name and address of the organization)

Miltiadis Nikolis

(first and last name of legal representative)



 (signature of legal representative)

Miltiadis Nikolis, (30) 6981 696359, miltosnikolis365@gmail.com

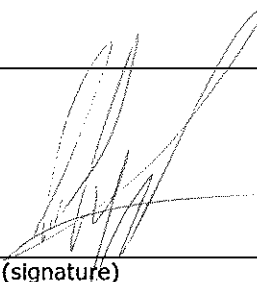
(first and last name of the representative, phone number and e-mail)

University of Patras/General
Secretariat for Commerce
and Consumer Protection

(Living Lab regional
organization)

ATLANTIS Consulting S.A.

(Living Lab regional
representative)



 (signature)

Athens, 25/07/2018

NOTE: This is a voluntary statement and does not imply any financial commitment or any other legally binding commitment.

Declaration of Participation in Living-Lab Activities of the GRASPINNO Project

The GRASPINNO project aims to strengthen innovation capacity of public and private sectors in MED region and to support smart and sustainable growth. The project will support green energy and eco-innovation networks/cluster and promote transitional cooperation by strengthening and adapting transnational network of eco-innovation actors. Through Living Labs, it will pursue behavioural change in favour of eco-innovation, green energy and green actors.

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With this signature of Declaration of Participation, the signatory decides to join the Green Fund GRASPINNO Living Lab and names a representative to communicate with the Living Lab regional organization:

Konstantinos Xynas - Consultant

(name and address of the organization)

Konstantinos Xynas

(first and last name of legal representative)

(signature of legal representative)

Konstantinos Xynas, (30) 6937 471585, xkostas74@hotmail.com

(first and last name of the representative, phone number and e-mail)

University of Patras/General
Secretariat for Commerce
and Consumer Protection

(Living Lab regional
organization)

ATLANTIS Consulting S.A.

(Living Lab regional
representative)

(signature)

Athens, 02/02/2018

NOTE: This is a voluntary statement and does not imply any financial commitment or any other legally binding commitment.

Declaration of Participation in Living Lab Activities of the GRASPINNO Project

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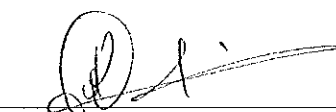
With this signature of Declaration of Participation, the signatory decides to join the Green Fund GRASPINNO Living Lab and names a representative to communicate with the Living Lab regional organization:

Liana Stathopoulou - Consultant

(name and address of the organization)

Liana Stathopoulou

(first and last name of legal representative)



(signature of legal representative)

Liana Stathopoulou, (30) 6941 610125, stathopoulouliana@gmail.com

(first and last name of the representative, phone number and e-mail)

University of Patras/General
Secretariat for Commerce
and Consumer Protection

(Living Lab regional
organization)

ATLANTIS Consulting S.A.

(Living Lab regional
representative)



(signature)

Athens, 05/02/2018

NOTE: This is a voluntary statement and does not imply any financial commitment or any other legally binding commitment.

Declaration of Participation in Living-Lab Activities of the GRASPINNO Project

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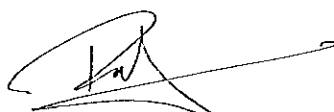
With this signature of Declaration of Participation, the signatory decides to join the Green Fund GRASPINNO Living Lab and names a representative to communicate with the Living Lab regional organization:

Vasileios Dikeoulas - Consultant

(name and address of the organization)

Vasileios Dikeoulas

(first and last name of legal representative)



(signature of legal representative)

Vasileios Dikeoulas, (30) 6956 331106, basile.dikeoulas@gmail.com

(first and last name of the representative, phone number and e-mail)

University of Patras/General
Secretariat for Commerce
and Consumer Protection

(Living Lab regional
organization)

ATLANTIS Consulting S.A.

(Living Lab regional
representative)



(signature)

Athens, 06/02/2018

NOTE: This is a voluntary statement and does not imply any financial commitment or any other legally binding commitment.

