# DOCUMENTATION ON CROSS-FERTILIZATION OPPORTUNITIES/EVENTS

D.C.6.4

The transnational report

Version 1

Date
20.10.2021

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|---|---|
| Title | Documentation on cross-fertilization opportunities/events |
| Deliverable | D.C.6.4 |
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| Status | |
| Reviewed by | Katja Karba |
| Submission | |

# Content

# 1. Summary

Germany: The German team in Climate Alliance has prepared 3 cross fertilization events;

- Climate Alliance International Conference 2019 in Rostock, Germany;

The Store4HUC event was embedded in the Climate Alliance International Conference in Rostock, Germany. The event format was a guided thematic tour related to “Bottom-up Strategies - From Buildings to Energy Communities”. Here the participants had the opportunity to get to know concrete experiences, projects or methods from other municipalities and to actively exchange their experiences and perspectives with each other.

The goal was raising awareness among the municipal representatives on the importance of developing solutions for renewable energies and their storage in historical urban sites. The local press reported on the project and on the meeting. During the meeting people were able to learn more about the project and the local pilot action. They had the chance to debate with Mrs Andrea Dornhofer, local representative of Store4HUC pilot partner Weiz / Austria.

The meeting has been a valuable opportunity to inform and to involve the representatives of local municipalities about a process to improve the renewables utilization. Moreover, it has been a way for people to know a real local example of the European cooperation policy in the environment area.

- Environmental Fair in Bingen am Rhein

The cross-fertilization event took place in the framework of the environmental fair of the University of Applied Science of Bingen am Rhein. There, companies, students and scientists have a chance to meet each other and discuss topics. Different institutions and companies are also introducing themselves to each other and use this opportunity to get in touch. Furthermore, the University is presenting their research projects and findings.

In non-Covid years the event would we hosted in the facilities of the university but because of the given situation the fair took place online in form of speeches and presentations via the conference software BigBlueButton. Each party had a 30 min slot to present their cause and for the Store4HUC timeslot Axel Veitengruber from Climate Alliance did the presentation. He presented why the project is needed, what it wants to achieve, the different pilot actions and the tools which were created to an audience of around 170 people. After the presentations the audience had the opportunity to ask questions about Store4HUC and a short discussion developed.

- Climate Alliance International Conference 2021, Online / Wels (Austria)

The 2021 Climate Alliance International Conference (CAIC2021) was being made possible both online and in Wels (Austria) with the cooperation and support of the State of Upper Austria, the City of Wels, Climate Alliance Upper Austria and Climate Alliance Austria.

Store4HUC has taken place online in the market places for 3 days in the conference via the conference software Hopin, where the idea of the project was clarified by Store4HUC team members, and an overview of it was given to the visitors. Most of the visitors were official representatives of different municipalities in Europe, where the idea of the project is improving and enriching energy and spatial planning strategies targeting historical city centers by focusing on integration of energy storage systems to enhance the public institutional and utility capabilities.

A large part of the discussions with people was awareness of the problem posed by the project, as the problem that Store4HUC is trying to solve was absent from the minds of many representatives of the

municipalities, but most of them showed interest in the theoretical aspect of the project as well as the practical applications. It should be noted that the energy management tools have been showed by project's partner Filip Rukavina (PP9 from Croatia) for the audience and an explanation of how to use it, where the tools indicate the economic and reasonable utilization of storages.

Austria:

Among the **Austrian team** (PP3, PP4, PP5) two events could be performed for the given deliverable D.C.6.4 by being invited for poster and oral presentations on international conferences outlined hereafter. Event 1: 3rd Conference on Smart and Sustainable Planning for Cities and Regions – SSPCR 2019 in Bolzano. Event 2: "Greening the Strategies" will act as the central topic of the 6th version of the Central European Biomass Conference (CEBC) and, therefore, examine whether the existing greening strategies are sufficient enough to serve as an realistic exit from fossil fuels. In the wake of current debates concerning the topic of sustainable energy policy, future markets and the closing of circuits will play a major role at the conference. Furthermore, visitors can look forward to interesting contributions and workshops on the topics of bio economy, decarbonisation, biomass and residue potentials, pyrolysis and many more.

All the following details are extracted from received Emails from the host or found inputs on the home pages of the conference organisers (www.sspcr.eurac.edu and www.cebc.at ).

Slovenia:

There were 3 dissemination events organized in the Slovenian promoting Store4HUC project and its goals and aims. One event was outside-event (no.1) and combined with other projects, another one was online event through Zoom (no. 2), the tools of project Store4HUC were presented in the frame of the monthly event of Energetika.NET e-newspaper, the leading energy media in Slovenia.

Overall, there were 70 participants at the dissemination events who were actively involved, at the events were also other participants that have not took the participation so intensively. The participants and the target groups were mostly with the 'energy' background.

First cross-fertilization event was related to the opening business opportunities and exchanging good practices in the field of energy in Prekmurje. The purpose of the event was to get to know the activities of companies and other institutions and networking in order to open new business opportunities among participants. The second event was on a national level. With the members of the events it was spoken about the future of smart cities and energy communities.

The last presentation was held on 2.2.2022 as part of the INTERREG Danube project CSSC Lab where many various examples of the storages have been presented. Since the project is related to the city storages and sector coupling lab our project perfectly fitted to the event. The Lendava pilot site has been presented and been compared to another and the same example - latent (ice) heat storage.

Italy:

The two Italian partners of Store4HUC project, Environment Park and the Municipality of Cuneo, participated in two cross-fertilization events along the project duration: the first organized in summer 2020 and the second in spring 2021. The opportunity to participate in other projects' events on similar topics was given by the Interreg Europe "SHREC" project and by the Interreg Med "Renewable Energy" project. Not only, the second cross-fertilization event held in 2021 saw a large attendance from representatives of public local Authorities involved in a programme on Renewable Energy Communities development, promoted by the Bank Foundation Cassa di Risparmio di Cuneo and Environment Park.

The two events not only provided the opportunity to present and discuss the outcomes of the "Store4HUC" project and its Italian pilot, but also to interact with many other local and regional initiatives on the same theme, the one of renewable energies. Not only, its integration in local policies, and some insights on the evolution of national legislation on the topics tackled, were provided.

The two events represented also an opportunity to meet other public institutions and create a network among the Piedmont Region, local Authorities and Municipalities, energy providers and other regional subjects that might be involved in future projects on those topics. The aim of the two Italian partners is to continue the cooperation started with the "Store4HUC" project in order to get even more benefits and to improve the efforts done so far in energy efficiency of urban centres.

Croatia:

B:IT.con Bjelovar IT & tech conference, was held on 14.12.2019. in the premises of the Polytechnic of Bjelovar. The aim of the conference was to bring together the IT & tech community, exchange knowledge and experiences and encourage cooperation in various fields of activity within the IT & tech sector.

On the invited lecture on the B:IT.con conference, the partner leader prof. Mario Vašak has presented the concept of energy management in buildings and how it is extended to HUCs within Store4HUC, in front of representatives of Bjelovar University of Applied Sciences, Erste bank, Serengeti ltd, Axess Cro,…

35th International Conference on Electrical Drives and Power Electronics, EDPE, brought opportunity for engineers, specialists in industry and academia to create forum for sharing knowledge and exchange experiences on recent development, applications and future trends in all aspects of power electronic systems, electrical machines, electrical drives and their industrial applications. The conference consisted of plenary sessions with invited papers, oral presentations and poster presentations. The conference was held in Dubrovnik, 22.-24.9.2021.

# 2. Date, place, number and types of participants/target groups

## 2.1. Germany;

### 2.1.1. Climate Alliance International Conference 2019 in Rostock, Germany

The meeting took place at September 27, 2019 in the old university (last year celebrated 600 years) building of Rostock, Germany. The cross-fertilization cooperation partners were Hanse- und Universitätsstadt Rostock and Covenant of Mayors for Climate and Energy. And there were 8 participants from different institutions and different countries in Europe. From Spain there were Urban Ecology Agency of Barcelona-BCNecolohia and Diputacio de Barcelona. From Italy Environmental Partnership Foundation in Czech Republic have been participating. Furthermore, the city of Gent in Belgium.

### 2.1.2. Environmental Fair in Bingen am Rhein

The Fair took place online on the 05.05.2021 from 9 am until 2 pm with the timeslot of Store4HUC starting at 12:15 until 12:45. A peek number of 172 participants were reached via the online event (see screenshot in 5.3). A bigger percentage of the audience were students interested in the topic coming from the universities environmental science faculty. Furthermore, university staff, like professors and researchers were present as

were other institutions and companies presenting in the event or just interested in the presented topics.

#### 2.1.3. Climate Alliance International Conference 2021, Online / Wels (Austria)

Store4HUC took place online on the first day of the conference in Expo event-market place/exhibition in the timeslot of 13:30–15:00 on 08.09.2021. The maximum number of audience in Expo event in all 17 different exposition booths was at the time of making the screenshot around 94. The participants watching, they were mostly representatives of municipalities in Europe, and also some representatives of the private sector working in the field of renewable energy.

### 2.2. Austria;

#### 2.2.1. Event No. 1 (SSPCR 2019)

The 3rd International Conference on Smart and Sustainable Planning for Cities and Regions 2019 (SSPCR 2019) has been held in Bolzano, Italy during December 9-13, 2019, with a theme of "turning visionary approaches into planning policies and tools". SSPCR 2019 aims to answer the question on how can we maximize the impact of academic research, the scaling-up and replicability opportunities of pilot projects, and the added value of local bottom-up initiatives, in relation to complex challenges posed by the smart city/region approach? SSPCR 2019 – a high-level international platform for communication between academics, researchers, professionals and decision-makers – is the right place to present your latest ideas, experiences and findings, and to share your thoughts in a friendly atmosphere.

#### 2.2.2. Event No. 2 (CEBC 2020)

The 6th Central European Biomass Conference, will anew allow users, enterprises, researchers, developers, policymakers and distributors to share their knowledge in the field of bioenergy. The conference is held from the 22nd - 24th of January, 2020 in the Messe Congress Graz, Styria. Connecting more than 1.500 participants from all continents, the CEBC is one of the world's largest events in the industry.

### 2.3. Slovenia;

#### 2.3.1. Event No. 1

Date: 15. September 2020

Place: Prekmurje (Bukovnica) – north-eastern part of Slovenia, a subregion

Number & types of participants: participants were electrical engineers, mechanical engineers, construction designers (coming from the regional Chamber of Crafts and Entrepreneurship from Maribor, from companies related to production of wooden structures, installations of modern energy solutions for residential and commercial

buildings, installations of heating and water systems, then also research and development institutions and the energy agency, namely 20 people attended the event.

### 2.3.2. Event No. 2

Date: 3. June 2021

Place: online Zoom

Number & types of participants: there were max. 50 attendees from research organisations, local authorities, sectoral agencies (mostly from energy agencies), private and national companies, national authorities (ministry) such as: Energy Efficiency Center at the Jožef Stefan Institute, Strategic Development and Innovation Partnerships for Smart Cities and Communities at the Jožef Stefan Institute, Petrol, Menerga, companies recognizable for their products and solutions in the field of control and automation in industry, infrastructure, buildings, energy, Ministry of infrastructure, municipalities.

### 2.3.3 Event No. 3

Date: 2. February 2022

Place: online Zoom

Number & types of participants: there were max. 57 actual participants from research organisations, local authorities, sectoral agencies (mostly from energy agencies), private and national companies dealing with the energy topics.

## 2.4. Italy;

### 2.4.1. Event No. 1

The first cross-fertilization event took place on July 9, 2020, concurrently with the 2nd Deployment Desk meeting organized by Environment Park and the City of Cuneo. The event was held both online and in presence at the meeting room of CRC Foundation of Cuneo.

In the meeting room 16 participants took part to the Deployment Desk, belonging to different stakeholder groups:

- representatives of different departments of the City of Cuneo
- 1 representative of the local Union of Mountain Communities
- 2 representatives of the local public transport company
- 2 representatives of Environment Park
- Professionals
- 1 representative from Polytechnic of Turin.

Around 90 participants took part to the event via online mode.

### 2.4.2. Event No. 2

The second cross-fertilization event took place on April 27, 2021 as an online meeting and concurrently with the 3rd Italian Deployment Desk.

45 people participated to the cross-fertilization and Deployment Desk event, belonging to different target groups:

- 16 representatives of public Administrations and local Authorities
- 6 representatives of universities and research institutes
- 2 representatives of bank foundations
- 1 representative of an energy agency
- 9 representatives of private training companies, public services providers and non-profit organizations.

## 2.5. Croatia;

### 2.5.1. B:IT.con

Bjelovar IT & tech conference, 14.12.2019, Polytechnic of Bjelovar, Croatia.

Target groups: relevant stake holders from IT & tech community

### 2.5.2. EDPE

35th International Conference on Electrical Drives and Power Electronics, 10th Joint Croatia-Slovakia Conference, Dubrovnik, 22.-24. 9. 2021. The plenary (keynote) lecture of Mario Vašak took place on 24 September 2021.

Target groups: research and development community

# 3. Topics tackled and links to deliverables, outputs

## 3.1. Germany

### 3.1.1. Climate Alliance International Conference 2019 in Rostock, Germany

Andrea Dornhofer from the Energy Agency of the City of Weiz provided a short input speaking about the situation and the planned activities of the Store4HUC pilot site in Weiz /Austria. Then a discussion between the city representatives and Mrs Dornhofer started, followed by a discussion between the participants who mostly have a professional background in municipal climate protection or energy management. The main topics tackled were:

As the relevant information is seen, that the possibility of getting a permission for the use of RES or energy storage in monument protected areas or buildings seems to depend on the situation in the monument protection authorities at state level or even on the person in charge.

The lesson learned is, that discussions with municipal climate protection managers or energy managers request on the side of the Store4HUC representative an expert with a detailed knowledge of the technical background.

### 3.1.2. Environmental Fair

To introduce the audience to the project, a general presentation about Store4HUC was given. It put light on the rationale behind the project's objectives, why it is important to improve the energy efficiency in Historic Urban Centres, especially in Europe and what this project is aiming to achieve. Furthermore, emphasis was put on the different pilot actions in the four countries and what differentiates each of them. Furthermore, the Autarky Rate Tool and the Optimal Sizing Calculator were presented and it was explained what target group each tool was designed for and what their capabilities were.

