



*H2020-LC-SC3-2019-ES-SCC*  
*Research on advanced tools and technological development*

***ComBioTES***  
***Compact bio-based thermal energy storage for buildings***

*Starting date of the project: 01/11/2019*  
*Duration: 66 months*

---

**= Deliverable D7.1 =**  
**Dissemination and communication strategy document prepared**

Due date of deliverable: 31/08/2021  
Actual submission date: 31/08/2021

Responsible WP: Loïs Wittersheim (AMI), WP7  
Task Leader: Loïs Wittersheim (AMI), WP7  
Revision: V1.0

Dissemination level		
PU	Public	X
PP	Restricted to other programme participants (including the Commission Services)	
RE	Restricted to a group specified by the consortium (including the Commission Services)	
CO	Confidential, only for members of the consortium (including the Commission Services)	



*This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 864496.*

**AUTHOR**

Author	Institution	Contact (e-mail, phone)
Loïs Wittersheim	AMI	wittersheim@amires.eu

**DOCUMENT CONTROL**

Document version	Date	Change
V1.0	09/08/21	First version

**VALIDATION**

Reviewers	Validation date	
Work Package Leader	Loïs Wittersheim	09/08/21
Project Coordinator	Arnaud Bruch	30/08/21
Project Manager	Loïs Wittersheim	09/08/21
Exploitation Manager	Fabian Hoppe	30/08/21

**DOCUMENT DATA**

<b>Keywords</b>	Dissemination, communication, open access, events
<b>Point of Contact</b>	Name: Loïs Wittersheim Partner: AMIRES Address: Stavitzelská 1099/6, Prague 6, Czech Republic  Phone: E-mail: <a href="mailto:wittersheim@amires.eu">wittersheim@amires.eu</a>
<b>Delivery date</b>	31/08/2021

**DISTRIBUTION LIST**

Date	Issue	Recipients
31/08/21	V1.0	All partners + P.O.

**DISCLAIMER**

*Any dissemination of results reflects only the authors' view and the European Commission Horizon 2020 is not responsible for any use that may be made of the information Deliverable D7.1 contains.*

## Executive Summary

Timely and effective dissemination of results is an essential part of every research project. This ensures that the gained knowledge or exploitable foreground can benefit the whole society, and that any duplication of research and development activities is avoided.

This document summarizes the strategy for disseminating the results of the ComBioTES project and the activities planned to give a high visibility to the project, its achievements and its partners. Dissemination activities will be developed with the aim to support the project exploitation, trying to attract and involve the stakeholders through specific communication activities. Throughout the lifetime of the project, this strategy may be adapted to benefit fully from all possible dissemination and communication routes. Besides, any suggestions on dissemination from the project's External Advisory Board will be taken into special consideration.

EC rules for dissemination are summarized in Chapter 2: guidelines for internal communication, dissemination and publication of the project contents, with reference to the EC Open Access policy, are provided to partners. The quality assurance and approval process are also described. The target audience is defined as well as the corresponding communication strategy. A dissemination plan and corresponding timelines, able to create awareness at the right time, are developed and presented in the Timeline subchapter.

Dissemination and communication activities are presented in the Chapters 3, 4, and 5. Chapter 3 describes the main dissemination materials such as project logo, website, fact sheet, leaflets & brochure, newsletters, press releases, and social media. Chapter 4 introduces the organization of the events like workshops, final conference, training and stakeholders' involvement activities, publications of the project results in scientific events (conferences, symposia, meetings) and articles in relevant journals and periodicals. Chapter 5 is addressed to the potential EU clustering activities and sister projects that have been identified for this purpose.

## Table of contents

<b>1. Introduction</b>	<b>5</b>
<b>2. Dissemination and Communication strategy plan</b>	<b>6</b>
2.1. Guidelines for partners	6
2.2. Publication policy and open access	8
2.3. Timeline	9
2.4. Target audience	10
<b>3. Preparation of dissemination materials</b>	<b>12</b>
3.1. Project logo	12
3.2. Webpage	12
3.3. Project folders and leaflets	12
3.4. Technology news servers	13
3.5. Roll up	13
3.6. Press media	13
3.7. Social media	13
<b>4. Organisation of events</b>	<b>14</b>
4.1. Project workshops and tutorials	14
4.2. Final conference	15
4.3. Presentations at conferences, symposia, exhibitions	15
4.4. Scientific articles in relevant journals and periodicals	15
<b>5. Clustering activities</b>	<b>16</b>
5.1. EU Clustering groups	16
5.2. Possible sister projects	16
<b>6. Conclusions</b>	<b>18</b>
<b>7. Degree of progress</b>	<b>19</b>
<b>8. Dissemination level</b>	<b>20</b>

## 1. Introduction

This deliverable is part of the task 7.1 Dissemination and public events. The task states that partners will define a working document outlining the dissemination strategy (definition of internal procedures, target audience, and timelines) and communication strategy (means, methods and tools used to approach the defined target audience during the lifetime of the project). All dissemination activities will be recorded periodically using a “*ComBioTES recording dissemination*” Excel file and information about dissemination will also be included in the periodic reports. The website will also be used to concentrate and record all these activities in a public way.