Declaration of Participation in Living Lab Activities of the GRASPINNO Project

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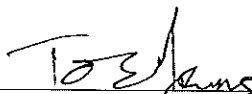
With this signature of Declaration of Participation, the signatory decides to join the Green Fund GRASPINNO Living Lab and names a representative to communicate with the Living Lab regional organization:

AMBRUS IKE, 17, Perialiti str., 15451, Athens

(name and address of the organization)

Tselepis Ioannis

(first and last name of legal representative)



(signature of legal representative)

Tselepis Ioannis, (30) 210 6563812, ambrus.ike@gmail.com

(first and last name of the representative, phone number and e-mail)

University of Patras/General
Secretariat for Commerce
and Consumer Protection

(Living Lab regional
organization)

ATLANTIS Consulting S.A.

(Living Lab regional
representative)



(signature)

Athens, 05/02/2018

NOTE: This is a voluntary statement and does not imply any financial commitment or any other legally binding commitment.

στις δράσεις του Εργαστηρίου Διερεύνησης (Living Lab) του έργου GRASPINNO

Το έργο GRASPINNO στοχεύει στην ενίσχυση της καινοτομίας τόσο του δημόσιου όσο και του ιδιωτικού τομέα στην περιοχή της Μεσογείου (MED) και στην υποστήριξη της έξυπνης και βιώσιμης ανάπτυξης. Το έργο θα υποστηρίξει τα δίκτυα / συστάδες στον τομέα της πράσινης ενέργειας και της οικολογικής καινοτομίας και θα προωθήσει τη διεθνή συνεργασία με την ενίσχυση και την προσαρμογή του διακρατικού δικτύου φορέων οικολογικής καινοτομίας. Μέσω Εργαστηρίων Διερεύνησης, θα επιδιώξει την αλλαγή της υφιστάμενης νοοτροπίας υπέρ της οικολογικής καινοτομίας, της πράσινης ενέργειας και των εμπλεκόμενων δημόσιων και οικονομικών φορέων.

Σύμφωνα με τις δράσεις του έργου GRASPINNO, οι υπογράφωντες συμφωνούν να συμμετάσχουν σε:

Εργαστήριο Διερεύνησης Χρηματοδότησης Πράσινων λύσεων & ενσωμάτωσης Πράσινων κριτηρίων στις Δημόσιες Συμβάσεις

η οποία πτχεύει στον εντοπισμό και την προώθηση μηχανισμών χρηματοδότησης και καθοδήγησης καθώς και ευκαιριών για πράσινη ανάπτυξη μέσω της εξασφάλισης καθοδήγησης ή χρηματοδότησης των Μικρομεσαίων Επιχειρήσεων (ΜμΕ) και των Δημοσίων Φορέων για δράσεις οικολογικής καινοτομίας.

Με την υπογραφή της Δήλωσης Συμμετοχής ο υπογράφων αποφασίζει να συμμετάσχει στο Εργαστήριο Διερεύνησης Χρηματοδότησης Πράσινων λύσεων & ενσωμάτωσης Πράσινων κριτηρίων στις Δημόσιες Συμβάσεις του GRASPINNO και δηλώνει έναν αντιπρόσωπο, ο οποίος θα επικοινωνεί με τον φορέα οργάνωσης του Εργαστηρίου:

ΔΕΗ Α.Ε. Διεύθυνση Ανάπτυξης & Υποστήριξης Πωλήσεων
(όνομα και διεύθυνση του φορέα)

Αθανάσιος Παλάθης Διευθυντής ΔΑΥΠ
(Ονοματεπώνυμο του νόμιμου εκπροσώπου)

Ιωάννης Γιαννούλης
Τομέας Πωλών Προϊόντων & Υπηρεσιών
9105532298 igianoulis@deer.com
(Ονοματεπώνυμο του εκπροσώπου που θα παρακολουθήσει το εργαστήριο, τηλέφωνο επικοινωνίας και διεύθυνση ηλεκτρονικού ταχυδρομείου)

Αθανάσιος Π.
(υπογραφή του εκπροσώπου)

ΓΕΝΙΚΗ ΓΡΑΜΜΑΤΕΙΑ ΕΜΠΟΡΙΟΥ ΑΝΑΣΤΑΣΙΑ ΖΑΧΑΡΟΠΟΥΛΟΥ
(φορέας οργάνωσης του Εργαστηρίου) (εκπρόσωπος του Εργαστηρίου) (υπογραφή)