### 3.1.3. Climate Alliance International Conference 2021, Online / Wels (Austria)

It was usually individual discussions with the people who entered the booth, and a general explanation was given about the idea and what the EMS tools 1 and 2 were about, and then the applications and detailed matters were discussed if the person showed sufficient interest. The challenge was explained which is providing a low carbon energy supply in cities in a style of energy storages, especially in historical urban centres it is very difficult to achieve these results, because interventions in this specific area meet strict architectural protection constraints, involve higher implementation costs and often come in conflict with town planning policies. The optimal sizing calculator was introduced and shown to the audience by the designer Filip Rukavina, and the optimal heat source scheduler as well, where the ways to use them and why were fully explained.

## 3.2. Austria

### 3.2.1. Event No. 1 (SSPCR 2019)

The conference gives opportunity to meet research and cooperation partners and discuss future project ideas on smart and sustainable planning of cities and regions in line with the following table.

| Topics | Links to Store4HUC deliverables or outputs |
|---|---|
| Shaping the climate and energy transition: clean energy and robust systems for all | All Store4HUC pilot projects are interrelated to this topic. |
| New value propositions in times of urban innovation ecosystems and sharing economies | Knowledge exchange have taken place with the conference attendants with valuable inputs for the deliverables D.T2.1.2 to D.T2.1.5 |
| Dissolving borders: towards integrated territorial approaches, from smart cities to smart regions | Case studies of other projects support to achieve the following outputs: O.T1.1.1, O.T2.2.1.and O.T3.4.1. |
| Thriving governance and citizenship in a smart world: environments and approaches fostering engagement and collaborative action | Local governance is viable via deployment desks in each of the pilot sites with inputs to the deliverables D.T1.1.1 to D.T1.1.5 |

### 3.2.2. Event No. 2 (CEBC 2020)

“The conference offers a great opportunity for scientists, industry and government representatives to get informed on recent achievements in the biomass sectors, share ideas and form new collaborations.” …is stated by Dr. Calliope Panoutsou from the Imperial College London. The Topic “Supply, storage and distribution of bio heat” connects the conference contributions to the following project activities: The Store4HUC pilot projects of Lendava and Weiz are interrelated to this topic. Knowledge exchanges have been discussed with the conference attendants and are valuable inputs to deliverables D.T2.1.2 to D.T2.1.5 and to achieve the following outputs: O.T1.1.1, O.T2.2.1.and O.T3.4.1.

## 3.3. Slovenia

### 3.3.1. Event No. 1

**First cross-fertilization event was related to the opening business opportunities and exchanging good practices in the field of energy in Prekmurje. The purpose of the event was to get to know the activities of companies and other institutions and networking in order to open new business opportunities among participants. The event was organized outside and it was the side event. The participants were all experts in the energy field therefore some**

**challenging questions have been set especially in connection to the pilot implementation. They had some hesitations regarding the whole idea, and the temperature flow of the geothermal water which could be a bit too low.**

### 3.3.1 Event No. 2

The second event was on a national level. With the participants of the events it was spoken about the future of smart cities and energy communities. One of the presentations was the Autarky rate tool and the four pilot actions very briefly presented just to get the impression what is the topic of the project. The participants found the tool interesting, especially for the households for which the tool would be a great benefit, also in relation to the energy communities and for the self-supply areas.

### 3.3.2 Event No. 3

The event was dedicated to exchanging the experiences and best practises between different partners and external experts. The project relevance is related to the integration of various renewable energy sources (RES) into the grid which is challenging, the project seeks for long-term solution for integration of production and consumption such as RES production technologies and connection of production with heating/cooling in industry and buildings, transport. They claim energy (city) storage, any form of produced energy in urban areas should be stored for achieving larger impact of RES production.

The event has brought some interesting outcomes that raised during the discussion. So, from the technical perspective and requirements it is expected to have better grid stability, energy audit and energy management. From the funding perspective the simplification of the bureaucratic procedure should take place, regional advice and technical help.

## 3.4 Italy

### 3.4.1 Event No.1

The main topic of the first cross-fertilization event was related to the progress of the pilot project in Cuneo and the opportunities offered by storage systems in the context of energy transition implementation and Renewable Energy Communities establishment.

Starting from a short presentation of Cuneo pilot project, the audience had the chance to express its opinion on some of the most interesting topics concerning the pilot, such as the opportunities offered by the installation of storage systems for energy transition and as driver to boost energy communities. The main regulatory and technical constraints for the spreading of energy communities were discussed, too.

Therefore, the event results will be useful in reaching the output “O.T2.2- Transnational strategy for the implementation and capitalisation of energy storages in HUCs” and in defining the content of deliverables D.T2.3.3 and D.T2.3.4.

In general, the main results coming from the event were the following:

an agreement of all participants on the importance of creating synergies among all actors involved in energy efficiency, in the case of the “Store4HUC” and “SHREC” projects between single pilot actions and their possible replicability and the actors directly

involved in the setting up of Renewable Energy Communities. This would bring to the optimisation of both invested resources and offered services;

to highlight the importance of communication and networking on informing the citizens on renewable energies projects and initiatives, so that the benefits are clear to the population, too;

an acknowledgment, at that time, of the lack of a clear national legal framework for the smooth and effective establishment of Renewable Energy Communities.

What emerged was thus a need for a better regulation on the tackled topics and for cooperation among the different actors involved, which was already improved through the cross-fertilization event itself.

### 3.4.2 Event No. 2

The second cross-fertilization event was the chance to further discuss the opportunities in Piedmont region for the establishment of Renewable Energy Communities and the contribution European project such as “Store4HUC” could give to it. Because many participants did not attend previous project events, the City of Cuneo and Environment Park presented the pilot project and the tools developed by “Store4HUC” partnership. In this first session of the event, also the two other European project (“SHREC” and “Renewable Energy”) presented their objectives and results already achieved, focussing more on the establishment of Reneweable Energy Communities.

The second session of the meeting was a discussion in which the participants could both talk about their direct experience on those topics and possible constraints and opportunities faced, and discuss future implementation of the ecological transition at the regional level.

It was very important to both get the direct experiences of local authorities in developing energy communities and “green” project on their territories and to receive from the European projects coordinators useful hints and information on the national legislation progress, on tools specifically developed for municipalities interested in developing a transition process and on pilot experiences possibly replicable.

Therefore, the second event as well will be useful in reaching the output “O.T2.2-Transnational strategy for the implementation and capitalisation of energy storages in HUCs” and in defining the content of deliverables D.T2.3.3 and D.T2.3.4.

## 3.5 Croatia

### 3.5.1 B:IT.con

The purpose of the participation of the partner leader at the B:IT.con was to present the concept of energy management in buildings and how it is extended to HUCs within Store4HUC to relevant stake holders from IT & tech community under the TECH.track part of the event.

### 3.5.2 EDPE

The purpose of the participation of the partner leader at the EDPE conference was to present the developments performed in predictive control and optimizations for sizing, operation scheduling and real-time control of individual systems whose energy exchange

with the connected grids can be flexibly formed and how it is implemented in Bračak manor, Croatian pilot building of project Store4HUC to research and development community.

We selected two events with different target groups, one from IT & tech community and the other from research community to disseminate the Store4HUC project and its information, results and knowledge to as many stakeholders as possible.

The participants were very interested in the results of the project, especially in tools presented and they asked some very interesting questions about its application

# 4 Expected effects and follow up

## 4.3 Germany

### 4.3.1 Climate Alliance International Conference 2019 in Rostock, Germany

This cross-fertilization event was embedded in the 2019 International Conference of Climate Alliance. During this event a number of workshops were offered, one of them dealing with "Citizen and Community Participation for Climate Change Adaptation". Understanding how best to engage the public in climate change adaption is a key challenge for many local authorities. True engagement goes beyond mere awareness rising, it entails consulting citizens via participatory processes while also promoting and cooperating with citizen initiatives. Participants of this workshop learned about creative methods and tools to reach these goals and discussed how best to engage hard-to-reach target groups.

Based on the above-mentioned workshops Guided Thematic Tours were arranged. In these interactive sessions, the opportunity for direct exchange on a particular topic in two parts was offered. Each session took participants to two locations where specific questions on one part of the main topic at hand were discussed. Experienced "tour guides" introduced the theme and accompanied participants during the trip. The Store4HUC tour was presided by Miguel Morcillo (Climate Alliance) discussing "Bottom-up Strategies – From Buildings to Energy Communities". More than 40% of all primary energy consumption in the EU can be attributed to buildings. Increased building energy performance is thus crucial, as is sustainable energy production. Store4HUC was an inspiring example of bottom-up climate action where engaged citizens (deployment desks) are establishing energy communities and regaining control over their energy. This was made clear to municipal representatives.

In this Store4HUC event the participants had the opportunity to get to know concrete experiences, projects or methods from other municipalities and to actively exchange their experiences and perspectives with each other.

Follow up for English speaking participants:

The Store4HUC event was hosted by Climate Alliance (CA). Store4HUC had no own registration form for the kick-off event and therefore no own collection of participants contacts details. Due to the European Union new data protection rules CA will not pass the conference participants contact details to the Store4HUC project and a follow up is not possible.

### 4.3.2 Environmental Fair

The audience was first and foremost informed that there is a project like Store4HUC, aiming to improve energy efficiency in Historic Urban sites by introducing storage solutions to these areas. Monument's protection is a big issue in the future working field of many students studying, amongst others, climate change mitigation and adaptation and environmental engineering at the University of Applied Science. Therefore, the students can go back to the findings of the project to learn from our findings and use them as a basis for their decisions. The Tools present a viable helping

tool for many in the audience, like engineering companies or students who are studying facility management for their individual projects. Professors and researchers could also get interested in the project and could follow the projects progress.

The discussion was about the reasoning behind the necessity of the project. Why is it important to improve the energy efficiency of historic city centres and if there are even that many in Europe? Some audience members were not aware of the often very bad energetic situation many older houses are in and how difficult it is to improve monumental protected buildings. This showed the importance of raising awareness in this topic.

### 4.3.3 Climate Alliance International Conference 2021, Online / Wels (Austria)

The project was one of the 17 projects presented upon entering Expo event, where the participant can choose the project, he/she wants, and then team members such as Wolfgang Hofstetter and Filip Rukavina in Store4HUC team exchanged information with the audience and then began to explain and clarify what is essential about the project.

The project was interesting for many of the participants because they used to face the problem of installing renewable energy systems in old buildings and monuments, especially with regard to storage, because of the paperwork they face from the preservation of historical buildings to complete any project. And the ways to use EMS tools were explained and disseminated to the stakeholders, deployment desk members and the general public.

The event was held in English language. The follow up will be providing additional information to the interested stakeholders in national language and sending them download links. In case they are going to use the tools in their municipalities we are trying to get signatures related to Deliverable D.T3.3.4.

## 4.4 Austria

Networking opportunities allow project partners to learn from stakeholders and colleagues outside of the consortium, discuss common issues and get feedback on their work. These kinds of interactions also provide a great opportunity to carry out effective dissemination of the project outside the consortium. In particular at Event 1: participants with Smart City background were keen to understand details about the sizes of the pilots and related financing. At Event 2: the focus of the bio-energy queries has been on the improvement of the overall system performances of the 2 pilots in Lendava and Weiz considered up to a certain extend in the given *.ppt presentation. Based on the Draft reports of WPT1 and WPT2 questions from the two events could be at least partly replied. Open questions have been and will answered bilaterally via Email as business cards have been exchanged during the two Events.

## 4.5 Slovenia

The main goals of the events were to disseminate the Store4HUC project and its information, results and knowledge to the target groups which are especially municipalities, other public institutions and the experts. Therefore, we selected a few already existing events that has the

popularity, huge visit itself and the good expert audience and decided to join the event. The audience was similar on both events; The events had the impact on the participants. In the frame of the open-door event the aim of dissemination was simple information provision, to spread the information to as much people as possible. The event that has been organized as an online session the audience was more professional thus the programme referred more to methodology and tool.

## 4.6 Italy

Both events set the basis for a future collaboration on a regional effort for the ecological transition of Piedmont region and highlighted both constraints and opportunities provided by experiences made on a local scale. The events were thus a learning platform for those already involved in such themes but also for those potentially interested in taking part to the ecological transition. Hearing direct experiences, comparing them, listening to pilot cases and getting informed on the legal framework evolution allowed the participants to better understand the environment in which they operate.

For "Store4HUC" project partners, the opportunity given was indeed the chance to promote the project results and to reach a bigger audience, but the cross-fertilization events set also the basis for future collaborations that might arise and that could represent a chance to capitalize the results of the project itself. If the pilot project in Cuneo represents a case study useful for others interesting in developing such a model in their territories, the other European projects gave useful insights on what could be done to make the pilot projects more effective and avoid them to be become stand-alone initiatives.

Both the participation to the event and the feedbacks received were good, and this is itself another result of a cross-fertilization work done among different projects and initiatives. Not only the feedback was good, but also the active participation was high within both events: discussion sessions and worktables were alive and demonstrated the interest of attendants.

No follow up activities have been planned, but the participants to both events will be invited to future workshops or updating activities that will be organized with the "Store4HUC" project, such as the last Italian Deployment Desk meeting and the second Webinar D.C.6.6. Contacts of the two Italian partners have been provided to all participants and made available for further information on the pilot project in Cuneo, on the tools and on potential capitalization activities that would come up in the future.

## 4.7 Croatia

### 4.7.1 B:IT.con

B: IT.con Conference gathered 14 lectureres from companies and institutions like Polytechnic of Bjelovar, City of Bjelovar, Technology Park Bjelovar, Faculty of Electrical Engineering, Mechanical Engineering and Naval Architecture in Split, Google, Schneider Electric, FER, Krško Nuclear Power Plant, Oracle, Infinum, Serengeti, Erste and Altus. It allowed us interaction with the stakeholders and colleagues outside of the consortium and discussion about common issues and gave us an opportunity to disseminate the project.