The dissemination strategy has the objective to outline the main elements and strategic choices regarding the dissemination activities of the ComBioTES project towards the most important stakeholder groups. The document will enable the project team to properly plan and implement all required dissemination activities in order to achieve the identified main objectives: implement communication activities targeted to different stakeholders, produce publicity materials for project outputs awareness and involve different specialists’ communities (in energy storage, phase changing materials, energy management, among others) throughout all phases of the project. Active participation in conferences, workshops, tradeshow and courses, as well as the creation of relationships with other framework projects and initiatives (clustering activities) are key initiatives for the plan.

## 2. Dissemination and Communication strategy plan

In relation to the external communication, the dissemination of the project's achievements should never jeopardize the potential protection of generated intellectual property (e.g. patent, product design) and further industrial application. Therefore, before any dissemination activity (publication, presentation), strict rules of prior notice to all partners will be applied, according to EC guidelines. Partners will have the possibility to refuse dissemination of their own know-how (background or results) when it could potentially harm their interests. The Dissemination Manager in cooperation with the Exploitation Manager will follow all the described approval processes and will act as an internal executive approval body for any dissemination action organized by different partners.

All project outcomes will acknowledge the support of the European Commission as it is requested by the Article 29 (Dissemination of Results, Open Access, Visibility of EU Funding) and Article 38 (Promoting the Action, Visibility of EU Funding) of the H2020 MGA and follow its principles. Unless it goes against their legitimate interests, each beneficiary must disseminate its results by disclosing them to the public by appropriate means (other than those resulting from protecting or exploiting the results), including in scientific publications (in any medium). This does not change the obligation to protect results in Article 27, the confidentiality obligations in Article 36, the security obligations in Article 37 or the obligations to protect personal data in Article 39, all of which still apply. The proper dissemination details (e.g. time schedule for prior notice and partner's approval) will be covered by signed Consortium Agreement.

Prior notice of any planned publication should be given to other consortium members at least 45 calendar days before the publication. Any objection to the planned publication shall be made in accordance with the Grant Agreement in writing to the Coordinator and to the consortium members proposing the dissemination within 30 calendar days after receipt of the notice. If no objection is made within the time limit, the publication is permitted (Figure 1).



Figure 1 Information and timeline of intention of publication

The following information will always be mentioned in the publication: *“This project has received funding from the European Union’s Horizon 2020 research and innovation programme under grant agreement No 864496, project ComBioTES.”*

The procedures to allow all dissemination materials to be quality assured, including both the contents and the layout, are established with the aim to check: (i) messages to be transmitted outside of the consortium, including the suitability of the messages for the people addressed, the stress on the benefits and the relevance for the industry (when applicable); (ii) technical contents control in order to ensure the quality of achieved scientific and research objectives of project brochures; (iii) that scientific papers and publications contain sufficient reference to the project; and (iv) layout quality and suitability to the standard.

### 2.1. Guidelines for partners

The European Commission is encouraging the Dissemination Leader to record, track, monitor, coordinate and report all the project Dissemination activities (publications, participation to events, contributions to press and

ComBioTES

media) with dedicated Deliverables and sessions inside the Periodic Reports. **An Excel file was prepared in order to track each partner’s contribution, prepare a complete list of possible future actions and monitor/assess each dissemination activity.** This file, created at the very beginning of the project, is composed of three different sheets: Scientific publications, Events and Press & Media (Figure 2, Figure 3, Figure 4). The tables include information about each dissemination activity performed within the project (type and title, URL and references, targeted public and participants, date, location, ComBioTES partner responsible for such Dissemination, visibility level, etc.) and associated methods (attendance, abstract submission, poster show, distribution of materials like fact sheet, newsletter, etc., oral presentations, DEMO/video show, stand/booth, press releases, post in social media, interviews and videos, etc.). It is distributed amongst the Consortium members and updated internally each 6 months during the whole ComBioTES project duration.

