



SMAGRINET

POWERING SMART GRID
EXPERTISE IN EUROPE



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement no. 837626

[CONTACT US](#)
info@smagrinet.eu

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DELIVERABLE 5.1.

DEPLOYMENT PLAN AND ROADMAP FOR REPLICATION

DELIVERABLE TYPE

Report (first version)

MONTH AND DATE OF DELIVERY

Month 12 I March 2020

WORK PACKAGE

WP 5

LEAD

TUD

DISSEMINATION LEVEL

Report I Public

AUTHORS

Olga Kyselova
Anja Jannack

PROGRAMME

H2020

CONTRACT NUMBER

837626

DURATION

30 Months

START

April 2019





Contributors

Name	Organisation
Olga Kyselova	TUD
Anja Jannack	TUD

Peer Review

Name	Organisation
Joerg Rainer Noenning	TUD
Anneli Roose	Civitta
Catarina Pereira	LOBA
Karl Kull	TalTech

Revision History

Version	Date	Reviewer	Modifications
1	20/03/2020	Anneli Roose	First draft
2	26/03/2020	Karl Kull	Second draft
3	27/03/2020	Christine Michalek, Catarina Pereira	Third version
4	30/03/2020	Bostjan Blazic	Fourth version
5	31/03/2020	Kevin Berger	Final version

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1. Summary

SMAGRINET operational objective is to update, develop and implement a capacity building programme (CBP) for boosting the research, innovation and education for energy transition.

This report is part of the Work Package 5 “Deployment, replication and exploitation” of the SMAGRINET project. It describes the work carried out under T5.1 Deployment plan and roadmap for replication.

The **SMAGRINET Deployment plan and roadmap for replication report**, described by this first version (D5.1) that will be improved and finalized during the second phase of the project (M24), is the document, which includes concrete actions to achieve the multiplier effect, enlarge the network of organizations interested in implementing the capacity building programmes.

The plan and roadmap include concrete actions to achieve the multiplier effect. Support measures such as train-the-trainers’ events that enable the uptake of the programmes will be described. The activities are planned to begin in the middle of the project to ensure that the replication activities are appropriately addressed. The plan and roadmap (first version M12, second M24) are based on the evaluation results of the programmes and lessons learnt in establishing the competence hub for collaboration and knowledge sharing and developing the capacity building programmes will be considered.

2. Introduction

The aim of the deployment plan and roadmap of replicability is to assure the replicability of the project results and concretize the value of the project and suggest actions to find 4 organizations beyond the consortium to take up the short-term programmes during the lifetime of the SMAGRINET project and attend the 2-days train-the-trainers workshop. The trainers of these target organisations from 4 countries will receive online manual and support (deployment package) and be prepared under the train-the-trainers pilot before the start of the second piloting round of the SMAGRINET programmes.

Replication of the capacity building programmes. The stakeholder network is asked to disseminate information regarding the capacity building programmes in their networks with the purpose to find further organizations interested in uptake of the programmes. This process has two main benefits for the project - the recommendations of the Competence Hub enable to identify new organizations interested in the uptake of the programmes that also leads to the enlarged number of contacts in the Competence Hub.

Through taskforce meetings, Telco, desk analysis, the **first version of the SMAGRINET Deployment plan and roadmap for replication report** has been completed. In the second year of the project, the plan and roadmap will be regularly reviewed and updated according to the activities and needs of other related tasks, resulting in a second version of the report in M24.

The main objective of this document is to outline the deployment plan and replication roadmap of the whole project in order to achieve the multiplier effect, enlarge the network of organizations interested in implementing the capacity building programmes.

Note: This document is the first version of SMAGRINET Deployment Plan and roadmap of replication, elaborated at the end of the project first year activities and it provides the initial plans of partners, to the extent that it is feasible. The final version of the plan – containing updated activities, actions and timing – will be delivered at the second phase of the project (M24) to reflect the final partners plans and actions aiming at replicating and deploying the assets of SMAGRINET.