### 4.7.2 EDPE

The EDPE conference brought together researchers from different universities to create forum for sharing knowledge and exchange experiences on recent development, applications and future trends in all aspects of power electronic systems, electrical machines, electrical drives and their industrial applications. It allowed us to present optimal parameterization of the PV+BESS applied to Bračak manor in Croatia and to present the Optimal sizing calculator to researchers from Graz University of Technology, University of Innsbruck - Institute of Mechatronics, University of Zilina, Norwegian university of science and technology, Riga Technical University, Faculty of Electrical Engineering, Mechanical Engineering and Naval Architecture in Split, Technical university of Liberec, Technical University of Kosice, Technical University of Cluj-Napoca, Silesian University of Technology, University of Siegen.

# 5 Annexes

## 5.3 Invitation and Agenda

### 5.3.1 Germany

#### 5.3.1.1 Climate Alliance International Conference 2019 in Rostock, Germany

**FRIDAY** **27 SEPTEMBER 2019**

Location — University of Rostock, unless otherwise noted

**08:00** REGISTRATION

**09:00** (EN DE ES) WAKE-UP CALL AND REVIEW
Plenary Room

**09:30** PARALLEL WORKSHOPS

(EN DE) 1. Joint Efforts on the Local Mobility Transition
(EN DE ES) 2. Collaborative Action for Climate Justice
(EN DE) 3. Rethinking Districts - From Buildings to Energy to Transport
(EN DE) 4. Citizen and Community Participation for Climate Change Adaptation

**11:00** GRAB A COFFEE
Catering Area

**11:30** GUIDED THEMATIC TOURS

(EN DE) 1. Towards a Local Mobility Transition
(EN DE ES) 2. Partnering up for Climate Justice
(EN) 3. Bottom-up Strategies - From Buildings to Energy Communities

**12:30** (EN DE ES) CLOSING: LESSONS LEARNED AND FUTURE PERSPECTIVES
Plenary Room

The programme of CAIC2019, 27.09.2019.

#### 5.3.1.2 Environmental Fair

Umweltmesse 2021 Stand: 20/04/2021 06:34

05.05.2021

| Slot | Uhrzeit | Name der Firma | Anmerkung |
|---|---|---|---|
| 0 | 09:00 - 09:10 | Begrüßung | Studentische Leitung M. Rademacher |
| 1 | 09:15 - 09:45 | Struktur- und Genehmigungsdirektion Süd | Präsident Prof. Dr. Hannes Kopf |
| 2 | 10:50 - 11:20, anschließend 20 min Pause | proTerra | Kathrin Beck |
| 3 | 11:40 - 12:10 | UmweltBank AG | Tina Rieß, Lisa Scholz |
| 4 | 12:15 - 12:45 | Klima-Bündnis | Projektmanager Axel Veitengruber |
| 5 | 12:50 - 13:20, anschließend 10 min Pause | Landkreis Limburg-Weilburg | Verena Nijssen, Sara Zabel |
| 6 | 13:30 - 14:00 | RIGK GmbH | Herr Neck |

UMWELT MESSE

The programme of the environmental fair of the University of Applied Science of Bingen am Rhein, 05.05.2021.

#### 5.3.1.3 Climate Alliance International Conference 2021, Online / Wels (Austria)

| | In Wels | Online |
|---|---|---|
| 09:00 - 11:00 | | Climate Alliance Working Group Workshops Adaptation, Financing, $CO_2$ Monitoring (EN; in parallel) |
| 13:30 - 15:00 | | *Online networking & exhibition* |
| 15:30 - 17:30 | | General Assembly (EN \| DE \| ES) |
| from 17:30 | City tour & dinner (EN \| DE) | |

The first day programme of CAIC2021, Wednesday, 8 September

### 5.3.2 Austria

#### 5.3.2.1 Event No. 1 (SSPCR 2019)

The invitation has been provided via Email from the host EURAC, a research organisation in Bolzano. Corresponding Email is given hereafter:

**Gesendet:** Freitag, 06. September 2019 um 19:40 Uhr
**Von:** "SSPCR 2019 - Eurac Research" <sspcr.2019@eurac.edu>
**An:** "mheidenreich@gmx.at" <mheidenreich@gmx.at>
**Betreff:** SSPCR 2019 Abstract

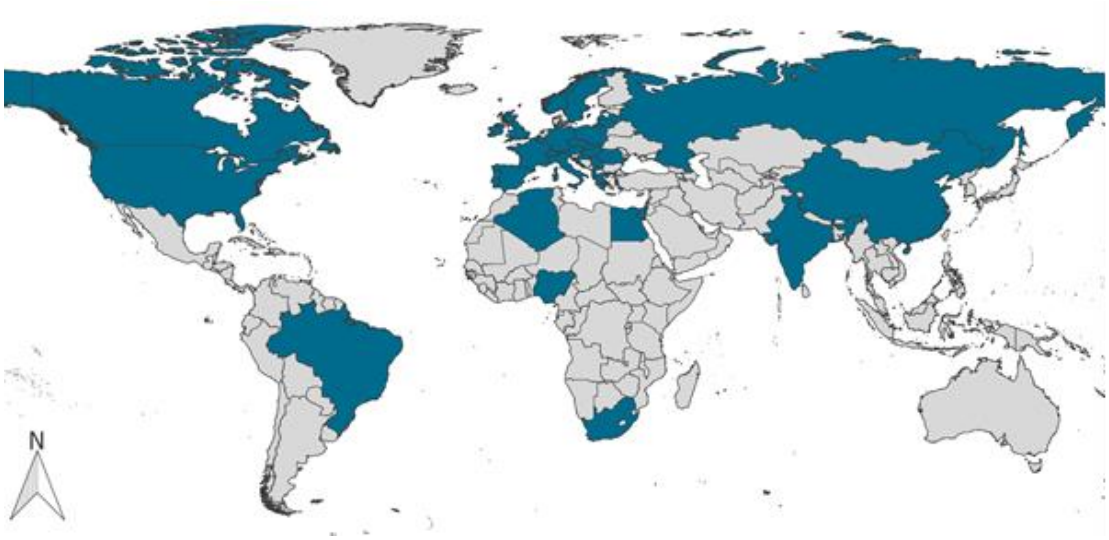
**POSTER PRESENTATION ACCEPTANCE – SSPCR 2019**

Dear Author Heidenreich, Michael,

The overall quality and number of submissions answering the SSPCR 2019 call have exceeded our expectations: around 200 abstracts from 35 different countries, this is a very good premise for an exciting event! The Scientific Committee joins me in thanking you for your contribution.

After the proposals' evaluation process, your abstract titled Innovative technical solutions within EU-GUGLE and Store4HUC, pilot projects for historical centres has been accepted for POSTER PRESENTATION instead of ORAL PRESENTATION at the 3rd International Conference on Smart and Sustainable Planning for Cities and Regions 2019.

However, if you wish to show your poster at the SSPCR 2019 conference **you are highly welcome.**




## 1. YOUR REGISTRATION

All people listed on the conference program that wish to attend the conference need to register and pay in full before attending the conference. Co-authors also wishing to attend or to present must register separately.

If you wish to show your poster at the SSPCR 2019 conference, **take the advantage of the early bird registration fee and register** now by choosing the Poster author pass.

## 2. IMPROVE YOUR ABSTRACT / DESIGN YOUR POSTER

Please make sure your poster conforms to the template which is available on the website.

Don't forget to insert your abstract code in the orange circle to participate in "The Best Poster/Presentation" contest!

Printing service is included in your fee, just upload your poster on the submission management system (link).

If you wish to improve your abstract or if you need to modify author names or affiliations, please remember that the deadline for **uploading both the final abstract and poster is on October 30, 2019**.

For any further assistance/clarification, do not hesitate to contact us again.

We are very much looking forward to your participation in the SSPCR 2019.

Best regards

SSPCR 2019 Scientific Committee

The Agenda can be visited under http://www.sspcr.eurac.edu/agenda .

#### 5.3.2.2 Event No. 2 (CEBC 2020)

The invitation has been provided via Email from the host the "Österreichischer Biomasse-Verband"
https://www.cebc.at/oesterreichischer_biomasseverband/6_mitteleuropaeische_biomassekonferenz_cebc_2020/programm.html. Corresponding invitation letter in German is given hereafter:

Vortrag auf der 6. Mitteleuropäischen Biomassekonferenz

Wien, 18.09.2019

Sehr geehrte Frau Dornhofer!

Im Namen des Österreichischen Biomasse-Verbandes danken wir Ihnen herzlich für die Einreichung Ihres Abstracts und freuen uns, Ihnen mitteilen zu dürfen, dass Ihr Abstract für einen mündlichen Vortrag nominiert wurde. Das wissenschaftliche Komitee ruft Sie dazu auf, Ihre wissenschaftlichen Erkenntnisse auf der 6. Mitteleuropäischen Biomassekonferenz CEBC 2020 (22.-24. Jänner 2020) einem internationalen Fachpublikum zu präsentieren. Ihr Vortrag wurde folgendermaßen zugeordnet:

**Session**: Wärmebereitstellung und Wärmespeicherung
**Englischer Titel**: _____
(Deutscher Titel): _____
**Datum**: Freitag, 24. Jänner 2019
**Zeit**: 15:30-17:00
(Bitte berücksichtigen Sie, dass der Titel auf 150 Zeichen (inkl. Leerstellen) beschränkt ist.)

Pro Session dürfen 4 Wissenschaftler/innen unter Anleitung eines renommierten Chairman Vorträge in der Länge von 15 Minuten halten – im Anschluss bleiben 30 Minuten übrig, um diese fachlich zu diskutieren. Die Vortragssprache ist Englisch – sollten Sie Ihren Vortrag unbedingt auf Deutsch abhalten wollen, vermerken Sie dies bitte oben. Ihre Anwesenheit ist während der gesamten Session (90 Minuten) erforderlich.

Damit wir Ihre Erkenntnisse in den Tagungsunterlagen der 6. CEBC präsentieren können, bitte ich Sie um die Zusendung Ihres Abstracts in der gewünschten Form (maximal eine A4-Seite, keine Grafiken). Auf Anfrage kann Ihnen auch gerne die Evaluierung des Komitees zugesandt werden. In weiterer Folge lassen Sie uns bitte auch Ihre Power-Point Präsentation zukommen (.ppt oder pptx Format, nicht mehr als 20 Folien < 6 MB). Die Unterlagen sollten uns bis 30.Oktober 2019 unter gabauer@biomasseverband.at erreichen.

Bitte beachten Sie, dass für den Zeitraum der Konferenz in Graz nur ein begrenztes Zimmerangebot zur Verfügung steht – Sie dürfen sich diesbezüglich jederzeit gerne bei uns melden bzw. unsere Partner auf www.cebc.at finden.

Das finale Programm der CEBC wird mit 22. Oktober 2019 veröffentlicht – mit diesem Datum startet auch die Registrierung. Als Anerkennung für Ihre wissenschaftlichen Leistungen möchten wir Ihnen gerne eine 50%-ige Ermäßigung auf die von Ihnen ausgewählten Programmpunkte anbieten.

Für Rückfragen stehen wir Ihnen jederzeit gerne zur Verfügung. Wir freuen uns auf Ihre Rückmeldung zur

Teilnahme bis 25.09.2019.

Hochachtungsvoll,

Dipl.-Ing. Christoph Pfemeter, CEO
Austrian Biomass Association
Franz Josefs-Kai 13, 1010 Vienna
Tel.: +43/1/533 07 97-00

Email: office@biomasseverband.a

### 5.3.3 Slovenia

#### 5.3.3.1 Event No. 1

**»Odpiranje poslovnih priložnosti in Izmenjava dobrih praks na področju energetike v Prekmurje«**

15.9.2020 8.00 - 18.00Prekmurje

ODPIRANJE POSLOVNIH PRILOŽNOSTI IN IZMENJAVA DOBRIH PRAKS

V sklopu letnega akcijskega načrta projekta »SPOT regije 2018-2022«,

vas SPOT svetovanje Podravje, **vabi na:**

**»Odpiranje poslovnih priložnosti in Izmenjavo dobrih praks**

**na področju energetike v Prekmurje«**

**v torek, 15. septembra 2020| 8:00-18:30**

Namen dogodka je spoznati delovanja podjetij in ostalih institucij ter mreženje z namenom odpiranja novih poslovnih priložnosti med udeleženci.