ΚΑΙ ΠΡΟΣΤΑΣΙΑΣ ΚΑΤΑΝΑΛΩΤΗ

Αθήνα, 16 Ιανουαρίου 2018
(Τόπος και ημερομηνία)

ΠΑΝΕΠΙΣΤΗΜΙΟ ΠΑΤΡΩΝ
(φορέας οργάνωσης του Εργαστηρίου)

ΓΕΩΡΓΙΟΣ ΣΤΕΦΑΝΙΔΗΣ
(εκπρόσωπος του Εργαστηρίου)

Γεωργιος Στεφανιδης
(υπογραφή)

Πάτρα, 16 Ιανουαρίου 2018
(Τόπος και ημερομηνία)

ΣΗΜΕΙΩΣΗ: Πρόκειται για προαιρετική δήλωση και δεν συνεπάγεται καμία οικονομική δέσμευση ή άλλη νομική δέσμευση.

Project co-financed by the European
Regional Development Fund

HELLenic REPUBLIC
MINISTRY OF
ECONOMY & DEVELOPMENT
GENERAL SECRETARIAT
OF COMMERCE &
CONSUMER PROTECTION

ΠΑΝΕΠΙΣΤΗΜΙΟ
ΠΑΤΡΩΝ
ΠΑΤΡΩΝ

Δήλωση Συμμετοχής

στις δράσεις του Εργαστηρίου Διερεύνησης (Living Lab) του έργου GRASPINNO

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KENTPO ANANEΩΣΙΜΩΝ ΠΗΓΩΝ ΕΝΕΡΓΕΙΑΣ

(όνομα και διεύθυνση του φορέα)

Βασίλης Κίλιας
Γενικός Διευθυντής

(Όνοματεπώνυμο του νόμιμου εκπροσώπου)

ΛΟΥΙΖΑ ΠΑΠΑΜΙΧΗΛΗ

(Όνοματεπώνυμο του εκπροσώπου, τηλέφωνο επικοινωνίας και διεύθυνση ηλεκτρονικού ταχυδρομείου)

(υπογραφή του νόμιμου εκπροσώπου)

T: 210 6603395 email: lpapamikis@kies.gr

ΓΕΝΙΚΗ ΓΡΑΜΜΑΤΕΙΑ ΕΜΠΟΡΙΟΥ

ΚΑΙ ΠΡΟΣΤΑΣΙΑΣ ΚΑΤΑΝΑΛΩΤΗ

ΠΑΝΕΠΙΣΤΗΜΙΟ ΠΑΤΡΩΝ

(φορέας οργάνωσης του Εργαστηρίου)

ΑΝΑΣΤΑΣΙΑ ΖΑΧΑΡΟΠΟΥΛΟΥ

ΓΕΩΡΓΙΟΣ ΣΤΕΦΑΝΙΔΗΣ

(εκπρόσωπος του Εργαστηρίου)

(υπογραφή)

ΑΘΗΝΑ, 17-1-2018

(τόπος και ημερομηνία)

ΣΗΜΕΙΩΣΗ: Πρόκειται για προαιρετική δήλωση και δεν συνεπάγεται καμία οικονομική δέσμευση ή άλλη νομική δέσμευση.

Project co-financed by the European
Regional Development Fund

HELLENIC REPUBLIC
MINISTRY OF
ECONOMY & DEVELOPMENT
GENERAL SECRETARIAT
OF COMMERCE &
CONSUMER PROTECTION

ΠΑΝΕΠΙΣΤΗΜΙΟ ΠΑΤΡΩΝ
ΕΠΙΤΡΟΠΗ ΕΜΠΟΡΙΟΥ
ΚΑΙ ΠΡΟΣΤΑΣΙΑΣ ΚΑΤΑΝΑΛΩΤΗ

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Εργαστήριο Διερεύνησης Χρηματοδότησης Πράσινων λύσεων & ενσωμάτωσης Πράσινων κριτηρίων στις Δημόσιες Συμβάσεις

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(Όνομα και διεύθυνση του φορέα)