3. SMAGRINET competence hub and capacity building programmes

Fehler! Verweisquelle konnte nicht gefunden werden. depicts the main relationship of this deliverable to other activities and deliverables developed within the SMAGRINET project.

Deliverable No	Contributions
D2.1	List of stakeholders
D2.2	Needs, capacities and resource base mapping report
D3.1	3 challenges and case-based modules
D4.1	Short-term programmes

Table 1: Relation to other activities in the project

In the first period of the SMAGRINET project the consortium has **organized 7 knowledge exchange workshops** “Electrical Engineers for Smart Grid – needs mapping and experience exchange” for the validation of skills, competences and research and innovation needs for the energy transition. The workshops were integrated to the major conferences that enable wide stakeholder engagement.

The main conclusions of the workshops:

- the main barrier for implementing Smart Grid Solutions or Technologies is the availability of sufficiently qualified specialists;
- smart grid specific education should start at the electrical and power engineering masters’ level.

Main characteristics of the competence hub and its actors:

The competence hub is providing services, activities, events and opportunities for European universities, municipalities and energy industries to enhance their capacity in energy research and innovation to tackle the smart grid energy transition. The competence hub, entitled POWER ON, is operated via the SMAGRINET web portal (<https://www.smagrinet.eu/>).

The results of the needs mapping activities were integrated to the competence hub (<https://www.smagrinet.eu/power-on/>).

The main actors of the competence hub are stakeholders from engineering, both academia and industry as well as SSH and ICT, public administration, policy makers and key societal stakeholders.

Brief description in which countries the programmes have been implemented and the students’ participation:

3 case-based master level modules: **First academic year/phase:** KTU (Lithuania) and TUB (Germany) already finished the first round of implementation. TUB with **17 students**, KTU according to their evaluation forms with **8 students**. ULOR (France) and TalTech (Estonia) are currently teaching. ULOR with **16 students**. TUD (Germany) and ULJUB (Slovenia) still have to implement the modules. ULJUB will implement it in September, TUD is yet to be determined due to the coronavirus situation.

Second academic year/phase. Modules are taught by local teaching staff from the consortium universities under supervision of the leading experts. A local simulation will be held at each consortium university following the aims and organization of the international simulation. There will be 6 simulations where all students of the modules (120 students, 20*6) will attend.

3 short-term blended learning programmes (duration 3 months) for different target groups (engineering workforce, early stage researchers and engineering researchers beyond the universities, broader public):

First academic year/ phase - the 3 short-term programmes are will be provided by the **consortium universities targeting** (but not restricted to) the respective **target groups in their 5 countries**, as this is where the 6 live sessions (Germany will have 2) will take place. It is foreseen that all together 270 participants will follow the courses (ca 15 participants per course, 15*3*6). Starting from the **Second academic year/phase** uptake of the short-term programmes by additional **4 organizations beyond the consortium is foreseen within 4 outreach regions**. The **trainers of these target organisations from 4 countries** will receive on-line manual and support (deployment package) and be prepared under the **train-the-trainer pilot** designed and implemented under WP5 by M20, before the start of the second piloting round. **Live sessions will be organised in these countries**, with participation of **local university in the implementation**, supervised by consortium university representative being present. **During the second academic year** together 450 participants will follow the courses implemented by 10 organizations within and beyond consortium (ca 15 participants per course, 15*3*10).

4. Evaluation results of the programmes

Lessons learnt from developing the capacity building programmes (will be described in the D5.1 final report).