**The following guidelines were provided to the partners as procedures for disseminating ComBioTES** (i.e. submit a peer-reviewed article, attend a conference, have a booth at a Trade Fair, publish press releases, post online information about the project, communicate with media, etc.):

- **Send an email to the Dissemination Manager (AMIRES) and, in case, to the other involved partners** (i.e. coordinator and co-authors for publications). Please, remember the clauses of prior to notice, approval and acknowledgement in the CA.
- Each partner is free to choose **any national or international event or conference**, which may be interesting for showing results from the Project. **Co-authorships are encouraged and possible joint participation of partners** at the same event will be coordinated by the Dissemination Manager.
- Once your article is published/ the conference or exhibition is closed/ the link of your contribution to media is available, send an email to the Dissemination Manager with some additional information to fill in and update the Excel tables.
- The Dissemination Leader will update the Excel file **„ComBioTES recording dissemination“** that will be made available for partners via OwnCloud. This Excel file will be circulated by email amongst the project partners for a double-check and updates every 6 months.

The benefits of having periodic recording of the project Dissemination activities are to provide regular updates to the EC about the project’s dissemination and exploitation and to be updated about project publications and upcoming events.

Dissemination recording and plan									
Scientific publication (name of the journal/book)	Publisher	D.O.I. (*)	Title of the article / abstract / manuscript / thesis	Partner responsible / main author	Authors	Volume and relevant pages	Date of submission	Date of publication	Language

Figure 2 Recording of scientific publications

Dissemination recording and plan														
Type of event (*)	Name of event	URL	Date	Place	Partner responsible/participants	Targeted audience (#)	Number of participants/Visibility (C)	Dissemination activity						
								Attendance	Abstract submission	Paper submission	Poster submission	Lecture/Powerpoint presentation	Brochure/Newsletter distribution	Video/DEMO

Figure 3 Recording of events

Dissemination recording and plan											
Press and Media (*)	URL	Publication date	Partner responsible/author	Targeted audience (#)	Language	Visibility (C)	Dissemination activity				
							Publication (press)	Web article	Web post	Visual contents	Interview

Figure 4 Recording of media occurrences

## 2.2. Publication policy and open access

Partners agree to generate peer-reviewed articles resulting from projects to an institutional or subject-based repository, for example Zenodo, and to make their best efforts to ensure open access to these articles at the latest on publication or within six months after publication. **The open access to scientific publications will be ensured in line with Article 29.2 H2020 MGA on Open access to scientific publication and “green” or “gold” model would be used depending on the strategy of consortium regarding the specific peer-reviewed scientific publication.**

**Each beneficiary must ensure open access (free of charge online access for any user) to all peer reviewed scientific publications relating to its results (Article 29.2). In particular, they must:**

- Deposit a machine-readable electronic copy of the published version or final peer-reviewed manuscript accepted for publication in a repository for scientific publications. Moreover, the beneficiary must aim to deposit the research data needed to validate the results presented in the deposited scientific publications.
- Ensure open access to the deposited publication at the latest:
  - on publication, if an electronic version is available for free via the publisher, or;
  - within six months of publication in any other case.
- Ensure open access to the bibliographic metadata that identify the deposited publication.

Own Cloud will be used for internal open access repository. During the ComBioTES project’s course, various data will be collected and generated. It will mainly be the data acquired during the phase of the development and validation of individual technologies/components and the entire toolbox system (data from modelling and simulation) and data obtained during the tests in laboratories and on real testing sites. An appropriate privacy policy will be put in place and all necessary approvals will be acquired before the deployment of the system. **Anonymization of all data will be ensured.** All data collected during the project will be placed on the official Own Cloud portal, where they will be available for all authorized persons and will be properly secured against theft and misuse.



### 2.3. Timeline

Figure 5 below displays the proposed dissemination and communication channels during the project's life span.