**Program dogodka:**

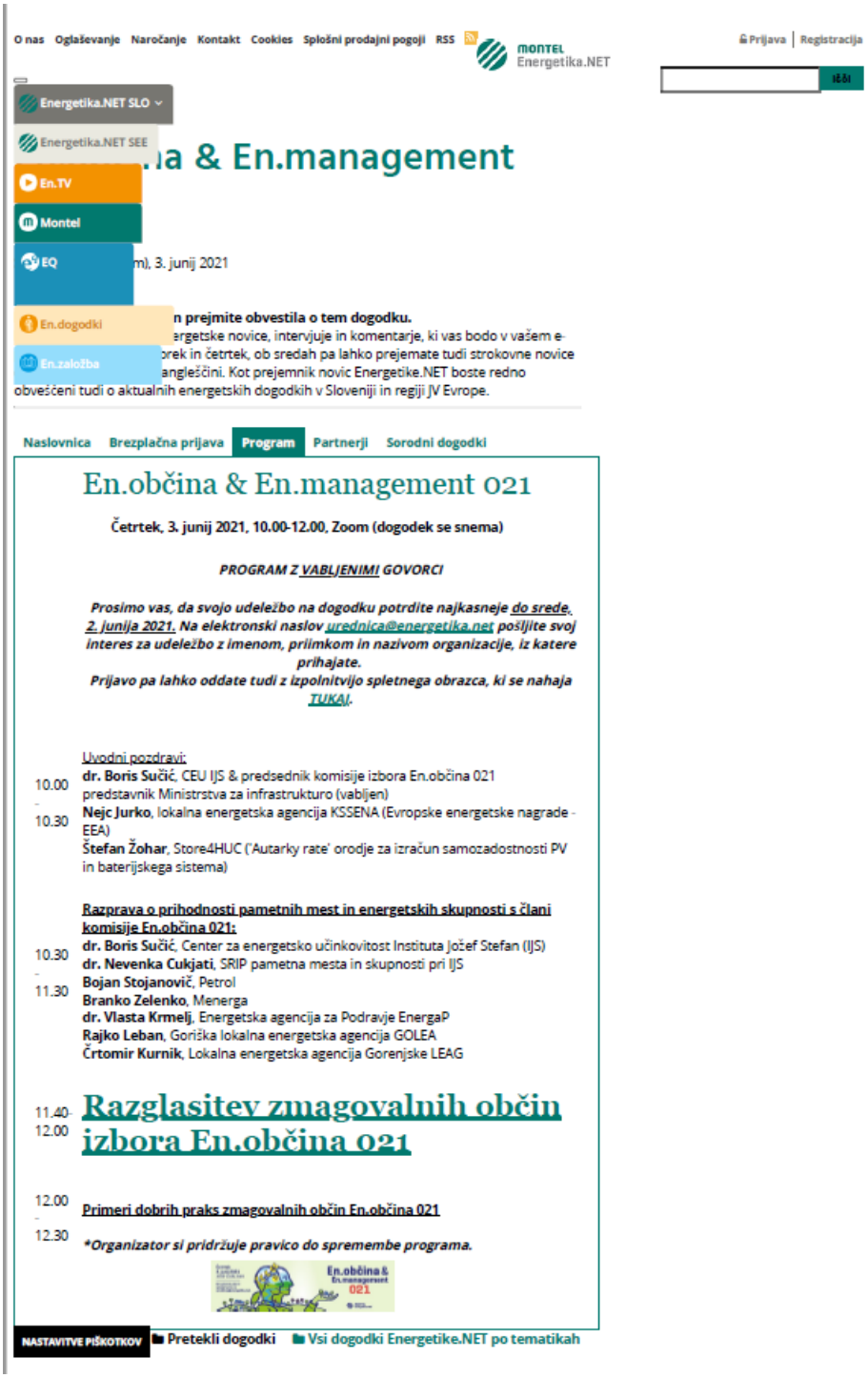
- **8.00:** odhod avtobusa izpred OOZ Maribor
- **9.00: Ocean Orchids**, predstavitev podjetja z ogledom dobrih praks
- **11:30:** Bukovniško jezero

  **Zavoda za turizem Dobrovnik**, predstavitev dobrih praks

  **LEA Pomurje,** predstavitev 3D modela geotermalnega bazena, projekta GreenLine in Store4HUC

- **12:30:** mreženje z **B2B sestanki**
- **14.45: Paradajz d.o.o. – Lušt**, predstavitev podjetja z ogledom dobrih praks
- **16.00:** kosilo
- **17.30:** zaključek dogodka, izmenjava mnenj in odhod proti Mariboru

### 5.3.3.2 Event No. 2



O nas Oglaševanje Naročanje Kontakt Cookies Splošni prodajni pogoji RSS MONTEL Energetika.NET

Prijava | Registracija

Energetika.NET SLO
Energetika.NET SEE
En.TV
Montel
EQ
En.dogodki
En.založba

...a & En.management

...ml), 3. junij 2021

**...n prejmite obvestila o tem dogodku.**
...ergetske novice, intervjuje in komentarje, ki vas bodo v vašem e-...brek in četrtek, ob sredah pa lahko prejemate tudi strokovne novice ...angleščini. Kot prejemnik novic Energetike.NET boste redno obveščeni tudi o aktualnih energetskih dogodkih v Sloveniji in regiji JV Evrope.

Naslovnica Brezplačna prijava **Program** Partnerji Sorodni dogodki

## En.občina & En.management 021

**Četrtek, 3. junij 2021, 10.00-12.00, Zoom (dogodek se snema)**

***PROGRAM Z VABLJENIMI GOVORCI***

***Prosimo vas, da svojo udeležbo na dogodku potrdite najkasneje do srede, 2. junija 2021. Na elektronski naslov urednica@energetika.net pošljite svoj interes za udeležbo z imenom, priimkom in nazivom organizacije, iz katere prihajate.***
***Prijavo pa lahko oddate tudi z izpolnitvijo spletnega obrazca, ki se nahaja TUKAJ.***

Uvodni pozdravi:
10.00 - 10.30 **dr. Boris Sučić**, CEU IJS & predsednik komisije izbora En.občina 021
predstavnik Ministrstva za infrastrukturo (vabljen)
**Nejc Jurko**, lokalna energetska agencija KSSENA (Evropske energetske nagrade - EEA)
**Štefan Žohar**, Store4HUC ('Autarky rate' orodje za izračun samozadostnosti PV in baterijskega sistema)

**Razprava o prihodnosti pametnih mest in energetskih skupnosti s člani komisije En.občina 021:**
10.30 - 11.30 **dr. Boris Sučić**, Center za energetsko učinkovitost Instituta Jožef Stefan (IJS)
**dr. Nevenka Cukjati**, SRIP pametna mesta in skupnosti pri IJS
**Bojan Stojanovič**, Petrol
**Branko Zelenko**, Menerga
**dr. Vlasta Krmelj**, Energetska agencija za Podravje EnergaP
**Rajko Leban**, Goriška lokalna energetska agencija GOLEA
**Črtomir Kurnik**, Lokalna energetska agencija Gorenjske LEAG

11.40 - 12.00 **Razglasitev zmagovalnih občin izbora En.občina 021**

12.00 - 12.30 **Primeri dobrih praks zmagovalnih občin En.občina 021**

***Organizator si pridržuje pravico do spremembe programa.**

NASTAVITVE PIŠKOTKOV Pretekli dogodki Vsi dogodki Energetike.NET po tematikah

#### 5.3.3.3 Event No. 3

Interreg
EUROPEAN UNION
Danube Transnational Programme
CSSC LAB

# Mid-Term Conference

## Agenda

**Online event**

**Wednesday, 2nd February 2022**
**9 to 16 CET**

### 5.3.4 Italy

#### 5.3.4.1 Event No. 1


#### 5.3.4.2 Event No. 2

### 5.3.5 Croatia

#### 5.3.5.1 B:IT.con

08:30 - 09:30

Registracija sudionika

09:30 - 09:45

Službeno otvorenje konferencije

09:45 - 10:45

Otkriće i mjerenje Higgsovog bozona

Ivica Puljak

10:45 - 11:00

Pauza za kavu

11:00 - 12:00

Nove tehnologije i trendovi u industriji

Berislav Korpar i Tomislav Ščrbak

12:00 - 13:00

Pametna zgrada - pametna mreža - pametni grad

Mario Vašak

13:00 - 14:00

Pauza za ručak

14:00 - 15:00

Digitalni tragovi koje ostavljamo iza sebe

Marko Rakar

15:00 - 15:15

Pauza za kavu

15:15 - 16:15

IRON BULL: Od ideje do startupa godine

Mario Jukić

16:15 - 17:15

Može li nuklearna energija spasiti planet?