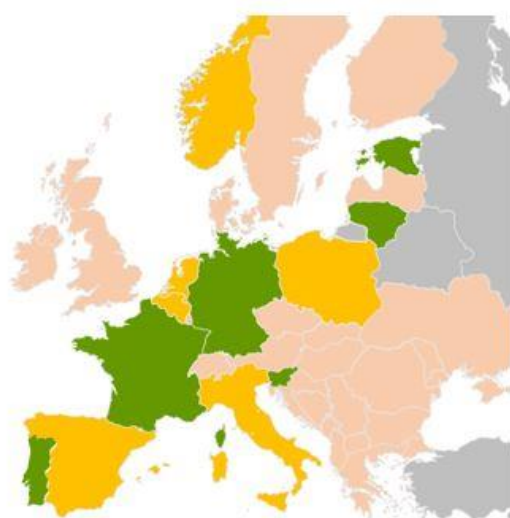
5. Outreach regions of the programmes

3 case-based master level modules: During the first and second academic years the modules are taught by the leading experts of the **consortium** who are going to rotate between the **6 consortium universities**.

In the first phase of the project the programmes were implemented in:

- KTU and TUB are finished with the first round of implementation;
- ULOR started and is still proceeding with the module, despite university shutdown; they are teaching via moodle during the coronavirus quarantine time;
- TalTech started and has the same situation as ULOR;
- TUD has no online solution planned during the coronavirus quarantine time – may have to be postponed;
- Ljubljana is scheduled for September.

3 short-term blended learning programmes: First academic year/ phase - the 3 short-term programmes are will be provided by the **consortium universities** targeting (but not restricted to) the respective target groups **in their 5 countries**, as this is where the 6 live sessions (DE will have 2) will take place. Starting from the **second academic year/phase** uptake of the short-term programmes by 4 additional organizations beyond the consortium is foreseen within 4 capacity building focus regions. Preliminary selection of countries as proposed in the DoA was: 1) Northern Europe - Norway, 2) Eastern Europe - Poland, 3) Southern Europe - Portugal or Spain, 4) Central Europe - the Netherlands, Belgium or Italy.



- Consortium partner countries: EE; SL; DE; FR; LT; PT
- Additional capacity building focus regions: South (ES), North (NO), East (PL), Central Europe (BE, IT or NL)
- SMAGRINET outreach countries: Rest of EU member states and associated countries

In the suggested regions the consortium has mapped the following actors (Tabl.2):

Region/country	Hub actors mapped
Northern Europe	
Norway	Norwegian University of Science and Technology (letter of intent)
Eastern Europe	
Poland	The Silesian University of Technology Faculty of Electrical Engineering Department of Power Electronics, Electrical Drives and Robotics <i>participant of the SMAGRINET Workshop in ULOR</i>
Romania	University POLITEHNICA of Bucharest, Faculty of Power Engineering, Department of Power Systems <i>participant of the SMAGRINET Workshop within conference ISGT-Europe 2019, Bucharest</i>
Southern Europe	
Portugal	Universidade Nova de Lisboa (FCT NOVA), Faculty of Science and Technology, Department of Electrical and Electrical Engineering (DEE) <i>Mapped via communication in Linkedin.com</i>

Greece	National Technical University of Athens, Institute of Communication and Computer Systems <i>participant of the SMAGRINET Workshop within conference ISGT-Europe 2019, Bucharest</i>
Central Europe	
The Netherlands	TU Delft, Faculty of Electrical Engineering, Mathematics & Computer Science, Department of Electrical Sustainable Energy <i>Mapped via communication in Linkedin.com</i>
Italy	University of Sannio, Department of Energy Engineering <i>participant of the SMAGRINET Workshop within conference ISGT-Europe 2019</i>
Rest of EU and associated countries	
Ukraine	University of Urban Economy in Kharkiv, Department of Systems of Urban of Electricity Supply and Power Consumption <i>participant of the SMAGRINET Workshop within the International Conference "Power Electronics and Energy Efficiency - 2019", Kharkiv</i>

Table 2: Mapped countries – analysis of concrete organizations to whom to approach (local Universities)

Based on the actors mapped, in the second round of short-term programmes piloting the consortium is advised to focus to Norway (based on the contact to the **Norwegian University of Science and Technology**) and Romania, Portugal or Greece, the Netherlands, or Italy and Ukraine, based on their wishes during the SMAGRINET workshops and/or actors mapping during the communications via professional social medias, i.e. Linkedin.

