

WORKSHOP WITH PARTNERS AND MEMBERS OF THE "DEPLOYMENT DESKS" - SLOVENIA

D.T3.3.3 and D.C.6.2

Version 1

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Title Workshop with partners and members of the "deployment desks" - Slovenia
Deliverable D.T3.3.3
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1. Summary

In the framework of Store4HUC Slovenian partners organized and carried out the workshop/training on tools for stakeholders and practitioners. The main aim and the topics of the training was to present the functionalities of the tools. The tools that have been presented are Autarky rate tool and EMS tools (Module 1: Optimal sizing calculator and Module 2: Optimal heat source scheduler).

The workshop was organized along with the thematic seminar in relation to another deliverable D.C.6.2. With this we increase the audience and make easier promotion of the project on one side and the tool on another side.

Project partners made the training more attractive by involvement of participants during presentations with interactive questions. This provided higher commitment and understanding of the tool. Furthermore, the workshop was organized in the practical manner as well, such as testing the tool by participants themselves. This was truly beneficial, as personal experience has a major role on decisions if use the tool in the future or not.

Various institutions took part such as: municipalities, agencies, private company, experts and practitioners.

After the sessions a long and fruitful conversations were done with very interesting ideas. It was especially valuable that the participants learned from each other. A general response was that such events are useful and should be repeated. Also, the participants reported their interest in tool usage and possible Letter of intent signing.

2. Date and place

Date: 14th of June 2021

Place: online through Zoom

3. Number and types of participants/target groups

23 attendees participated at the event (seminar and workshop). There was variety of organisations which are:

- Municipality;
- Higher research and education;
- Agencies (development and energy);
- Service providers;
- Policy organisation;

4. Topics tackled and Expected effects and follow up

Project partners shared their knowledge to the different targets on the tools. The training consisted mainly from the theoretical part and practical one. There were also additional topics that were discussed with the audience such as: what are the background information and data, how the tools were developed, etc. The practical part was attractive since the participants could get acquainted and involved by testing the tools themselves.



The trainings were mostly attended by energy experts. There was a lack of municipality officials, unfortunately.

The participants of the trainings were very satisfied with the content. They welcome the new topics. Although the number of the municipalities attended was not satisfied the impact of the training was high.

In general, the scientific backgrounds information and data were presented what makes the training more convincing and motivating. The effect of the training was measured by oral feedback of the participants during the event. The responses were positive in terms of support for further tool usage. Additionally, the practical training is also more useful and it gives the participants much more useful information and impact.

5. Annexes

- Documentation of the workshop;