Hrvoje Grganić i Paulina Dučkić

17:15 - 17:30

Zatvaranje konferencije

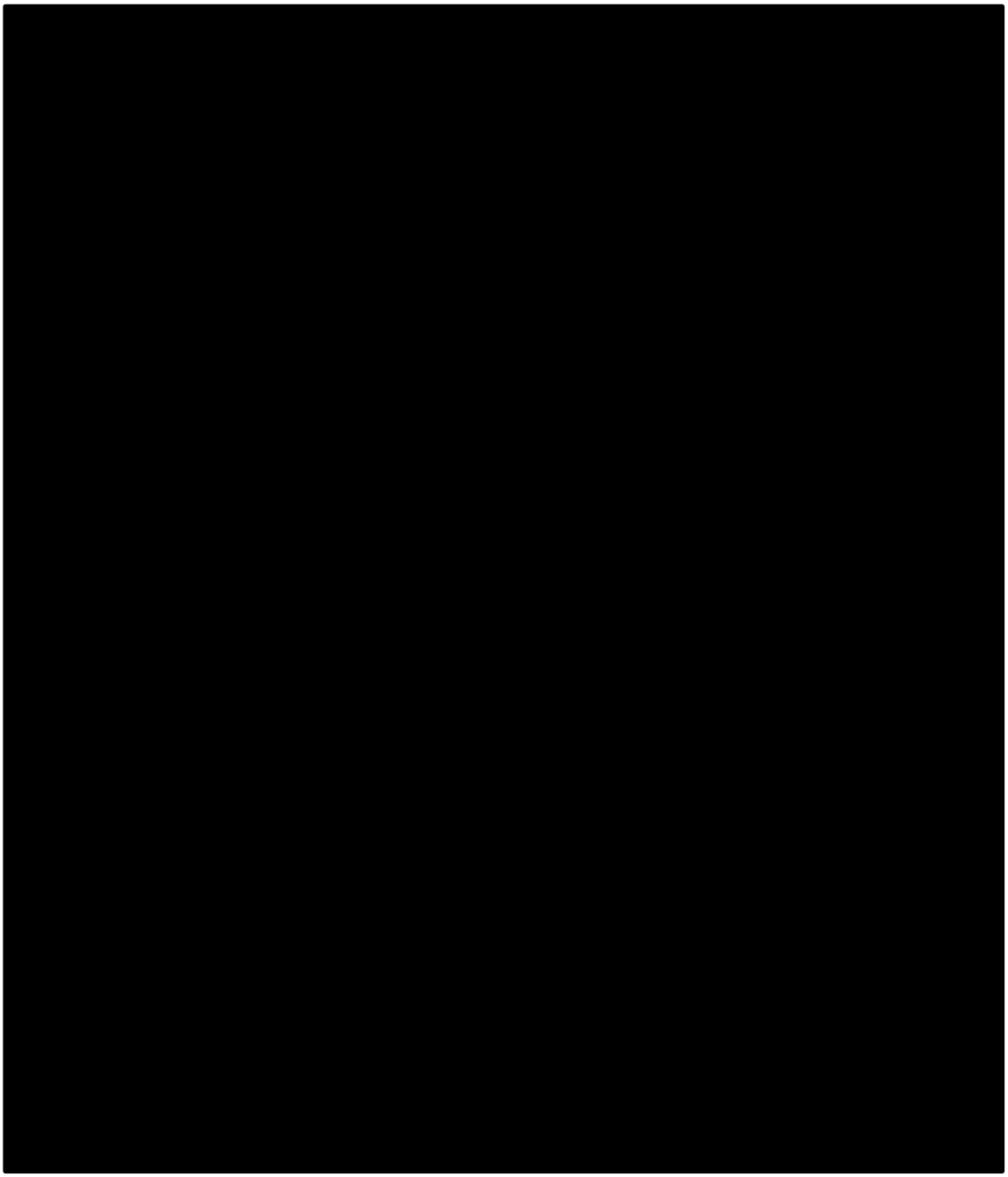
#### 5.3.5.2 EDPE

EDPE2021_program_last.pdf

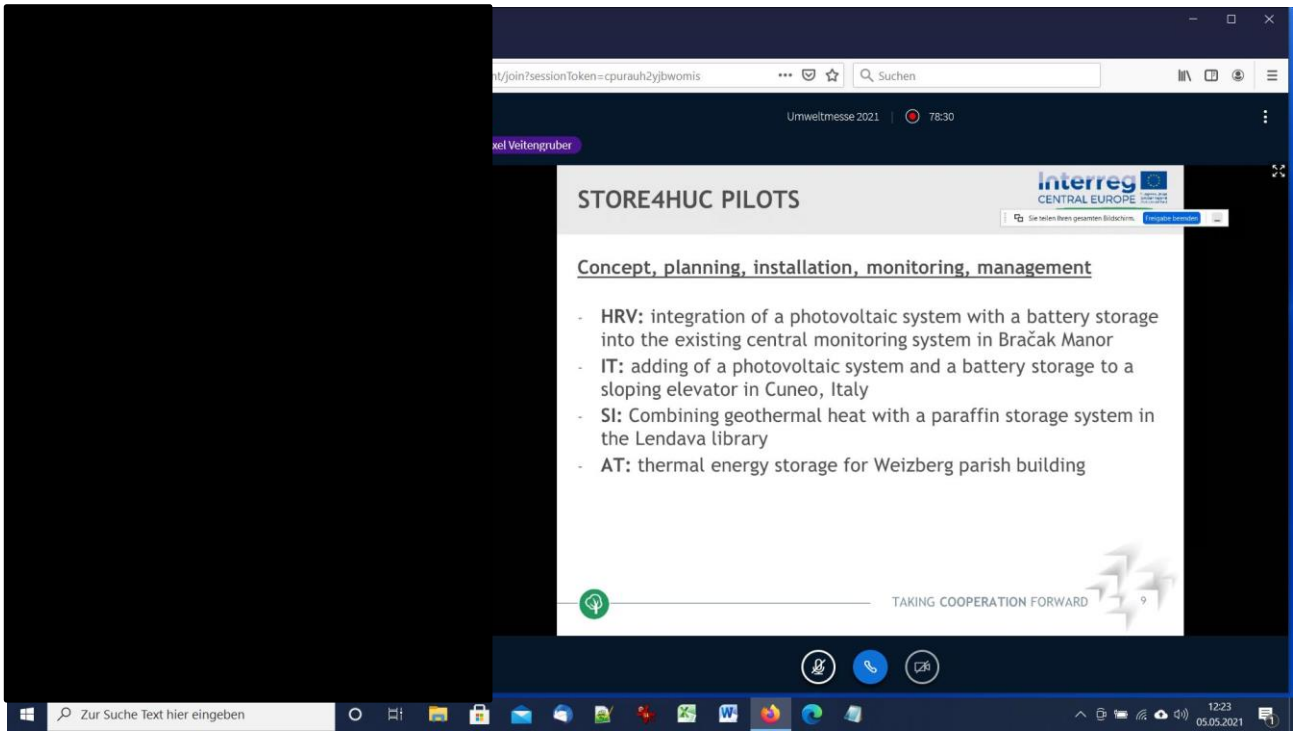
## 5.4 List of participants

### 5.4.1 Germany

#### 5.4.1.1 Climate Alliance International Conference 2019 in Rostock, German



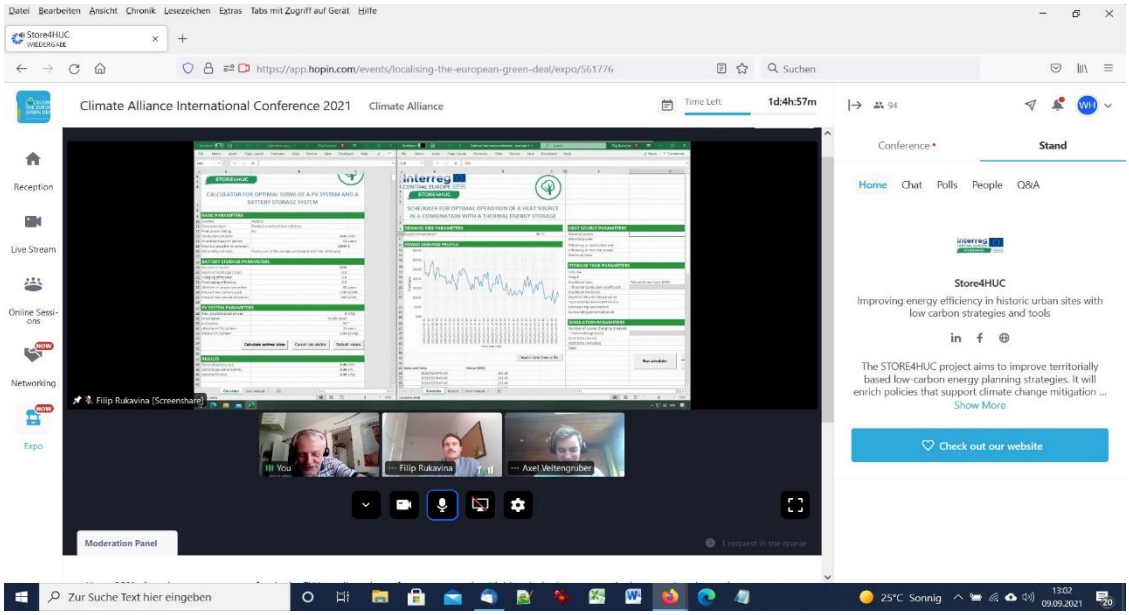
#### 5.4.1.2 Environmental Fair




The number of participants was at 171, seen on the left hand side of the screenshot

#### 5.4.1.3 Climate Alliance International Conference 2021, Online / Wels (Austria)

There is no list of participants. This event was in the form of an exposition booth where people drop in and leave as they want, some just watching without saying anything, others for an up to 1,5 hours face to face in person EMS tool training.




The number of participants in Expo event was at 94 and in Store4HUC booth was at 4, seen on the right hand side of the screenshot

### 5.4.2 Austria

#### 5.4.2.1 Event No. 1 (SSPCR 2019)

The 3rd edition of the International Conference on Smart and Sustainable Planning for Cities and Regions - SSPCR 2019 - friendly named "Winter Edition"- has attracted more than 200 participants from 39 countries located all around the world. Due to GDPR reasons the host is not able to provide the list of participants, but refers to the scientific committee: https://www.sspcr.eurac.edu/committees/ and to the booklet with the abstracts and names of the contributing attendees (see above).

#### 5.4.2.2 Event No. 2 (CEBC 2020)

The 6th version of the Central European Biomass Conference has attracted more than 1.500 participants from all continents, the CEBC is one of the world's largest events in the industry. Due to GDPR reasons the host is not able to provide the list of participants similar to the Event No. 1 but provides the conference booklet (see above).

### 5.4.3 Slovenia

#### 5.4.3.1 Event No. 1

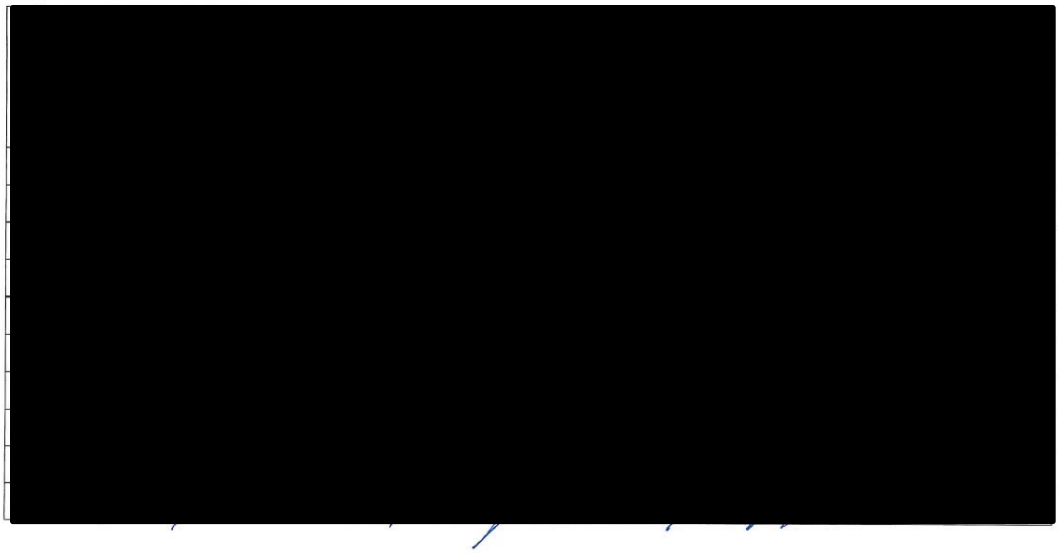
GREEN LINE

SI-HU Interreg SLOVENIJA - MADŽARSKA Evropska unija Evropski sklad za regionalni razvoj

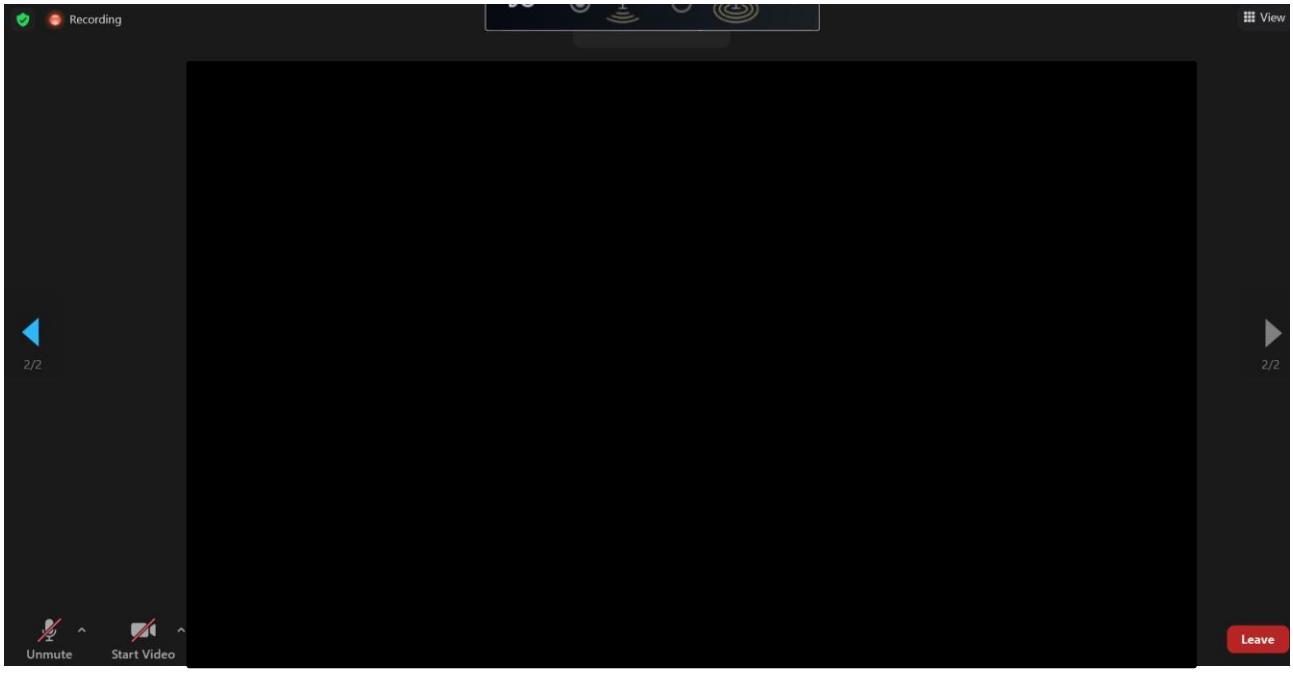
**Seznam udeležencev: Predstavitev projekta Green Line in 3D modela geotermalne energije**
Bukovnica (SI), 15.09.2020

**Informacije o uporabi, posredovanju vaših osebnih podatkov tretjim osebam in varovanju najdete na koncu tega dokumenta!**

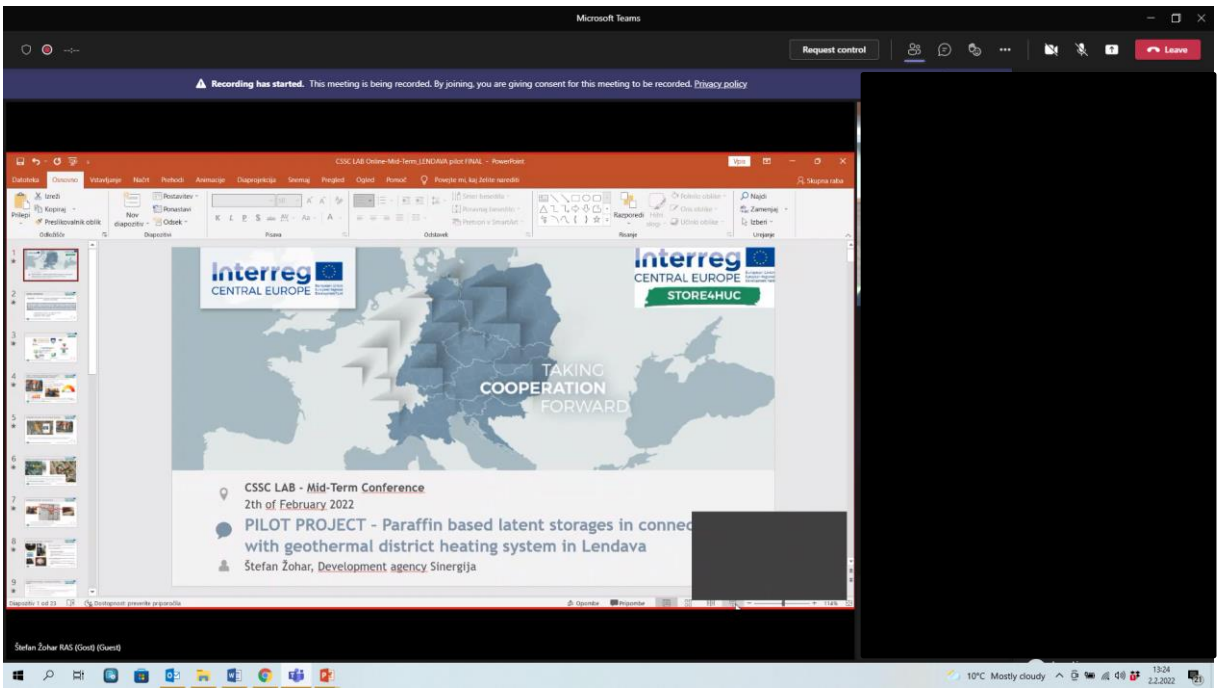
[redacted]