6. Deployment Plan

The Deployment Plan (Tab. 3) demonstrates how to enlarge the network of organizations interested in implementing the capacity building programmes during the project lifetime (the updated plan could include information how to widen the network after the project lifetime).

The target groups are split in 2 groups: the ones with engineering background and others:

Target groups with engineering background:

- Master students;
- Current workforce from the industry, incl. service providers, professional end users, public administration (decision makers, managers, representatives of cities and regions), engineering universities, industry representatives at large;
- Early stage researchers, engineering trainees beyond universities;



Target groups with background other than engineering:

- University students;
- Vocational education and applied higher education students;
- SSH and ICT representatives, specialists from other industry sectors, public administration (decision makers, managers, cities and regions);
- Decision makers and managers;
- Wider audience

N	How to reach stakeholders during the project term	Type of informing	Target groups ¹	Channels	Expected impact (KPIs)
1	To inform about the modules	on-line brochure with modules description (https://www.smagrinet.eu/power-on/powerful-services/) Dissemination information via: Newsletters Web-sites and social medias Workshops, conferences, events (internal and external) Direct calling and mailing	1,2,4-8	<ul style="list-style-type: none"> - Updated information of project and partner Universities web-sites and social networks - direct information (face-to-face) from university teachers - direct calling via phone and direct mailing - published video lectures - published teasers - Newsletters dispatched - Published Press Releases - 3 network building and experience exchange workshops organisation - presentation of the project results on the External events, conferences, workshops - dissemination of project printed materials - Mailing via mapped stakeholders list - Promotional videos presented at events and social media 	Around 300 students will attend the master programmes Around 500 brochures will be downloaded from the SMAGRINET web portal increased website and social media contact rates (500 visits per month. More than 40% of visitors spending 1 minute or more in) new mapped stakeholders: at least 100 new members in the list Requests for modules replication: at least from 1 University in each 27 EU MS and 3 AMS -> at least 30 contacts for follow up actions At least 100 contacts showing interest in receiving detailed info
2	To inform about the modules and blended learning programmes	on-line brochure with modules and short programmes description	2, 4-8	See 1)	Around 1000 participants will attend the short-term programmes and around 300 students will attend the master programmes

¹Target groups with engineering background: 1=Master students; 2=Current workforce from the industry, incl. service providers, professional end users, public administration (decision makers, managers, representatives of cities and regions), engineering universities, industry representatives at large; 3=Early stage researchers, engineering trainees beyond universities; Target groups with background other than engineering: 4=University students; 5=Vocational education and applied higher education students; 6=SSH and ICT representatives, specialists from other industry sectors, public administration (decision makers, managers, cities and regions); 7=Decision makers and managers; 8=Wider audience

		<p>on-line manual and support (deployment package)</p> <p>project video</p> <p>on-line lectures</p> <p>teasers</p> <p>Dissemination information via:</p> <p>See 1)</p>			<p>Around 2000 brochures will be downloaded from the SMAGRINET web portal</p> <p>Increased website and social media contact rates (500 visits per month. More than 40% of visitors spending 1 minutes or more in)</p> <p>new mapped stakeholders: at least 100 new members in the list</p> <p>Requests for courses replication: at least from 10 from each targeted group in each 27 EU MS and 3 AMS -> at least 30 contacts for follow up actions</p> <p>At least 500 contacts showing interest in receiving detailed info</p> <p>Networks of the consortium in the target countries</p>
3	To inform about the capacity building programmes	<p>on-line brochure with modules and short programmes description</p> <p>on-line manual and support (deployment package)</p> <p>project video</p> <p>on-line lectures</p> <p>teasers</p> <p>Dissemination information via:</p> <p>See 1)</p>	3	See 1)	See 2)

