Project no.: **637268**

Project full title: **Robust Internal Thermal Insulation of Historic Buildings**

Project Acronym: **RIBuild**

Deliverable no.: **D7.4 – D7.6 – D7.7 – D7.10**

Title of the deliverable: **D7.4 Information kit on project results**

D7.6 Report on final conference(s)

D7.7 Report on journals and papers

D7.10 Final press release on the project

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Organisation name of lead contractor for this deliverable	**AAU**
Author(s)	**Maja Skovgaard, Ernst Jan de Place Hansen**
Participants(s)	**AAU**
Work package contributing to the deliverable	**WP7**
Nature	**R**
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Duration of project	**30.06.2020**

Abstract:

This document details four deliverables described in RIBuild WP7 *Communication and dissemination.* It covers deliverables D7.4, D7.6, D7.7 and D7.10. Firstly, the document describes the different material prepared for the info kits. Secondly, it summarizes the different events held to disseminate the major outcome of RIBuild. Thirdly, it summarizes the number of journal and conference papers prepared during the project. Finally it links to the final press release of the project which relates to the overall results from RIBuild and the redesigned website, www.ribuild.eu. Version 2.0 is a revised version handling comments from reviewers.

Keyword list: RIBuild, WP7, communication, info kit, final conferences, journal and conference papers, press release.

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Abbreviations

AAU	Aalborg University, Denmark
D	Deliverable
DTU	Technical University of Denmark
ERIK	ERIK Arkitekter, Denmark
HES-SO	Haute Ecole Spécialisée de Suisse Occidentale, Switzerland
KUL	Katholieke Universiteit Leuven, Belgium
NC	National Contacts
RISE	RISE Research Institutes of Sweden
RTU	Riga Technical University, Latvia
UNIVPM	Università Politecnica delle Marche, Italy
WP	Work Package

1 Executive Summary

RIBuild's communication strategy is based on a network strategy. The idea is to reach the target audiences (practitioners) by communicating through their preferred communication channels. In order to do so, RIBuild WP7 forms a network of communication partnerships with already existing and well-known trade associations, trade media and other networks with an interest in energy efficiency of buildings.

The network mapping and formation was described in a previous deliverable (RIBuild deliverable D7.2-3-9, 2015)). The final press release (D7.10) was prepared especially with the general public and network partners as target groups. Further, info kits (D7.4) were prepared and local events were used (D7.6) to reach the professional practitioners. The international academic world was reached through journal and conference papers (D7.7).

In every case, communication activities were made to disseminate the outcome of the six RIBuild WP's dealing with: The existing historic building stock (WP1), historic building materials, failure modes and water repellent agents (WP2), measurements in case buildings and laboratory test stands (WP3), the development of a probabilistic approach to simulate hygrothermal performance (WP4), the development of a LCA/LCC tool based on a probabilistic approach (WP5) and the RIBuild website, guidelines and insulation calculator tool (WP6).

2 Introduction

This report presents the following four deliverables in WP7:

- D7.4: Information kit on project results
- D7.6: Report on final conference(s)
- D7.7: Report on journals and papers
- D7.10: Final press release on the project

WP7 concerns the project communication and dissemination activities. D7.4 and D7.6 refers to Task 7.1 *Communicating with professional practitioners*, D7.7 refers to Task 7.2 *Spreading results among international academics* and D7.10 refers to Task 7.3 *General project communication*.

D7.4 and D7.6 is described as follows in the Description of Action (AMD-637268-37, 2019):

> *"The project will deliver knowledge to these networks of communication partners, who – on their side – will benefit from communicating useful results to their audiences. One of the measures for this is the production and distribution of information kits including text, illustrations, fact sheets and instructive videos (D7.4). Another measure is to offer the partners relevant lectures at their seminars and conferences. Rather than developing and promoting new media and events dedicated for the project, the project aims to connect with existing media and events arranged by local partners."*
>
> *"The third phase will consist of final communication of the more conclusive results. This phase will end up with (presentations at) local seminars in some partner countries (D7.6) where the conclusive results are presented and discussed"*

D7.7 is described as follows:

> *Results of the project will be spread among all three groups by publishing in scientific journals such as 'Journal of Building Physics', 'Energy and Buildings' and 'Journal of Architecture'. Moreover, results of the project will be presented at international scientific conferences, such as 'Nordic Symposium of Building Physics', 'Durability of Building Materials and Components', CIB W086 Building Pathology (D7.7).*

D7.10 is described as follows:

> *"As part of the general project communication, at least two press releases will be issued: One about the start of the research project and another about the conclusive results (D7.9 and D7.10)."*

Section 2, 3, 4 and 5 presents the results relating to of each of these deliverables.