ΑΝΔΡΕΑΣ ΚΟΤΕΙΦΑΣ
(Όνοματεπώνυμο του νόμιμου εκπροσώπου)

ΑΝΔΡΕΑΣ ΚΟΤΕΙΦΑΣ
6948306629

ακ & eco-progress.gr
(Όνοματεπώνυμο του εκπροσώπου που θα παρακολουθεί το εργαστήριο, τηλέφωνο επικοινωνίας και διεύθυνση ηλεκτρονικού ταχυδρομείου)

Eco progress ΤΕΧΝΙΚΗ ΕΤΑΙΡΕΙΑ
Μ. ΑΝΤΩΝΑΚΑΚΗΣ & ΣΥΝΕΡΓΑΤΕΣ Ο.Ε.
Α.Φ.Μ. 997924478 Α.Δ.Ο.Υ. ΠΑΤΡΩΝ
ΠΑΝΙΜΟΥ & ΑΓ. ΣΟΦΙΑΣ Τ.Κ. 26223-ΠΑΤΡΑ
ΤΗΛ. 2613-013.283 - WWW.ECO-PROGRESS.GR

ΓΕΝΙΚΗ ΓΡΑΜΜΑΤΕΙΑ ΕΜΠΟΡΙΟΥ
(Φορέας οργάνωσης του Εργαστηρίου)
ΚΑΙ ΠΡΟΣΤΑΣΙΑΣ ΚΑΤΑΝΑΛΩΤΗ

ΑΝΑΣΤΑΣΙΑ ΖΑΧΑΡΟΠΟΥΛΟΥ
(Εκπρόσωπος του Εργαστηρίου)

(Υπογραφή)

Αθήνα, 16 Ιανουαρίου 2018
(Τόπος και ημερομηνία)

ΠΑΝΕΠΙΣΤΗΜΙΟ ΠΑΤΡΩΝ
(Φορέας οργάνωσης του Εργαστηρίου)

ΓΕΩΡΓΙΟΣ ΣΤΕΦΑΝΙΔΗΣ
(Εκπρόσωπος του Εργαστηρίου)

(Υπογραφή)

Πάτρα, 16 Ιανουαρίου 2018
(Τόπος και ημερομηνία)

ΣΗΜΕΙΩΣΗ: Πρόκειται για προαιρετική δήλωση και δεν συνεπάγεται καμία οικονομική δέσμευση ή άλλη νομική δέσμευση.

Project co-financed by the European
Regional Development Fund

ΕΛΛΗΝΙΚΗ ΔΗΜΟΚΡΑΤΙΑ
ΥΠΟΥΡΓΕΙΟ ΟΙΚΟΝΟΜΙΑΣ
ΓΕΝΙΚΗ ΓΡΑΜΜΑΤΕΙΑ ΕΜΠΟΡΙΟΥ
ΚΑΙ ΠΡΟΣΤΑΣΙΑΣ ΚΑΤΑΝΑΛΩΤΗ
ΕΠΙΧΕΙΡΗΣΙΑΚΟ ΠΡΟΓΡΑΜΜΑ
ΕΠΙΧΕΙΡΗΣΙΑΚΟ ΠΡΟΓΡΑΜΜΑ
ΠΑΤΡΩΝ

Δήλωση Συμμετοχής

στις δράσεις του Εργαστηρίου Διερεύνησης (Living Lab) του έργου GRASPINNO

Το έργο GRASPINNO στοχεύει στην ενίσχυση της καινοτομίας τόσο του δημόσιου όσο και του ιδιωτικού τομέα στην περιοχή της Μεσογείου (MED) και στην υποστήριξη της έξυπνης και βιώσιμης ανάπτυξης. Το έργο θα υποστηρίξει τα δίκτυα / συστάδες στον τομέα της πράσινης ενέργειας και της οικολογικής καινοτομίας και θα προωθήσει τη διεθνή συνεργασία με την ενίσχυση και την προσαρμογή του διακρατικού δικτύου φορέων οικολογικής καινοτομίας. Μέσω Εργαστηρίων Διερεύνησης, θα επιδιώξει την αλλαγή της υφιστάμενης νοοτροπίας υπέρ της οικολογικής καινοτομίας, της πράσινης ενέργειας και των εμπλεκόμενων δημόσιων και οικονομικών φορέων.