4	To inform about the methodological manuals	on-line manual and support (deployment package) train-the trainers' workshop Dissemination information via: See 1)	3		<p>Around 1000 participants will attend the short-term programmes and around 300 students will attend the master programmes</p> <p>Around 1000 brochures will be downloaded from SMAGRINET web portal</p> <p>Around 100 manuals will be downloaded from SMAGRINET web portal</p> <p>At least 500 contacts showing interest in receiving detailed info</p> <p>Networks of the consortium in the target countries</p>
5	To inform and involve in the train-the-trainers pilot	on-line brochure with modules and short programmes description Grants for early stage researchers to participate in the train-the-trainers' workshop Dissemination information via: See 1)	3	See 1)	<p>Additional 4 organizations beyond the consortium will participate in short-programmes pilot during the second year/phase</p> <p>Requests for courses replication: at least from 5 from each targeted group in each 27 EU MS and 3 AMS -> at least 20 contacts for follow up actions</p>
6	To inform/sensitize about SMAGRINET. To collect feedback/perception towards SMAGRINET	3 network building and experience exchange workshops organisation Advisory Board meetings Smagrinet Annual Conference	All target groups	<p>See 1)</p> <p>Discussions via Forum (https://forum.smagrinet.eu/): share stories, ideas, pictures and more</p>	<p>2 annual conferences will be organised under the frame of SMAGRINET respectively with 50 and 100 participants</p> <p>3 AB meetings will be organised</p> <p>Around 100 web site visitors will join the Forum and view the discussions</p>

		External conferences, workshop, events Forum on the Smagrinet website			
7	To engage to actively participate in the project activities and events, and to be part of SMAGRINET community	Direct calling and mailing via stakeholders mapped list	All target groups	See 1) Discussions via Forum (https://forum.smagrinet.eu/): share stories, ideas, pictures and more	25 registered external participants at each project event Around 2000 brochures and manuals will be downloaded from SMAGRINET web portal Around 100 web site visitors will join the Forum and view the discussions At least 5 events participated per partner
8	To inform about the project objectives, events and achievements	Updated information on the Smagrinet web-site, social networks, and on the partners web-sites and social networks	All target groups	See 1) Discussions via Forum (https://forum.smagrinet.eu/): share stories, ideas, pictures and more	increased website and social media contact rates (500 visits per month. More than 40% of visitors spending 1 minutes or more in) new mapped stakeholders: at least 100 new members in the list Around 100 web site visitors will join the Forum and view the discussions At least 5 events participated per partner

Table 3: Deployment Plan

The following table 4 shows the metrics method to measure the KPIs.

Activity	Expected results (KPIs)	Metrics method
To inform about the modules	Around 300 students will attend the master programmes	number of students registered to the course
	At least 100 contacts showing interest in receiving detailed info in master courses	Number of web portal visits and brochure download

	increased website and social media contact rates (500 vis-its per month. More than 40% of visitors spending 1 minute or more in)	Number of visits, time spent on the web portal and returning visitors; Number of countries
	new mapped stakeholders: at least 100 new members in the list	registrated participants on SMAGRINET events and number of organisations, who are interested in replication
	Around 500 brochures will downloaded	Number of the downloaded brochures from the SMAGRINET web portal
	Requests for modules replication: at least from 1 University in each 27 EU MS and 3 AMS -> at least 30 contacts for follow up actions	registrated participants on the SMAGRINET events; Number of the downloaded brochures from the SMAGRINET web portal; direct contacts regarding the modules replication;
	At least 100 contacts showing interest in receiving detailed info	registrated participants on SMAGRINET events; Number of brochures downloaded from the SMAGRINET web portal; number of the downloaded manuals and deployment plan from the SMAGRINET web portal
To inform about the modules and blended learning programmes	Around 2000 brochures will downloaded	Number of brochure downloaded from the SMAGRINET web portal
To inform about the capacity building programmes	increased website and social media contact rates (500 visits per month. More than 40% of visitors spending 1 minutes or more in)	Number of visits, time spent on the web portal and returning visitors; Number of countries
	new mapped stakeholders: at least 100 new members in the list	registrated participants on SMAGRINET events and number of organisations, who are interested in pilots and/or in replication