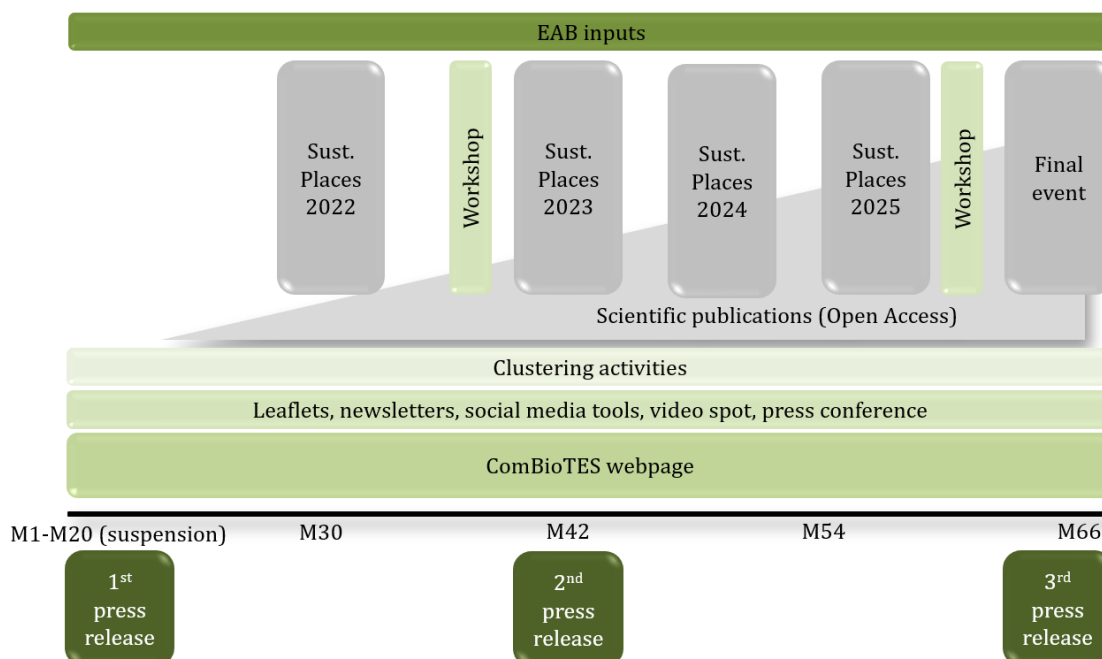


Figure 5 Main proposed dissemination and communication channels

ComBioTES communication and dissemination activities are suggested as follows:

- development and maintenance of the project webpage;
- preparation of the dissemination materials (leaflets, posters, etc.);
- training activities;
  - e-learning tutorials
  - face-to-face training course
- organization of the ComBioTES events;
  - distance learning package, knowledge exchange and transfer courses
  - final ComBioTES conference
- publication of the ComBioTES results;
  - at key conferences in Europe
  - in relevant scientific and industrial journals
  - contribution to technology news servers
- EU and national clustering activities;
- E-mail newsletters.

More in detail, the ComBioTES dissemination plan foresees:

- Phase 1 (M1 – M30):
  - webpage creation
  - implementation of the dissemination strategy
  - clustering activities
  - first ComBioTES presentations at events
  - preparation of the dissemination materials: factsheet
  - 1st press release
- Phase 2 (M31 – M42):
  - dissemination strategy update
  - continuous webpage update
  - clustering activities
  - scientific publications of the ComBioTES results
  - partners participating in conferences and symposia
  - dissemination materials: ComBioTES poster/roll-up and brochure
  - 1st workshop
- Phase 3 (M43 – M54):
  - dissemination strategy update
  - continuous webpage update
  - clustering activities
  - scientific publications of the ComBioTES results
  - partners participating in conferences and symposia
  - dissemination materials: leaflet with project's results
  - 2nd press release
- Phase 4 (M55 – M66):
  - dissemination strategy update
  - continuous webpage update
  - scientific publications of the ComBioTES results
  - final ComBioTES conference
  - 2nd workshop
  - final press release

## 2.4. Target audience

Various communication tools will be used and will be tailored to the needs of various stakeholders and audiences. The target audiences will include **scientific community, industry (building, energy suppliers, heat storage, smart grid equipment), policy-makers, standardization bodies, students, public and the media**. The identified channels and tools for communication (and dissemination) are introduced in Table 1.

Communication activities will be monitored and followed-up to maximize their impact. The Project Officer will be regularly informed about the communication outcomes and based on his decision, EC communication channels could be used too.

Table 1 Matrix of intended ComBioTES dissemination and communication channels and the targeted audience

Target groups	Indicators for measuring the effectiveness of the approach	Min target value	Feedbacks expected
<b>Research community</b> <i>Heat storage and energy management researchers &amp; industries</i>	Publications at international conferences (M30 onwards)	10	-Disseminate the latest results towards Heat storage and energy management actors -Designing new collaborative research proposals.
	Publications in international journals (M30 onwards)	7	
	Participation with presentation of results at international events with industry	3	
	Workshops	2	
<b>General public</b> <i>Public and Private</i>	Non-scientific publications (articles, press releases); Participation in national events promoting new solutions for energy storage & local energy in eco-buildings & districts	10	Attract attention and generate interests for an optimal exploitation of the project's results.
	Flyers/Poster distributed at conferences, workshops, etc.	1000	
	Project Website (M22): Number of Visits Public deliverables will be made available: N° of downloads	3000 200	
<b>Customers</b> <i>Local authorities, Real Estate managers, Buildings industry (architects, engineering companies, building companies); Suppliers of Renewable Power storage &amp; smart grid equipment</i>	Customer request for other projects deployment	50	-Discussions at our booth on industrial and commercial fairs -Request for specific features to address specific integration needs -Direct contact following press coverage and communication
	Interest of industrial customers on Technology Exploitation via partnerships and/or licence agreements	10	
<b>Standards &amp; regulation bodies</b>	ComBioTES will interact with PKN KT137	1	Promoting the ComBioTES results and making sure that they can be integrated and contribute in future standards
	Participation in EU commission's consultation & other worldwide regulatory in the field of interest	1	
<b>Training</b> <i>Energy managers and experts</i>	Organization of workshops with project results included	2	Training of future technology users
<b>Launch event</b>	Presentation & inauguration of the installed demonstrator at SINTEF testing sites. A large panel of invitees will be addressed, including EU representatives, several companies involved in the field of energy management & energy storage, smart grids, local authorities from several European regions, policy makers, etc.	1	Better knowledge of the potential of the technology
<b>Visits of the Demo Unit</b>	During the last year of the project, visits of the ComBioTES Demo Unit will be organised by the project partners at the testing sites	4	Education & raising awareness of potential customers.