Σύμφωνα με τις δράσεις του έργου GRASPINNO, οι υπογράφοντες συμφωνούν να συμμετάσχουν σε:

Εργαστήριο Διερεύνησης Χρηματοδότησης Πράσινων λύσεων & ενσωμάτωσης Πράσινων κριτηρίων στις Δημόσιες Συμβάσεις

η οποία στοχεύει στον εντοπισμό και την προώθηση μηχανισμών χρηματοδότησης και καθοδήγησης καθώς και ευκαιριών για πράσινη ανάπτυξη μέσω της εξασφάλισης καθοδήγησης ή χρηματοδότησης των Μικρομεσαίων Επιχειρήσεων (ΜμΕ) και των Δημοσίων Φορέων για δράσεις οικολογικής καινοτομίας.

Με την υπογραφή της Δήλωσης Συμμετοχής ο υπογράφων αποφασίζει να συμμετάσχει στο Εργαστήριο Διερεύνησης Χρηματοδότησης Πράσινων λύσεων & ενσωμάτωσης Πράσινων κριτηρίων στις Δημόσιες Συμβάσεις του GRASPINNO και δηλώνει έναν αντιπρόσωπο, ο οποίος θα επικοινωνεί με τον φορέα οργάνωσης του Εργαστηρίου:

GLOBAL ED M.EΠΕ, ΙΩΣΗΦ ΔΑΝΑΣ GLOBAL ED M. ΕΠΕ ΑΘΗΝΑ
(όνομα και διεύθυνση του φορέα)

ΗΡΑΚΛΕΑΝΔΡΕΑΣ ΠΑΝΑΓΙΩΤΗΣ
(Ονοματεπώνυμο του νόμιμου εκπροσώπου)

(υπογραφή του νόμιμου εκπροσώπου)

ΝΙΚΟΛΑΪΔΗΣ ΣΤΥΡΙΑΔΟΥ
(Ονοματεπώνυμο του εκπροσώπου, τηλέφωνο επικοινωνίας και διεύθυνση ηλεκτρονικού ταχυδρομείου)

210 9411933

ΕΚΠΟΜΠΕΥΣΗ ΑΠΛΗΤΕΣ ΕΜΠΟΡΙΑ - ΕΠΙΧΕΙΡΗΣΗ ΟΙΚΙΑΚΩΝ
ΣΥΣΤΗΜΑΤΩΝ ΕΞΟΙΚΟΝΟΜΗΣΗΣ ΕΝΕΡΓΕΙΑΣ ΜΟΝΟΠΡΟΣΩΠΗ
ΕΤΑΙΡΕΙΑ ΠΕΡΙΟΡΙΣΜΕΝΗΣ ΕΥΘΥΝΗΣ
ΙΕΡΗΣ ΒΑΛΑΣΚΗΝΟΥ 19-21 • ΑΘΗΝΑ Τ.Κ. 114 71
ΑΦΜ: 800472030 • ΔΟΥ: Δ' ΑΘΗΝΩΝ
ΤΗΛ: 210 9411933 • FAX: 210 6457153
nikolaides@globaled.com

ΓΕΝΙΚΗ ΓΡΑΜΜΑΤΕΙΑ ΕΜΠΟΡΙΟΥ
ΚΑΙ ΠΡΟΣΤΑΣΙΑΣ ΚΑΤΑΝΑΛΩΣΤΗ
ΠΑΝΕΠΙΣΤΗΜΙΟ ΠΑΤΡΩΝ
(Φορέας οργάνωσης του
Εργαστηρίου)

ΑΝΑΣΤΑΣΙΑ ΖΑΧΑΡΟΠΟΥΛΟΥ
ΓΕΡΓΙΟΣ ΣΤΕΦΑΝΙΔΗΣ
(εκπρόσωπος του Εργαστηρίου)

(υπογραφή)

ΑΘΗΝΑ 15-1-2018
(Τόπος και ημερομηνία)

ΣΗΜΕΙΩΣΗ: Πρόκειται για προαιρετική δήλωση και δεν συνεπάγεται καμία οικονομική δέσμευση ή άλλη νομική δέσμευση.