	Requests for courses replication: at least from 10 from each targeted group in each 27 EU MS and 3 AMS -> at least 30 contacts for follow up actions	registered participants on SMAGRINET events; Number of brochures download on the SMAGRINET web portal; direct contacts regarding the CBPs replication; number of the downloaded manuals and deployment plan from the SMAGRINET web portal
	At least 500 contacts showing interest in receiving detailed info	registered participants on SMAGRINET events; Number of the downloaded brochures and number of the downloaded manuals and deployment plan from the SMAGRINET web portal
	Networks of the consortium in the target countries	number of pilots and participants in train-the-trainers workshop; number of the downloaded manuals and deployment plan from the SMAGRINET web portal
	Around 1000 participants will attend the short-term programmes and around 300 students will attend the master programmes	number of students registered to participate in CBPs; number of the downloaded manuals from the SMAGRINET web portal
To inform about the methodological manuals	Around 1000 participants will attend the short-term programmes and around 300 students will attend the master programmes	number of students registered to participate in CBPs; number of the downloaded manuals and deployment plan from the SMAGRINET web portal
	Around 1000 brochures will be downloaded from SMAGRINET web portal	number of the downloaded brochures
	Around 100 manuals will be downloaded from SMAGRINET web portal	number of the downloaded manuals
	At least 500 contacts showing interest in receiving detailed info	number of the downloaded manuals, brochures, number of the registered participants on the SMAGRINET events; number of the downloaded manuals and deployment plan from the SMAGRINET web portal

	Networks of the consortium in the target countries	number of pilots and participants in train-the-trainers workshop; number of the downloaded manuals and deployment plan from the SMAGRINET web portal
To inform and involve in the train-the-trainers pilot	Additional 4 organizations beyond the consortium will participate in short-programmes pilot during the second year/phase	number of countries and organisations, where pilots will done
	Requests for courses replication: at least from 5 from each targeted group in each 27 EU MS and 3 AMS -> at least 20 contacts for follow up actions	number of pilots and participants in train-the-trainers workshop; number of the downloaded manuals and deployment plan from the SMAGRINET web portal
To inform/sensitize about SMAGRINET. To collect feedback/perception towards SMAGRINET	2 annual conferences will be organised under the frame of SMAGRINET respectively with 50 and 100 participants	number of conferencies and number of the registered participants
	3 AB meetings will be organised	AB meeting reports
	Around 100 web site visitors will join the Forum and view the discussions	Number of visits, time spent on the web portal and returning visitors; Number of discussion in Forum
To engage to actively participate in the project activities and events, and to be part of SMAGRINET community	25 registered external participants at each project event	number of the registered participants
	Around 2000 brochures and manuals will downloaded from SMAGRINET web portal	number of the downloaded brochures and manuals from the SMAGRINET web portal
	Around 100 web site visitors will join the Forum and view the discussions	Number of visits, time spent on the web portal and returning visitors; Number of discussion in Forum
	At least 5 events participated per partner	number of the events per partner

To inform about the project objectives, events and achievements	increased website and social media contact rates (500 visits per month. More than 40% of visitors spending 1 minutes or more in)	Number of visits, time spent on the web portal and returning visitors; Number of countries
	new mapped stakeholders: at least 100 new members in the list	registrated participants on SMAGRINET events and number of organisations, who are interested in replication
	Around 100 web site visitors will join the Forum and view the discussions	Number of visits, time spent on the web portal and returning visitors; Number of discussion in Forum
	At least 5 events participated per partner	number of events per partner

Table 4: KPIs

7. The Channels for replication

The main channel for replication is the SMAGRINET website, where Network and Competence Hub – called “POWER ON”, which brings together different stakeholders from engineering, academia and industry, public administration, policy makers and key societal stakeholders, also the Advisory Board members, who are leading experts in the field of new generation of electrical grid technology (smart grids).

Other channels: the SMAGRINET project website, social networks, publications and email marketing of project newsletters (twice a year), with news and information on project activities, events and outputs available. **The telephone** and messengers (WhatsApp, Viber, Skype, Telegram) for **calling** to the stakeholders.