#### 5.4.3.2 Event No. 2

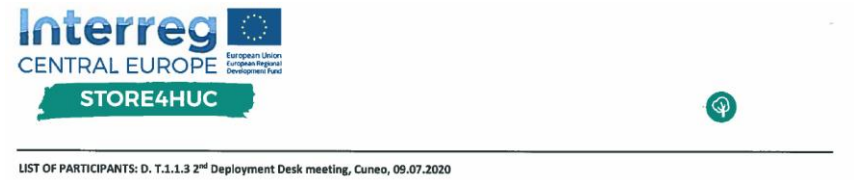


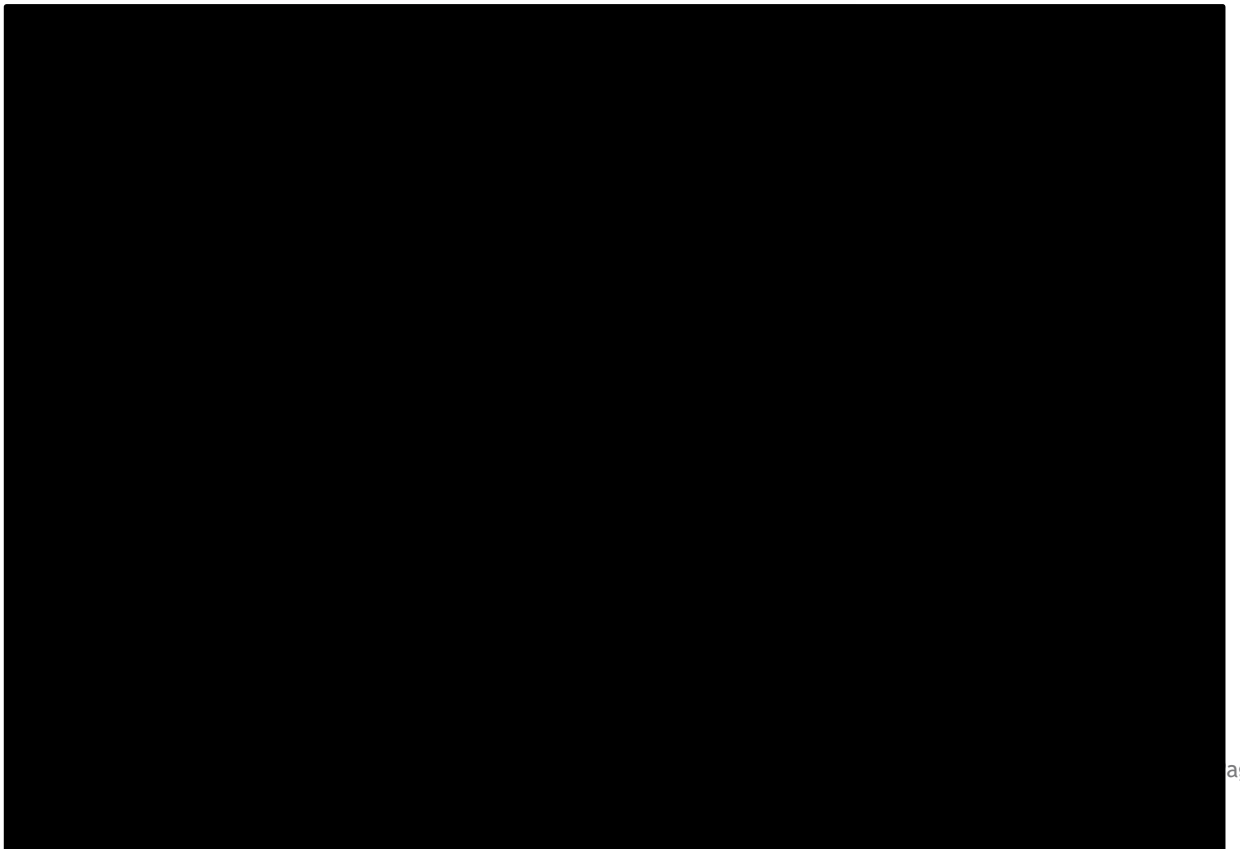
#### 5.4.3.3 Event No. 3




### 5.4.4 Italy

#### 5.4.4.1 Event No. 1



#### 5.4.4.2 Event No. 2

### 5.4.5 Croatia

N/A

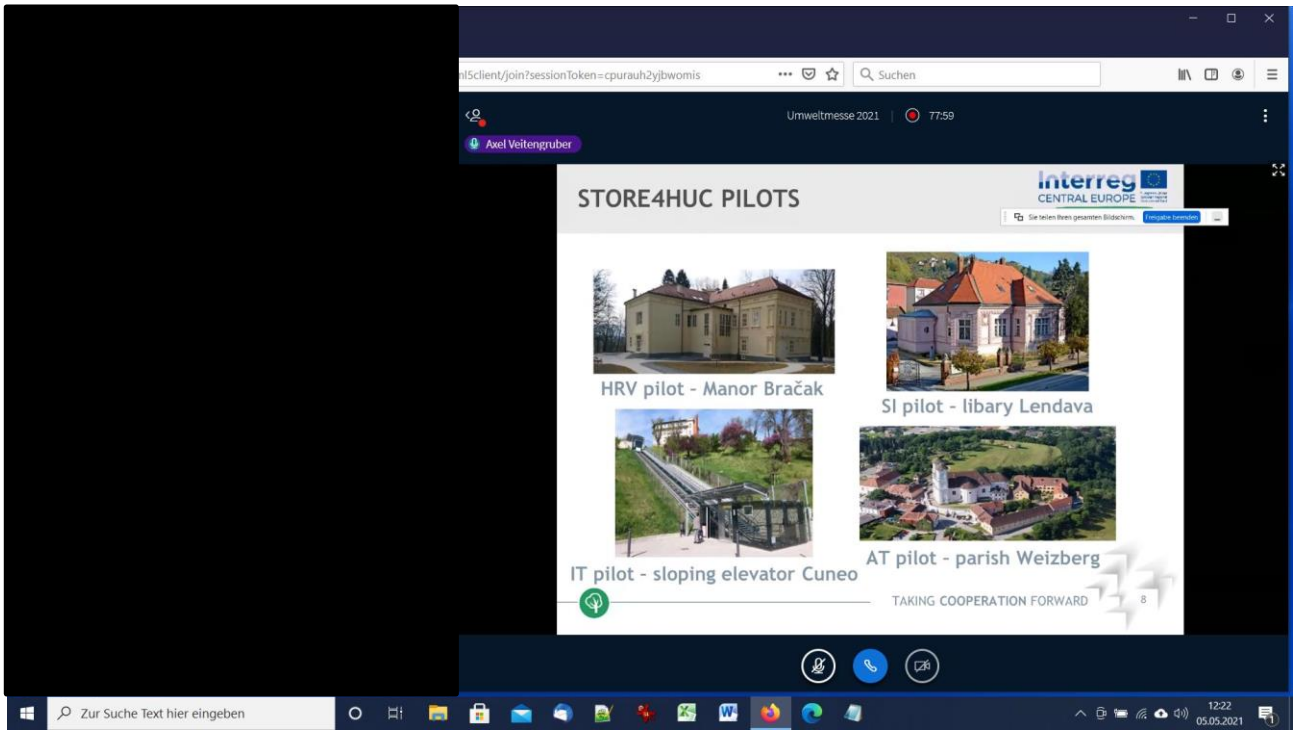
## 5.5 Pictures

### 5.5.1 Germany

#### 5.5.1.1 Climate Alliance International Conference 2019 in Rostock, Germany

The guided thematic tour ‘’Bottom-up Strategies - From Buildings to Energy Communities’’

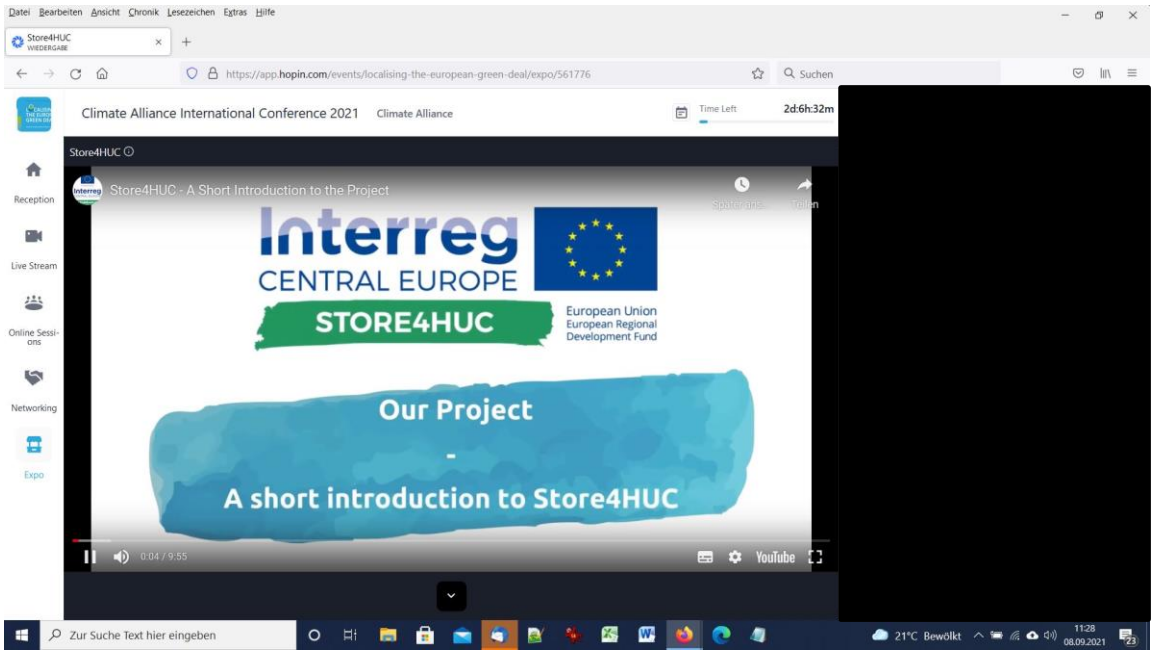
#### 5.5.1.2 Environmental Fair



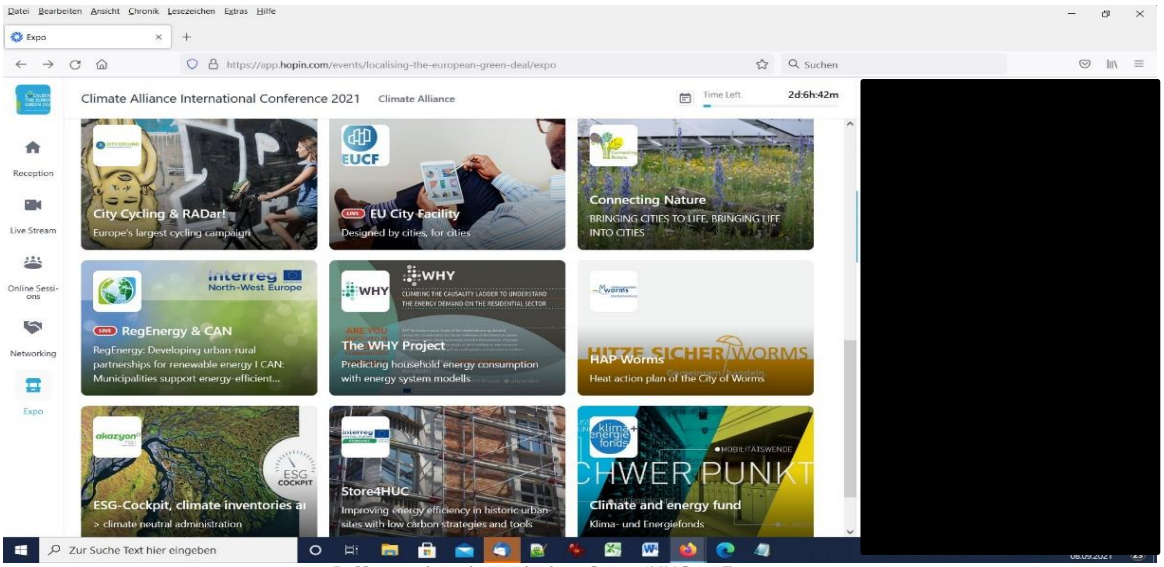

Another screenshot of the event, the slide was about the different pilots

#### 5.5.1.3 Climate Alliance International Conference 2021, Online / Wels (Austria)

Outside the timeslot if Store4HUC staff wasn't available visitors could play a Store4HUC YouTube video




Store4HUC YouTube video in the booth




Different booths including Store4HUC in Expo event

## 5.5.2 Austria

### 5.5.2.1 Event No. 1 (SSPCR 2019)

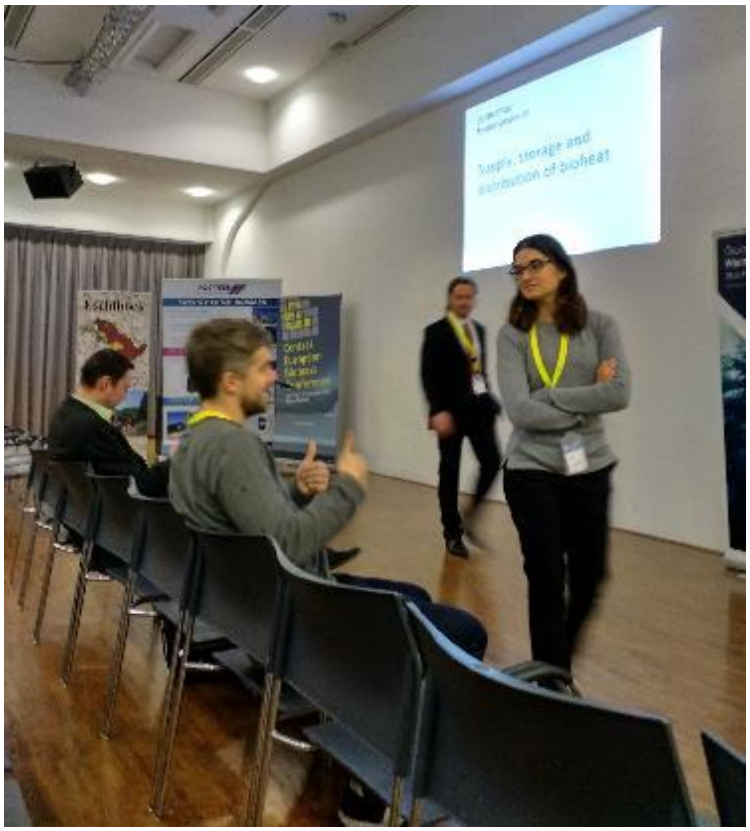
You may find some selected pictures in the following:

Conference begin of SSPCR 2019


Poster of Solar4HUC at the exhibition of SSPCR 2019

#### 5.5.2.2 Event No. 2 (CEBC 2020)

Poster of Solar4HUC at the exhibition of CEBC 2020

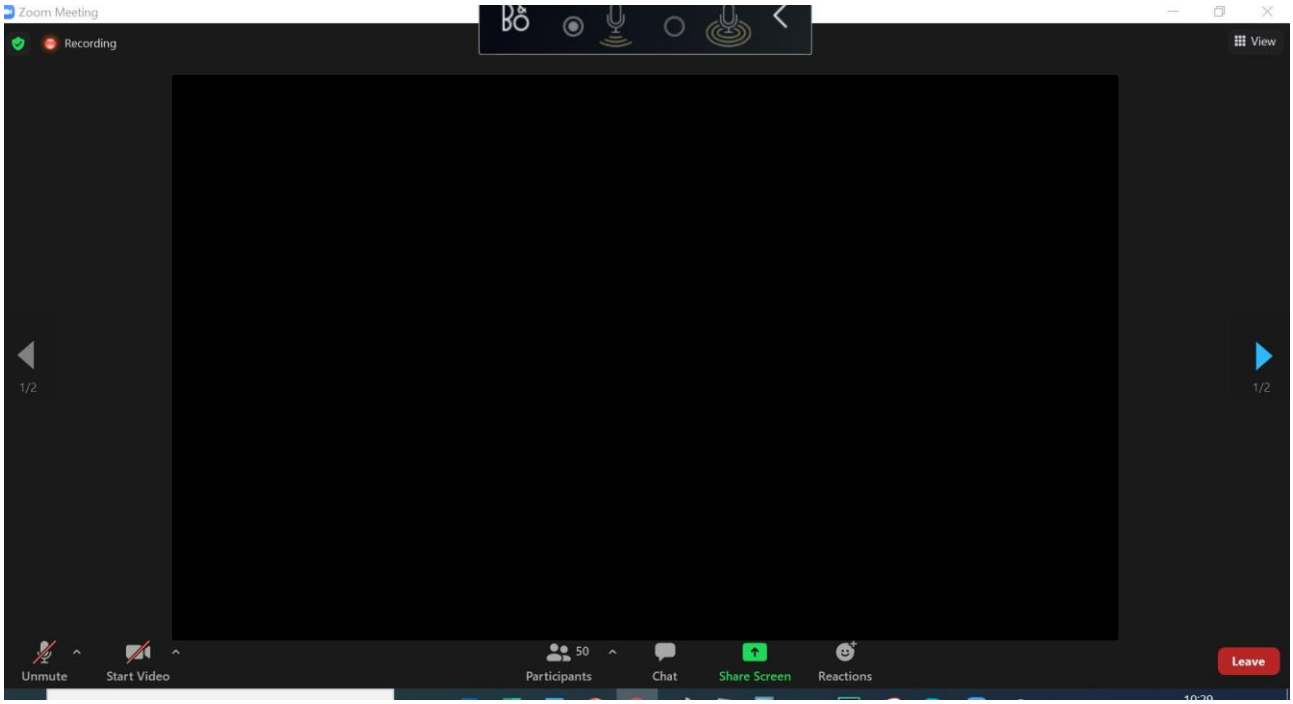


Conference presentation of the session Solar4HUC was represented at CEBC 2020

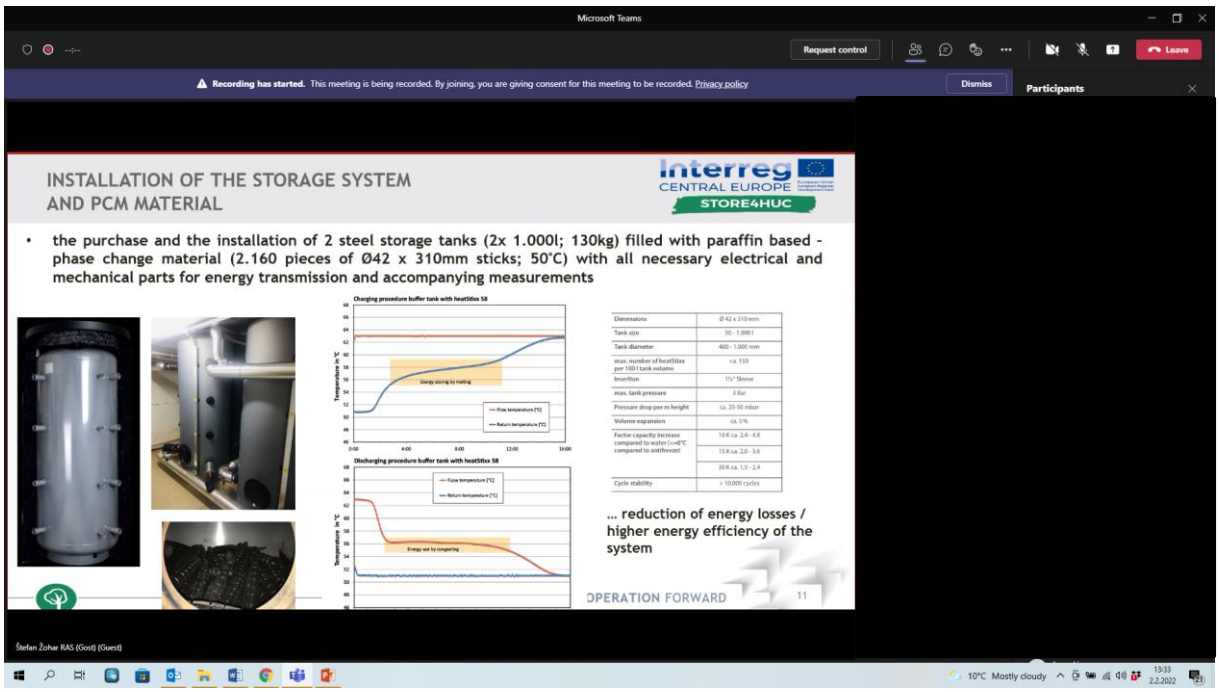
### 5.5.3 Slovenia

#### 5.5.3.1 Event No. 1


#### 5.5.3.2 Event No. 2



### 5.5.3.3 Event No. 3

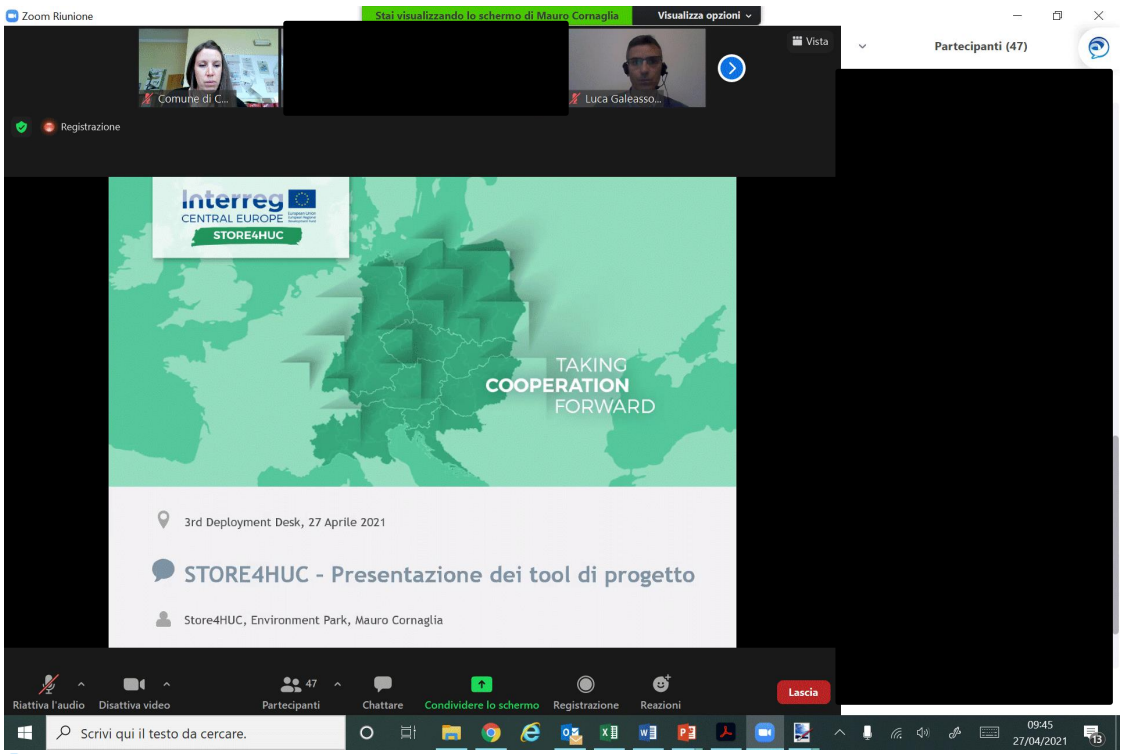


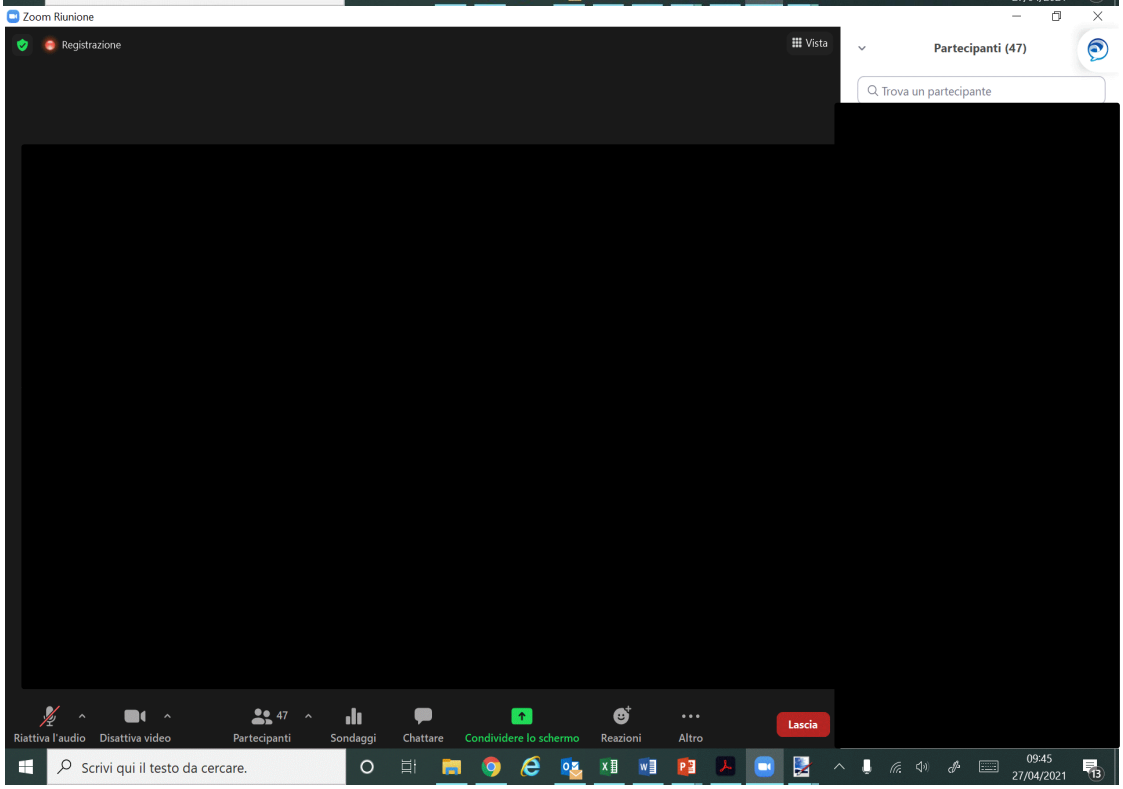
### 5.5.4 Italy

#### 5.5.4.1 Event No. 1

[redacted]

### 5.5.4.2 Event No. 2

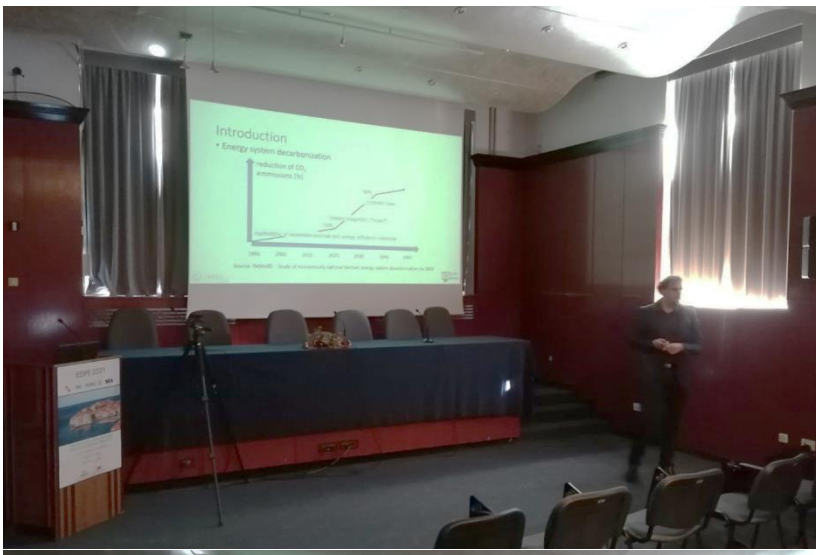


### 5.5.5 Croatia

#### 5.5.5.1 B:IT.con.


#### 5.5.5.2 EDPE


Introduction
• Energy system decarbonization


Predictive control and optimization procedures in energy management of buildings and infrastructure

## 5.6 PPT presentaion

### 5.6.1 Germany

#### 5.6.1.1 Climate Alliance International Conference 2019 in Rostock, Germany

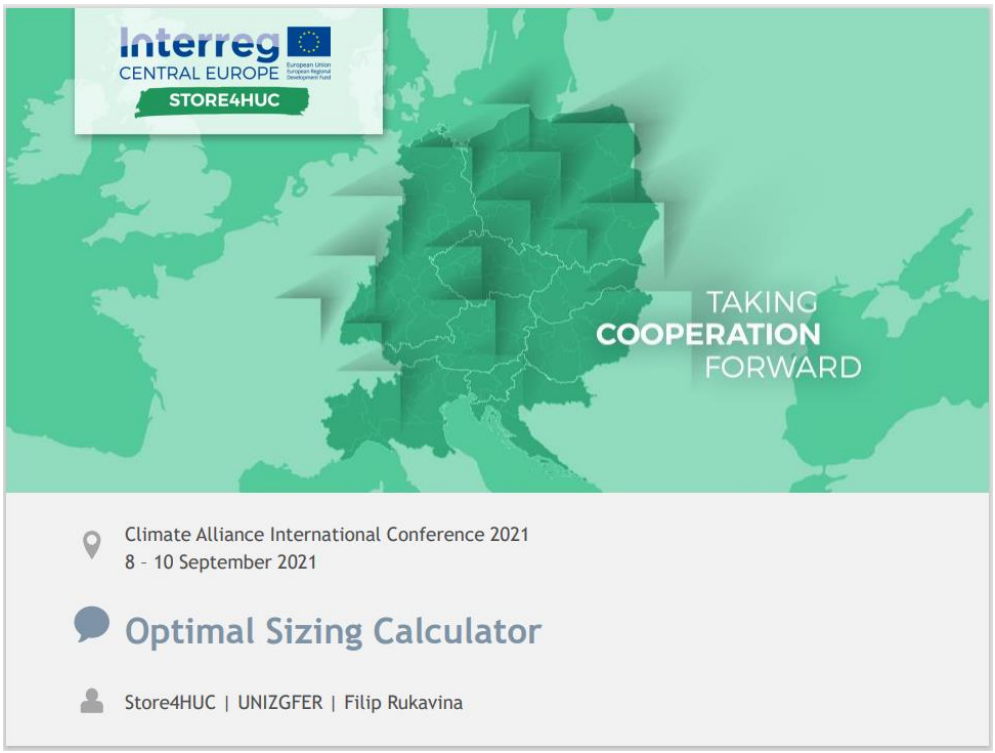
#### 5.6.1.2 Environmental Fair


Starting page of the used presentation


Introducing the consortium members to the audience

#### 5.6.1.3 Climate Alliance International Conference 2021, Online / Wels (Austria)

Filip Rukavina did provide 2 ppt presentations. The screenshot depicts just one of them




Starting page of a used presentation


Introducing to the organizers and supporters of the CAIC

### 5.6.2 Austria

#### 5.6.2.1 Event No. 1 (SSPCR 2019)

As it was only a poster presentation no power point presentation has been developed, but the poster can be found hereafter.

eurac research

3rd International Conference on
**Smart and Sustainable Planning for Cities and Regions 2019**

December 9-13
Bolzano/Bozen (IT)

SSPCR 2019

# Innovative technical solutions within Store4HUC: Thermal Storage Basilica Weizberg

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## Main Findings:

The aim is to integrate a central heat storage unit into the existing heating plant of the local heating network in the listed district of Weizberg and to implement a new control system with fully integrated, intelligent load management with mutual communication between all system components.
The boiler plant is currently operating mainly in the disadvantageous partial or low load range. This leads to increased fuel consumption and pollutant emissions.
The innovation of this project takes place on both storage and system level:

- At system level, by implementing a new control system with coherent load management of all system components, such as boiler plant, central storage, decentralised storage and network, by mutual communication of these and by access to the control system of the decentralised storage at the customers' premises.
- At storage level with the integration of a central heat storage facility in a listed district.