A role of a Dissemination and Communication Manager (WP7 Leader, Loïs Wittersheim, AMI) has been established in order to plan, follow, undertake and monitor the planned communication and dissemination activities. Regular contact with all Work Package Leaders will ensure timely communication and dissemination of project outcomes and results.

### 3. Preparation of dissemination materials

Several types of dissemination materials will be prepared during the project's lifespan in order to create awareness and inform wide and various audiences on the ComBioTES project and its development. These materials will be extensively used by ComBioTES partners whenever they present at conferences, publish in journals and magazines, establish contacts with media, attend exhibitions, organize workshops, etc.

The promotional materials developed and under development during ComBioTES project are:

- Project logo
- Project webpage
- Project folders and leaflets.
- Technology news servers
- Presentation at conferences, symposia, meetings
- eTools like Facebook, LinkedIn, Wikipedia, YouTube, Twitter
- Press conference and press releases

All the materials will be distributed to all the partners by email and uploaded to the Own Cloud.

#### 3.1. Project logo

Some proposals for the project logo were designed before the kick-off meeting and discussed with the coordinator. The official ComBioTES logo (Figure 6) is also associated with the EU flag and acknowledgment. The project logo is used in all the project-related advertising materials including templates, website, leaflets, posters, brochures and newsletters.



Figure 6 ComBioTES Official Logo

#### 3.2. Webpage

The project's website <https://combiotes.eu/> has been set up in order to increase public awareness about ComBioTES, and will be actively maintained during the whole course of the project. The whole content of the website is public.

This tool is described in detail in the deliverable D7.2.

#### 3.3. Project folders and leaflets

In order to provide a broad public information about the project, promotional material like leaflets, flyers, brochures, posters, etc. about ComBioTES will be created and distributed widely in all key events and through a regularly updated database of contacts. Journalists (from television, periodicals, magazines, newspapers) will be regularly updated on ComBioTES progress, results and events by publishing dedicated press releases. Events organized by the consortium will be announced via the above-mentioned channels, and will focus on large non-specialized scientific community and stakeholders. Infographics will be used for better visualization

of the information and project's objectives. They have been and will be designed, approved by coordinator and distributed in the Consortium.

The objective of the information materials is to present the project in a short, simple and easy-to-read way. It includes general project information, an introduction about the potential of the energy storage solution proposed by the project, basic facts and expected impact. Names and countries of partners, contacts of the project manager and coordinator, and the webpage link are also provided. The fact sheet can be distributed both electronically and in printed form by each partner during events and meetings with stakeholders.

### 3.4. Technology news servers

The project will comply with knowledge sharing arrangement and will actively contribute to CORDIS, periodically, each time after the latest achievements, at least at the beginning and at the end of the project.

### 3.5. Roll up

In order to make the presentation of the ComBioTES project in different events, a roll-up will be developed including the general project information, the description of the ComBioTES concept and approach with visual contents, the logos of the partners and a link to the webpage. Other posters with more scientific contents could be developed by the partners and presented during scientific symposia and conferences, showing with tangible results and data the achievements of the project to the industry and broad public.

### 3.6. Press media

Newsletters and their regular dissemination can help to maintain the visibility of the project during its whole duration, create awareness and expectations regarding the final results and inform the target audience about progress made in the project.

At least one press conference will be organized during the project's lifespan to inform the media about the project's content, intentions and/or the achievements. Project beneficiaries could be interviewed for TV/print media outcomes. Press releases will be written and circulated to relevant media list, at least at the beginning, in the middle and at the end of the project. The English version could be translated into other languages (French, German, Polish, etc.) to have a broader and more local impact.

Publications in magazines, press campaigns and media events by partners will be supported during the lifespan of the project under the approval of the Dissemination manager, Exploitation Manager and Project Coordinator. Media will also be invited during the next key project events, especially during the last year of the project. All press releases, articles and multimedia news connected with ComBioTES project can be found in the section Press releases within the ComBioTES website.

### 3.7. Social media

Social Media like LinkedIn, YouTube, Twitter, etc. will be considered to reach the potential impact, especially to the younger generation and to have the feedback from various audiences. Short news on ComBioTES project and its development will be prepared and shared on the identified tools especially during events, conferences, and symposia. Social media will also be considered as a communication channel to disseminate potential clustering activities. Figure 7 shows an example of a LinkedIn post related to the project's kick-off meeting.