Also, **3 network building and experience exchange workshops** as part of international conferences with significant importance in the engineering areas such as International Council on Large Electric Systems (CIGRE) events and International Conference on Electricity Distribution (CIRED) with focus to the further development of the smart grid capacity building modules and industry-academia-public-administration collaboration will be organized.

Transnational collaboration of the SMAGRINET project allows to bring together top-level and interdisciplinary expertise from European universities, the knowledge that is today fragmented all over Europe will be merged together to create modules that are novel in terms of content. Additionally, further guest external lectures from R&I, industry, SSH, public administration and policy institutions industry representatives will be engaged for ensuring interdisciplinarity, engagement with the needs of external stakeholders and preparing for replication of the programmes.

8. Roadmap for replication

Task 5.1 is dedicated to manage the replication activities for the SMAGRINET project. The following Figure 1 summarises the main findings. The roadmap for replication is described on the Tab. 4.

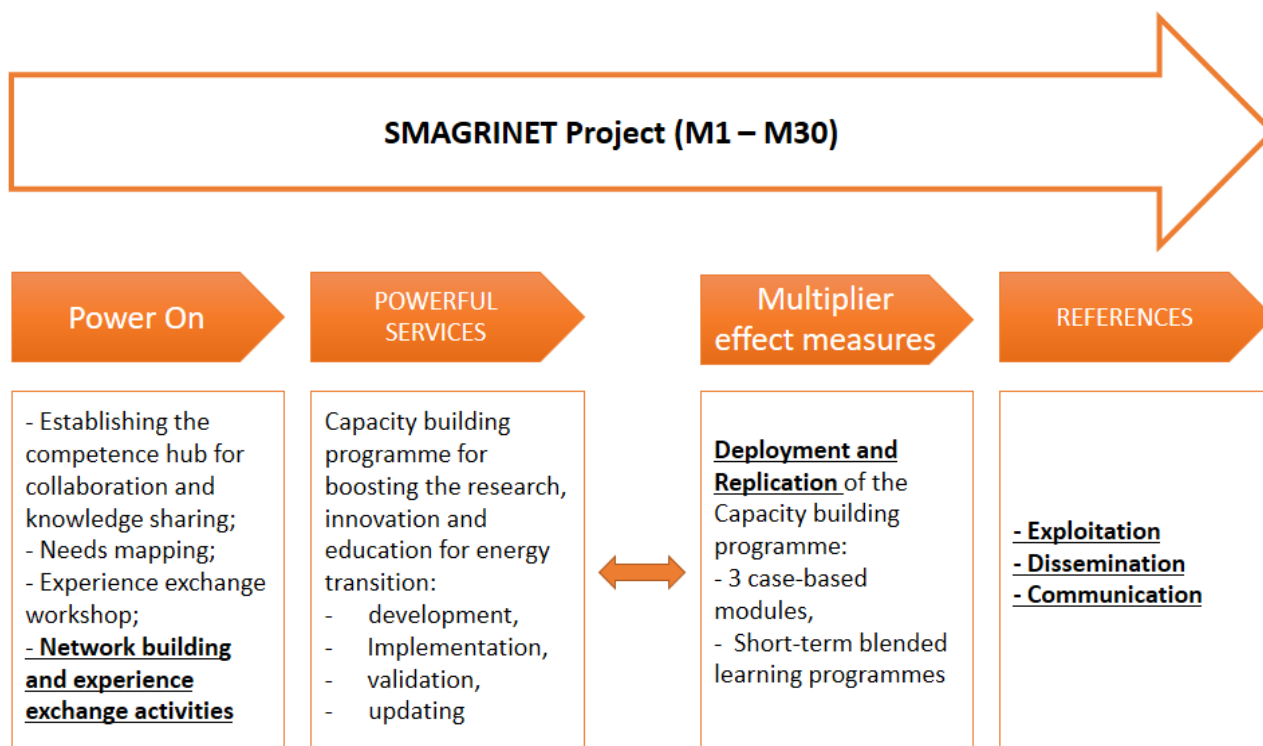


Figure 1: SMAGRINET roadmap

The stakeholders mapped under T2.1. will be engaged to the SMAGRINET project activities throughout the project. After giving input to the T2.2 and T2.3, they will be engaged to the further network building and experience exchange activities, also the activities are aimed at enlarging the network constantly. The list of activities – roadmap of replication is presented in Tab. 5.