5.1. Invitation and Agenda

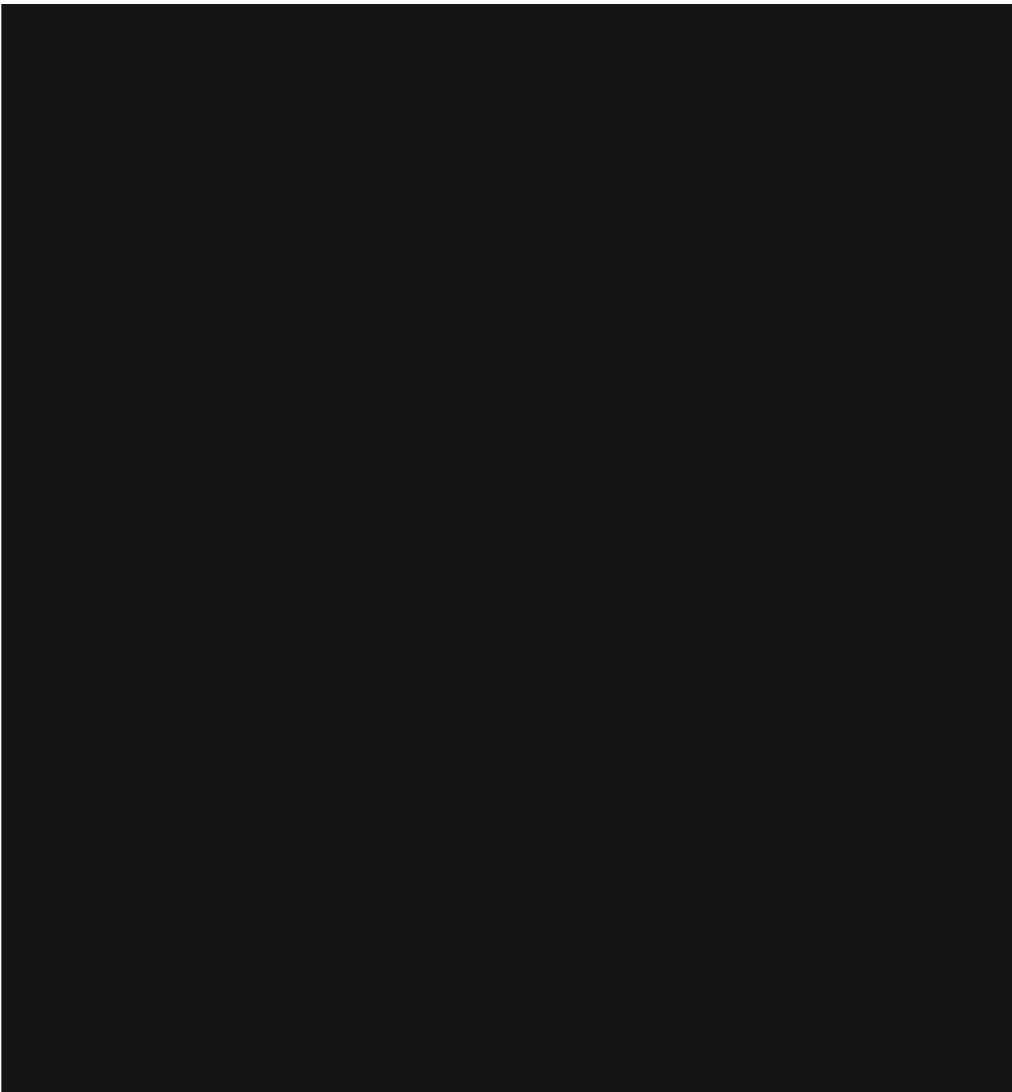


Lokacija: online - ZOOM: <https://zoom.us/j/95178243340>

14. junij 2021: 10:00 - 15:00	
10:00 - 10:05	Prihod in zbiranje
10:05	Pozdravni nagovor <i>Jasmin Kuček, direktor Razvojne agencije Sinergija</i> Uvod v seminar in delavnico <i>Katja Karba, strokovna sodelavka Razvojne agencije Sinergije</i>
10:45	Hranilniki energije - zelena prihodnost Pomurja? <i>Bojan Vogrinčič, Lokalna energetska agencija za Pomurje</i>
11:15	Možne rešitve hranilnikov energije <i>Dušan Prejác, IVON, inštalacije bgregvalnih naprav</i>
11:45	Predstavitvev hranilnika toplote lendavske knjižnice in ostalih projektnih pilotov <i>Štefan Žohar, Razvojna agencija Sinergija</i>
12:15	Kosilo
13:15	Autarky rate orodje <i>Štefan Žohar, Razvojna agencija Sinergija</i>
13:45	Kalkulator optimalne velikosti (Optimal sizing calculator) <i>Štefan Žohar, Razvojna agencija Sinergija</i>
14:15	Načrtovalnik optimalnega vira toplote (Optimal heat source scheduler) <i>Štefan Žohar, Razvojna agencija Sinergija</i>
14:45	Vprašanja in odgovori
15:00	Zaključki seminarja in delavnice <i>Katja Karba, Razvojna agencija Sinergija</i>
15:15	Konec srečanja





5.2. List of participants





5.3. Pictures


Zoom Meeting


STORE4HUC PILOTI


 