## ComBioTES

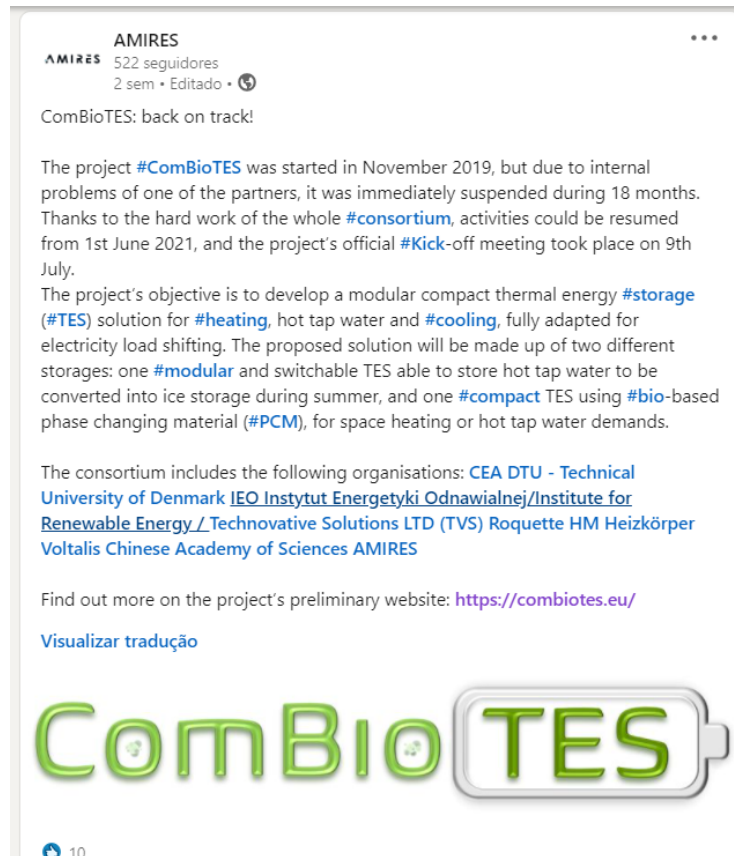


Figure 7 ComBioTES KOM News on AMIRES' LinkedIn page

## 4. Organisation of events

The events related to the project are of three types: the workshops dedicated to the dissemination of the results and technological solutions to different stakeholders and industry actors, based on tutorials; the final event that serves as the main attractive event for a broader public and involves a full demonstration of the project's solutions; and the other events, conferences and symposia attended by partners of the consortium, and organised outside the project.

### 4.1. Project workshops and tutorials

The consortium will organize several workshops on the themes related to the project, mainly energy management and storage. They will be organized in the course of the third and fourth years and will be public. The consortium will take benefit of the testing sites planned in the project to demonstrate the different aspects of the technological solutions; while the first workshop or tutorial could be preliminary and based on partial results, more advanced sessions could include the whole energy storage solution, together with the energy management system. One of these workshops will be organised in Brussels, to attract the attention of policy makers, members of the European Parliament, representatives of regions, lobbyist organisations and other relevant stakeholders. The testing sites will be prepared for journalists in order to show them the latest developments of the project, allowing them to inform the general public on the possibilities of residential thermal energy management and building improvement. The main target public will be industrials, engineering offices and auditors, who could both learn the technical basis of the proposed solutions, and their positive impact for industries and private households.

E-learning videos for training could also be set up for the consortium members and any other professional related to the field. This practice-oriented multimedia content could be essential for the social innovation of learning combining approaches that include counselling. The e-learning content could be shared on the

ComBioTES website. Each one of the technical WPs (WP2, 3, 4 and 5) could feature all the contents, models, experience and lessons learnt from the experimental and theoretical activities carried out.

#### 4.2. Final conference

The final ComBioTES event will take place at the premises of CEA in Grenoble (France), making the most of the testing site and opening it to the public, showcasing the major outcomes of the project and getting in touch with an interdisciplinary group of stakeholders. The final conference would highly benefit from clustering activities with similar projects, (see section 5), as it will include speakers from research and innovation, academia, companies and policy-makers, both among the partners and outside the consortium. This event will combine theory, real cases study, lessons learned from the project, a site visit, and a face-to-face training session for the major industrial actors and stakeholders. Detailed information about this event, including the exact contents, speakers, targeted audience, etc., will be discussed at least one year before its holding.

#### 4.3. Presentations at conferences, symposia, exhibitions

A set of conferences, workshops, and seminars have been identified, that can be attended by the partners of the consortium to disseminate ComBioTES results in the following domains: thermal energy storage, smart energy management system, phase changing materials.