3 Information kit on project results (D7.4)

Deliverable D7.4 is part of RIBuild task 7.1 about communicating useful results from RIBuild to professional practitioners. One of the measures for this is the production and distribution of information kits including text, illustrations, fact sheets and instructive videos (see AMD-637268-37). In the following, we describe the information kits WP7 has developed.

3.1 Flyers, posters, roll-ups, PowerPoints etc.

The production of information kits has followed the process of the project and results, starting with information kits with general introductions and information about the project, purpose, methods and goals. This included a template for PowerPoint presentation, roll-ups, posters, flyers/fact sheets for printing, which were available for partners – and in some cases tailored for partners on their request. Later, flyers and posters for specific purposes were produced, e.g. for the Fair of European Innovators in Cultural Heritage", EU event, Brussels, 15-16 Nov 2018, as shown in Appendix 3. These types of information kits were used at seminars, conferences and the like. They were available for the partners at the project SharePoint site and some were also public available for download on the first version of www.ribuild.eu, active during the project period; see example in Figure 1. Further examples are shown in Appendix 3. Those still relevant at the closure of the project are placed at www.ribuild.eu/knowledge-base/.

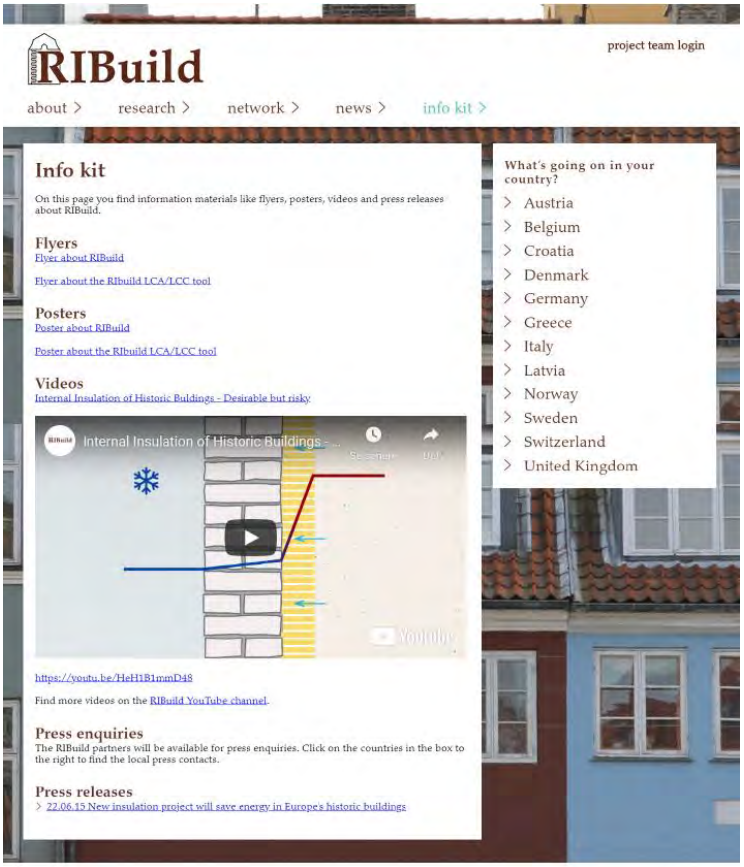


Figure 1: Info-kit from RIBuild website. Screen dump from the previous version of the website active during the project lifetime (2015-2020).

In the final part of the RIBuild project, when redesigning the RIBuild website to focus on the RIBuild guidelines, an information folder was produced, shown at Figure 2 located at https://www.ribuild.eu/knowledge-base/#downloads, scroll down to 'Flyers'. No further specific info material was prepared at the end of the project, as the redesigned website (Figure 3) in itself was regarded as the final info kit, accessible from a pc or a mobile phone. Therefore, future promotion of results from RIBuild will refer to www.ribuild.eu.