Only the implementation of the fully integrated, intelligent load management of all system components in interaction with the central and decentralised heat storage units enables the minimisation of the disadvantageous operating mode of the boiler plant and prevents the use of the local heating network as a thermal buffer and has the following positive effects:

- Use of the heating network as a thermal buffer is avoided
- Operation of the heating network in summer only for hot water demand and after communication with decentralised storage tanks
- Saving of primary energy (fuel saving)➔Reduced pollutant emissions
- Increasing the service life of plant components and thus ecological resources

The constructional requirements for the adherence to the preservation of the townscape and listed buildings are to be fulfilled by new solution concepts. The given project intends therefore to serve as an innovative best-practice facility in the coming years and as a model for simplified technical and, above all, economic implementation at other sites of listed buildings, and lead to a significant increase in the proportion of renewable energy sources in historic city centres.

## Introduction:

Store4HUC (www.interreg-central.eu/Store4HUC): It is challenging to provide a low carbon energy supply in cities in a style of energy storages. Especially in historical urban centres it is very difficult to achieve these results, because interventions in this specific area meet strict architectural protection constraints, involve higher implementation costs and often come in conflict with urban spatial planning policies.

## Method:

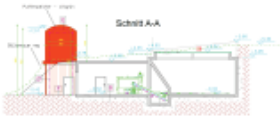
The main objective of this recently started project is to improve and enrich energy and spatial planning strategies targeting historical urban centres by focusing on integration of energy storage systems to enhance and increase the public institutional and utility capabilities, renewable energy sources and energy efficiency.

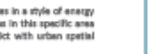
## State of the art:

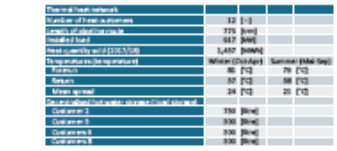
In Weiz, the parish on the Weizberg consists mainly of the basilica church built in the 18th century and is a listed building facing monumental protection limitations. The heating plant and related local network of the cooperative "Biomass Heating Plant Weizberg" was built in 1999. The network is supplied by a two-boiler system fired with hay at the Weizberg church site. The system is operated without back-up, meaning there is no additional energy storage. A building and terrain integrated water buffer energy storage tank energy storage system will be implemented. The site is part of the energy vision of Weiz (SECAP of the city of Weiz) to save about 40% of $CO_2$ emissions per capita from 1990-2030.

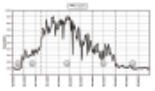
## Under discussion:

A survey performed in the city shows that the majority of the participants are well aware of the harmfulness of the climate change and are aware about energy efficiency and related sustainable actions. The dominance of being convinced on it is depending on the education and knowledge level. Energy performance certificates are voted as relevant and shared with positive attributes in regards to energy efficiency measures similar to the integration of renewable energy with a declared willingness to pay more. The majority would be proud to live in a low-consumption home, neighbourhood and city. The success of the project is due to the exchange of knowledge and integrated efforts of engaged members of the Weiz pilot together with parallel efforts in related projects moving towards the same goals.







## Footnotes and References:

**Contact:** Andrea Dornhofer andrea.dornhofer@innovationszentrum-weiz.at www.innovationszentrum-weiz.at
Michael Heidenreich mheidenreich@gmx.at www.ic-ces.at

#### 5.6.2.2 Event No. 2 (CEBC 2020)

You may find the ppt presentation as *.pdf enclosed.

### 5.6.3 Slovenia

PPT presentation is enclosed only for the 2nd event. At the 1st event the project was presented only orally as it was outside event.

### 5.6.4 Italy

See Google Drive folder.

### 5.6.5 Croatia

BITCON_2019_Vasak.pdf

EDPE2021_keynote_Vasak_final.pdf

## 5.7 Media coverage

### 5.7.1 Germany

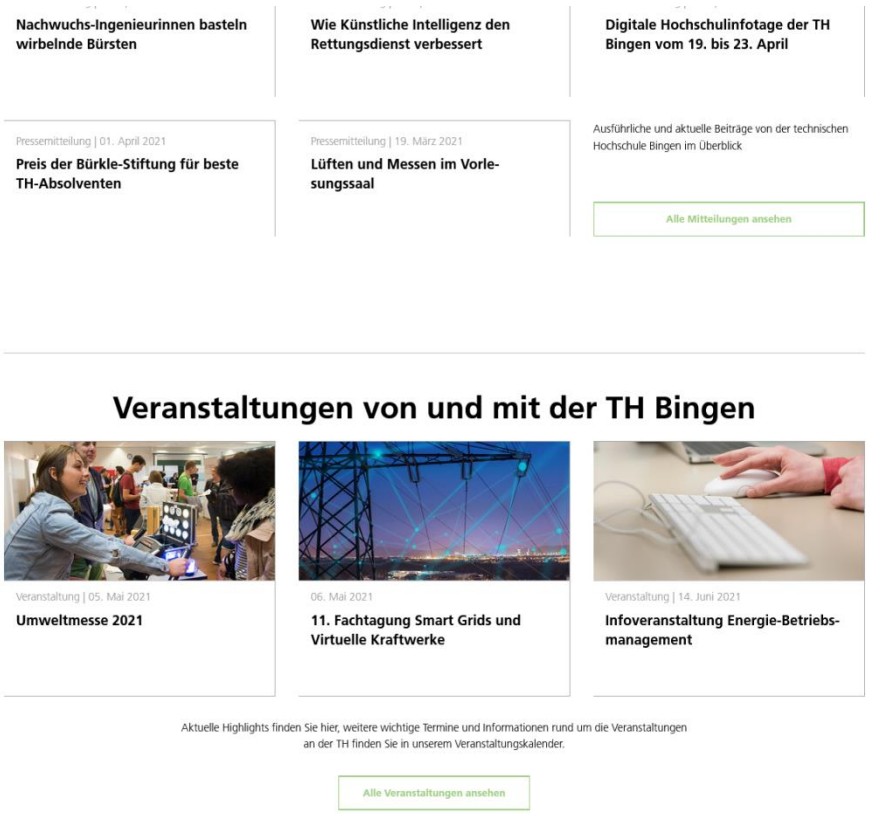
#### 5.7.1.1 Climate Alliance International Conference 2019 in Rostock, Germany

https://www.facebook.com/ClimateAlliance/posts/2981582555189235

https://www.facebook.com/ClimateAlliance/posts/2972886096058881

https://www.klimabuendnis.org/newsroom/news/news-detail/88-staedte-verurteilen-menschenrechts-und-umweltverletzungen-in-amazonien.html

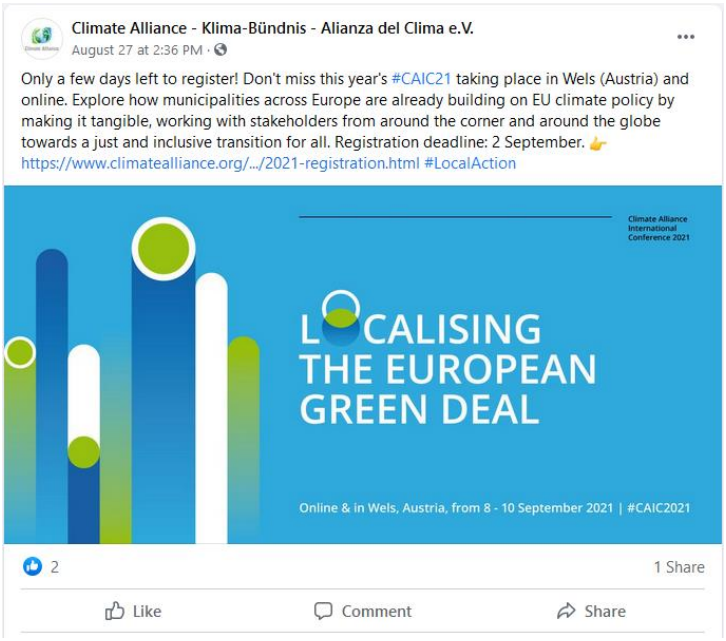
#### 5.7.1.2 Environmental Fair




Front page of the University of Applied Science Bingen with the Event "Umweltmesse 2021"

#### 5.7.1.3 Climate Alliance International Conference 2021, Online / Wels (Austria)

Climate Alliance and its conference partners did a wide range of activities advertising the conference. The screenshot depicts as an example a Facebook post




Facebook post about CAIC2021

### 5.7.2 Austria

#### 5.7.2.1 Event No. 1 (SSPCR 2019)

https://smart-beejs.eu/events/3rd-international-conference-on-smart-and-sustainable-planning-for-cities-and-regions-2019-sspcr-2019/

https://www.researchgate.net/project/SSPCR-2019-International-conference-on-Smart-and-Sustainable-Planning-for-Cities-and-Regions

https://isocarp.org/events/3rd-international-conference-on-smart-and-sustainable-planning-for-cities-and-regions-sspcr-2019/

#### 5.7.2.2 Event No. 2 (CEBC 2020)

https://www.a3ps.at/event/brennpunkt-graz-6-mitteleuropaische-biomassekonferenz-cebc-2020

### 5.7.3 Slovenia

N/A

### 5.7.4 Italy

#### 5.7.4.1 Event No. 1

https://www.ideawebtv.it/2020/07/10/cuneo-ascensore-inclinato-panoramico-tornano-a-riunirsi-gli-stakeholder-del-tavolo-store4huc/

https://www.targatocn.it/2020/07/10/leggi-notizia/argomenti/attualita/articolo/ascensore-inclinato-panoramico-di-cuneo-tornano-a-riunirsi-gli-stakeholder-del-tavolo-store4huc.html

https://www.cuneodice.it/attualita/cuneo-e-valli/cuneo-l-ascensore-inclinato-panoramico-e-un-esempio-per-l-italia-e-l-europa_38496.html

#### 5.7.4.2 Event No. 2

Not available.

### 5.7.5 Croatia

#### 5.7.5.1 B:IT.con

http://rep.hr/dogadjanja/b-it-con-bjelovar/1017/

https://www.netokracija.com/event/bit-con-2019

#### 5.7.5.2 EDPE

N/A

## 5.8 Web-links

### 5.8.1 Germany

#### 5.8.1.1 Climate Alliance International Conference 2019 in Rostock, Germany

**http://www.climatealliance.org/events/international-conference/2019-conference.html?page=594**

**http://www.climatealliance.org/events/international-conference/2019-programme.html?page=156**

**http://www.klimabuendnis.org/events/internationale-jahreskonferenz/konferenz-2019.html?page=594**

**http://www.klimabuendnis.org/events/internationale-jahreskonferenz/programm-2019.html?page=594**

**http://newsletter.klimabuendnis.org/index.php?id=389**

http://newsletter.klimabuendnis.org/index.php?id=391

http://newsletter.klimabuendnis.org/index.php?id=393

#### 5.8.1.2 Environmental Fair

https://www.th-bingen.de/home/

Website of the University of Applied Science in Bingen am Rhein.

#### 5.8.1.3 Climate Alliance International Conference 2021, Online / Wels (Austria)

Weblinks are related to advertise the conference, not only the Store4HUC exposition booth

https://www.climatealliance.org/events/international-conference/2021registration.html?fbclid=IwAR3etZETXKWh2xsCcNhARtiH90nOBUcnBJR3a5R9XBxUVmUKeIosrgf_YU0

https://www.facebook.com/ClimateAlliance/posts/4954718754542262?__cft[0]=AZX1OIi1JpgYBfusnouKg187eRndY8iKrPbYszhr3DBLtWQ6cXYz8q0

### 5.8.2 Austria

#### 5.8.2.1 Event No. 1 (SSPCR 2019)

http://www.sspcr.eurac.edu/

#### 5.8.2.2 Event No. 2 (CEBC 2020)

www.cebc.at

### 5.8.3 Slovenia

N/A

### 5.8.4 Italy

#### 5.8.4.1 Event No. 1

https://www.interregeurope.eu/shrec/news/news-article/9337/energy-community-and-storage-in-piemonte-region/

#### 5.8.4.2 Event No. 2

https://www.envipark.com/2021/04/13/le-pubbliche-amministrazioni-e-le-comunita-energetiche/

https://www.comune.cuneo.it/news/dettaglio/periodo/2021/04/21/il-progetto-store4huc-organizza-un-evento-pubblico-dedicato-alle-energie-rinnovabili-e-al-loro-poten.html

### 5.8.5 Croatia

#### 5.8.5.1 B:IT.con

**https://bitcon.bjelovar.hr/#**

#### 5.8.5.2 EDPE

https://www.edpe2021.fer.hr/