Here are examples of events, where a presentation of the project will be considered (the list is not exhaustive, and is subject to updates):

- Sustainable Places (<https://www.sustainableplaces.eu/>)
- ManuChem Strategies (<https://www.global-manufacturing-chemicals.com/>)
- Strategietage Businessfactors (<https://www.businessfactors.de/en/conferences/information-technology/>)
- MODELICA (<https://www.modelica.org/events/modelica2020Americas>)
- MATHMOD (<https://www.mathmod.at/>),
- International Congress of Refrigeration (<https://iifir.org/en>)
- EU Sustainable Energy Week (<http://eusew.eu> )
- ECOS (<https://ecos2021.org/>)
- Enlit Europe (<https://www.enlit-europe.com/live>)
- IRSEC (<http://www.med-space.org/9th-international-renewable-and-sustainable-energy-conference/>)
- RHC for a Sustainable Future (<https://www.rhc-platform.org/100rhc-event/>)

Partners will provide updated information about events attendances in the internal and official reports. Clustering activities with other projects will provide more opportunities to participate in dissemination activities.

#### 4.4. Scientific articles in relevant journals and periodicals

Publication of ComBioTES results in relevant scientific and industrial periodicals and journals in Europe will be encouraged during the course of the project.

Examples of journals and publishers, where contributions from ComBioTES partners might be expected (the list is not exhaustive):

- Elsevier (<https://www.elsevier.com/>)
- Energy & Environmental Science (<https://www.rsc.org/journals-books-databases/about-journals/energy-environmental-science/>)
- Journal of Energy and Power Engineering (<http://www.sciencepublishinggroup.com/journal/index?journalid=164>)
- Resource-Efficient Technologies (<https://www.sciencedirect.com/journal/resource-efficient-technologies>)
- Energies (<https://www.mdpi.com/journal/energies>)

## 5. Clustering activities

Clustering activities are essential and strategic for ComBioTES dissemination and will be highly promoted by the consortium. The objectives are to address innovation and exploitation issues in running projects and to explore potential for cross-project clustering.

### 5.1. EU Clustering groups

The consortium plans to participate in clustering meetings organized by the European Commission, both on European and national levels. The different partners of the consortium have sometimes worked together in other projects, which may improve the level of cooperation and the extent of their respective networks, and hence encourage a high participation in clustering events.

One of the dissemination manager's responsibilities will be to monitor and to contribute to necessary information related to policy making (market failure, European benchmark, systemic barriers for better European competitiveness, etc.) towards Project Officers, related to the EU clustering activity. In particular, the consortium activities are expected to be reported to Smart Grids ETIP and other relevant European Technology and Innovation Platforms and similar activities are also planned on national levels. The project will contribute, upon invitation by the INEA, to common information and dissemination activities to increase the visibility and synergies between H2020 supported actions.

Cooperation and synergies with other projects in the fields of energy management and efficient buildings by the European Commission will be used to enforce a rapid exploitation and potential cross-linking of project goals and marketing initiatives. Within this collaboration, organization of joint events is expected as well as sharing important knowledge gained during the projects. To this aim, ongoing projects have been and will be identified by the Consortium and the European Commission and coordinators will be contacted to identify common actions and share ideas on possible cooperation. The representatives of these projects will be invited to workshops and events organised by ComBioTES, and vice-versa. Moreover, policy-structuring meetings will be proactively attended.

### 5.2. Possible sister projects

The term "sister project" refers to projects that are similar in goals or technologies, if possible, at the same stage of development as ComBioTES, with complementary solutions, countries and approaches. The following projects have been identified as interesting for clustering activities:

- **FEVER:** The European Research & Innovation project FEVER aims at demonstrating and implementing solutions that leverage the potential of flexibility in generation, consumption and storage of electricity. With an overall budget of almost 10 million euros, seventeen partners from eight European countries are working together to accelerate the transformation of the energy system. <https://fever-h2020.eu/>
- **TESSe2b:** TESSe2b Project - Thermal Energy Storage Systems for Energy Efficient Buildings is a EC financed H2020 four years project, that develops an integrated solution for residential building energy



storage using solar and geothermal energy, with the purpose of correcting the mismatch that often occurs between the supply and the demand of energy in residential buildings. That is achieved by integrating compact Thermal Energy Storage Tanks with Phase Change Materials (PCM TES) coupled with enhanced Phase Change Materials inside the borehole heat exchangers (BHEs), and using an advanced energy management smart self-learning control system. A demonstration and on-site monitoring evaluation of small scale TESse2b solution in buildings in three pilot sites (Austria, Spain, Cyprus) are being conducted in order to evaluate the system's integration into buildings space, to assess the impact of TESse2b solution in different climates and to provide evidence about its overall technical and economic feasibility. <http://www.tesse2b.eu/>