HR pilot - Dvorec Bračak


SI pilot - knjižnica Lendava


IT pilot - vzpenjača v Cuneu


AT pilot - župnišče Weizberg



TAKING COOPERATION FORWARD  3



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BO

Store4HUC - Interreg x Autarky Rate Tool x +

https://store4huc-autarky.4wardenergy.at/?lang=si&evaluation

Strefnika ni mogoče n... LEAP RAS BH IFPA Privat Jezik: SI

Priority: Low Carbon Cities and Regions

Interreg CENTRAL EUROPE European Union European Regional Development Fund STORE4HUC

Pokaži informacije o orodju

Autarky Rate Tool

ZBIRANJE PODATKOV

TIP PROIZVODNE NAPRAVE

TIP: Fotovoltaika (PV)

MAKSIMALNA ZMOGLJIVOST: 7 kWp

USMERJENOST (SMER ZA PV): Jug-Vzhod

NAKLON (KAMN ZA PV): 35

PARAMETRI HRANILNIKA

UPORABNA ZMOGLJIVOST HRANILNIKA: 4 kWh

POLNILNA ZMOGLJIVOST: 2 kW

DATA COLLECTION

Stefan Zohar

Katja Karba - R...

Zoom Meeting

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BO

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Zoom Meeting | You are viewing Štefan | View Options

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OPTIMAL SIZING CALCULATOR

LOW CARBON CITIES AND REGIONS

interreg CENTRAL EUROPE STORE4HUC

ORODJE ZA IZRAČUN OPTIMALNE VELIKOSTI SISTEMA PV IN BATERIJE

OSNOVNI PARAMETRI	
Država	
Tip uporabnika	
Obračun količina modj	
Letna poraba	kWh
Povračilna doba investicije	leta
Največja možna vrednost	€
Kriterij optimalnosti	

PARAMETRI BATERIJSKEGA HRANILNIKA	
Letna doba	2000
Globina praznjenja (DoD)	0,8
Učinkovitost polnjenja	0,9
Učinkovitost praznjenja	0,9
Življenjska doba pretvornika modj	25
Cena novega akumulatorja	770 €/kWh
Cena novega pretvornika modj	680 €/kW

PARAMETRI PV SISTEMA	
Največja količina modj	5 kWp
Učurnost	jug
Napetost	30
Življenjska doba PV sistema	25
Cena PV sistema	1200 €/kWp

Pred uporabo se prepričajte, da se računalnik ujema s **sistemskimi zahtevami**:

- CPU: 4 (ali več) jeder
- RAM: 16 (ali več) GB
- OS: Windows 10

Izračunaj optimalne velikosti | Preklični izračun | Privzete vrednosti

TAKING COOPERATION FORWARD 8

Stefan Zohar
Katja Karba - RA S.

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PILOT V SLOVENIJI (LEDAVA)

Daljnisko ogrevanje na geotermalno energijo v povezavi z latentnim hranilnikom toplote na osnovi parafina v Lendavi



Cilj: nadomestiti ELKO na OVE, zmanjšanje porabe (4.000 kWh/a ali 3%) in CO₂ emisij (22 t/a) in stroške za ogrevanje; uporaba inovativnih rešitev

Ciljna skupina: občina/javni sektor (prenosljivo na zasebni sektor)

Izzivi: nizke temperature v obstoječem sistemu DOGE; omejeni prostor/spomeniško zaščiten objekt - nabava primerne materiala (PCM material, hranilniki)

Prenosljivost: unikaten v Sloveniji - na območja z geotermalnim potencialom ali v kombinaciji z daljinskim ogrevanjem na lesno biomaso

Trajnost: trajna

Napredek: odprava LEAG in SEAP(ANTE) in testiranja v IZVAJANJU

From Anton Pogačnik LEAG to Everyone
Kaj se je pa delalo za Bračak?

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5.4. Media coverage

- N/A

5.5. Web-links

- N/A