Activities	Indicative Timeline						Responsible Partner
	M13-15	M16-18	M19-21	M22-24	M25-27	M28-30	
1. Video lectures development	x	x					ULOR
video lectures publishing on the web (project/partners web sites, social media)	x						LOBA
preparing a letter and Press Release for web-sites with information about video lectures and access	x						LOBA, ULOR
sending the letter via stakeholders emailing list, calling and direct emailing to some of them	x	x	x	x	x	x	LOBA, TUD, all partners

2. Project teasers development based on the video lectures	x	x					LOBA, ULOR
project teasers publishing on the web (project/partner web sites, social media) and Press Release		x					LOBA
sending the letter via stakeholders emailing list and calling and direct emailing to some of them		x	x	x	x	x	LOBA, TUD, all partners
3. Project video development	x						LOBA
project video development and publishing in Utube (project/partner web sites, social media)	x						LOBA
preparing a letter and Press Release for websites with information about project video and access	x						LOBA, TalTech
sending the letter via stakeholders emailing list and direct emailing to some of them	x	x	x	x	x	x	LOBA, TUD, all partners
4. Project presentations and video demonstration during 3 network building and experience exchange workshops	TBA, as all the events were cancelled or postponed due to coronavirus						
5. Development of on-line brochure with modules and short programmes description (on-line)	x	x					LOBA, TUB, ULOR
on-line brochures publishing on the web (project web site, social media)	x	x					LOBA
preparing the letter and Press Release with information about modules and short term programmes with links to the online brochures on the web-site		x					LOBA, TUB, ULOR

Sending the letter via stakeholders emailing list and calling and direct emailing to some of them		x	x	x	x	x	LOBA, TUD, all partners
6. Project printed materials (i.e. brochure, poster, roll-up, goodies...) dissemination during project and other relevant events (the list of events TBA)	x	x	x	x	x	x	all partners
7. On-line manual and support (deployment package) development	x	x					TalTech
preparing a letter and Press Release with information regarding the deployment package		x					TalTech, ULJUB
sending the letter via stakeholders mailing list and calling and direct emailing to some of them		x		x		x	LOBA, TUD, all partners
8. Grants for early stage researchers to participate in the train-the-trainers' workshop (grant scheme and evaluation criterias development)	x	x					ULJUB, TalTech, all partners
preparing and sending the letter and Press Release with information about grants. Publishing Press Release on the project and partners web sites and social medias		x					LOBA, TUD, all partners
Evaluation and notification for participants		x	x				ULJUB, TalTech, all partners
9. train-the-trainers' workshop organisation		x	x				ULJUB, TalTech, all partners
10. Using Contextual advertising on the website (google "key words")	during the project						
11. Presentation the project results on the External events, conferences, workshops	To be defined ad hoc						
12. 2nd Newsletter development	x				x		LOBA, all partners
13. Newsletter dispatched	x	x			x	x	LOBA



14. Press Release	Adhoc (when relevant announcements/achievements)	
15. Publications	To be defined ad hoc	

Table 5: SMAGRINET roadmap for replication

9. Summary

The developed deployment plan and roadmap include concrete actions to achieve the multiplier effect and **answered to the following questions:**

- How to reach, involve and engage different target group to the project activities during the project term
- Which channels for replication to use and how
- How do we measure the expected impacts (KPIs) of deployment and replication
- What are concrete activities
- Who is responsible for which activity

This document will be updated regularly during next 12 months and the finish version of it will be delivered on M24 (Deliverable 5.1).



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