- **SWSHeating:** The SWS-HEATING project will develop an innovative seasonal thermal energy storage (STES) unit with a novel storage material and creative configuration, i.e. a sorbent material embedded in a compact multi-modular sorption STES unit. This will allow to store and shift the harvested solar energy available abundantly during the summer to the less sunny and colder winter period thus covering a large fraction of heating and domestic hot water demand in buildings. The targeted benefit of this next generation solar heating technology is to reach and overcome a solar fraction of 60% in central/north Europe, reaching 80% in the sunnier south of Europe, with a compact and high-performing STES system at low cost, realising solar-active houses throughout EU. <http://www.swsheating.eu/>
- **Storage4Grid:** Storage4Grid aims at boosting the uptake of storage technologies between the distribution grid level and the end-user level, by developing a novel, holistic methodology for modeling, planning, integrating, operating and evaluating distributed Energy Storage Systems. The Storage4Grid methodology encompasses storage at user premises and storage at substation level, Electrical Vehicles, innovative energy metering and energy routing technologies. <https://www.storage4grid.eu/pages/index.html>
- **Hybrid BioVGE:** The Hybrid – BioVGE project is proposed with the primary objective to develop, design and demonstrate a highly integrated solar/biomass hybrid air conditioning system for space cooling and heating of residential and commercial buildings that is affordable, operating with improved efficiency and with a strong market potential. The developed system will contribute to the improvement of existing technologies from several aspects, including cheaper collector design; targeted thermal energy storage system; compactness; integrated controller for automated and efficient operation; improved reliability and performance; improved monitoring of energy usage; improved scalability. The proposed system will be driven by heat, using two renewable energy resources: solar thermal and biomass. Only a small amount of electricity will be needed for the circulation pumps and the control system (less than 5% of the total needs), thus it is expected that 95% of the building thermal load will be satisfied by renewable energy. It is also expected that the solar fraction for heating will be at least 40% (Central European climate). <https://hybrid-biovgl.inegi.up.pt/page.asp?id=1>
- **Making City:** Coordinated by the CARTIF Foundation, MAKING-CITY is a 60-month Horizon 2020 project launched in December 2018. It aims to address and demonstrate the urban energy system transformation towards smart and low-carbon cities, based on the Positive Energy District (PED) concept. Today cities have an essential role to play in tackling climate change by significantly reducing their carbon emissions. The PED operational models developed in MAKING-CITY will help European and other cities around the world to adopt a long-term City Vision 2050 for energy transition and sustainable urbanisation whilst turning citizens into actors of this transformation. The PED concept will be tested and validated in two Lighthouse cities: Groningen (Netherlands) and Oulu (Finland). It will be then replicated in 6 Follower cities: Bassano del Grappa (Italy), Kadiköy (Turkey), León (Spain), Lublin (Poland), Trenčín (Slovakia), and Vidin (Bulgaria). The technologies selected to be implemented in the project are mature or already on the market. The PED concept appears as a step beyond the current European building regulations by bringing major structural, societal, economical and technological changes in the cities. <https://makingcity.eu/>

## 6. Conclusions

This document summarizes the strategy for disseminating the results of the ComBioTES project and the activities planned to give a high visibility to the project, its achievements and its partners. Thanks to strict rules, adhered by all the partners, applying to the publications of results of all nature, the project will make sure to never jeopardize the potential protection of generated intellectual property and further industrial applications. The Dissemination Leader in cooperation with the Exploitation Manager will follow the approval processes and will act as an internal executive approval body for any dissemination action organized by different partners.

The dissemination activities will be listed in a dedicated register file, distinguishing between events, press & media and scientific publications. The partners of the consortium are free to choose any national or international event, journal or media that complies with the rules set by the EC to disseminate the results. To reach a broader impact, both English versions and translations to other languages are encouraged.

The target audience is defined in the document as well as the corresponding dissemination routes: project website, brochures, multimedia and social media are addressed to the broad public; scientific publications, publications in technology news server and participation to conferences are addressed to the scientific community; workshops, events, press releases and newsletters are addressed to industry, policy-makers, media and stakeholders.

This dissemination plan will serve as a guideline for all the activities related to dissemination throughout the project's lifetime, although updates of some of the information given may occur. The internal and official reports towards the EC will include all the latest developments related to these activities and the plan for the following months. Possible new routes will be further monitored and if found relevant, they could be integrated in the communication, dissemination and exploitation road map.

The following sentence will always be mentioned in all public documents: *This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 864496, project ComBioTES.*

## 7. Degree of progress

The degree of progress for this deliverable is 100%.

## 8. Dissemination level

This Deliverable is public and will be therefore available for downloading on the project's website and on demand.