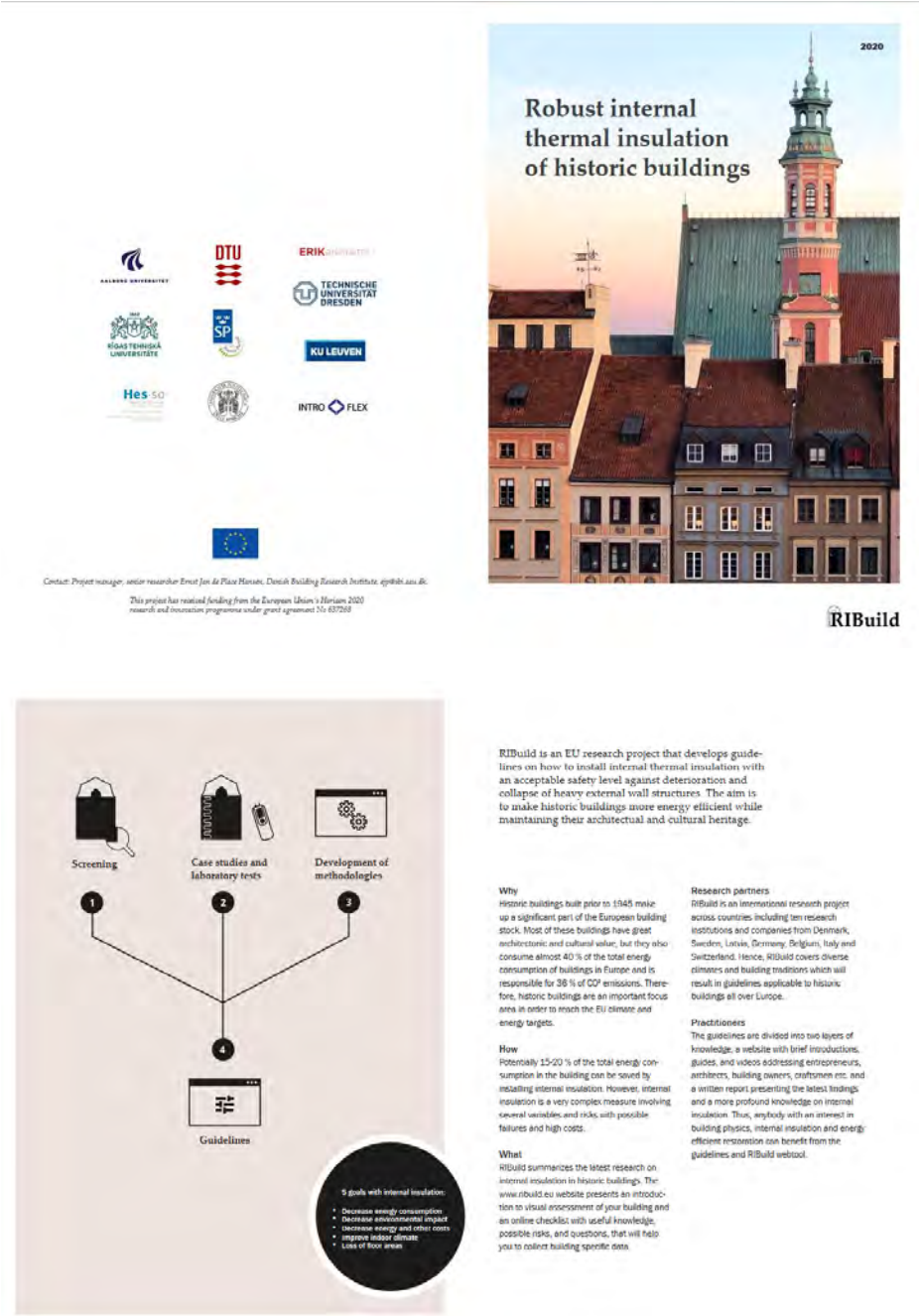


Figure 2: Screen dump of information folder available from** www.ribuild.eu/knowledge-base/#downloads**, prepared in parallel with redesigning the website to focus on the RIBuild guidelines.

Further material is expected to be produced as part of a planned cooperation between AAU, DTU, ERIK and UNIVPM about updating the website and the tools included, cf. (RIBuild Deliverable D7.12, 2020).

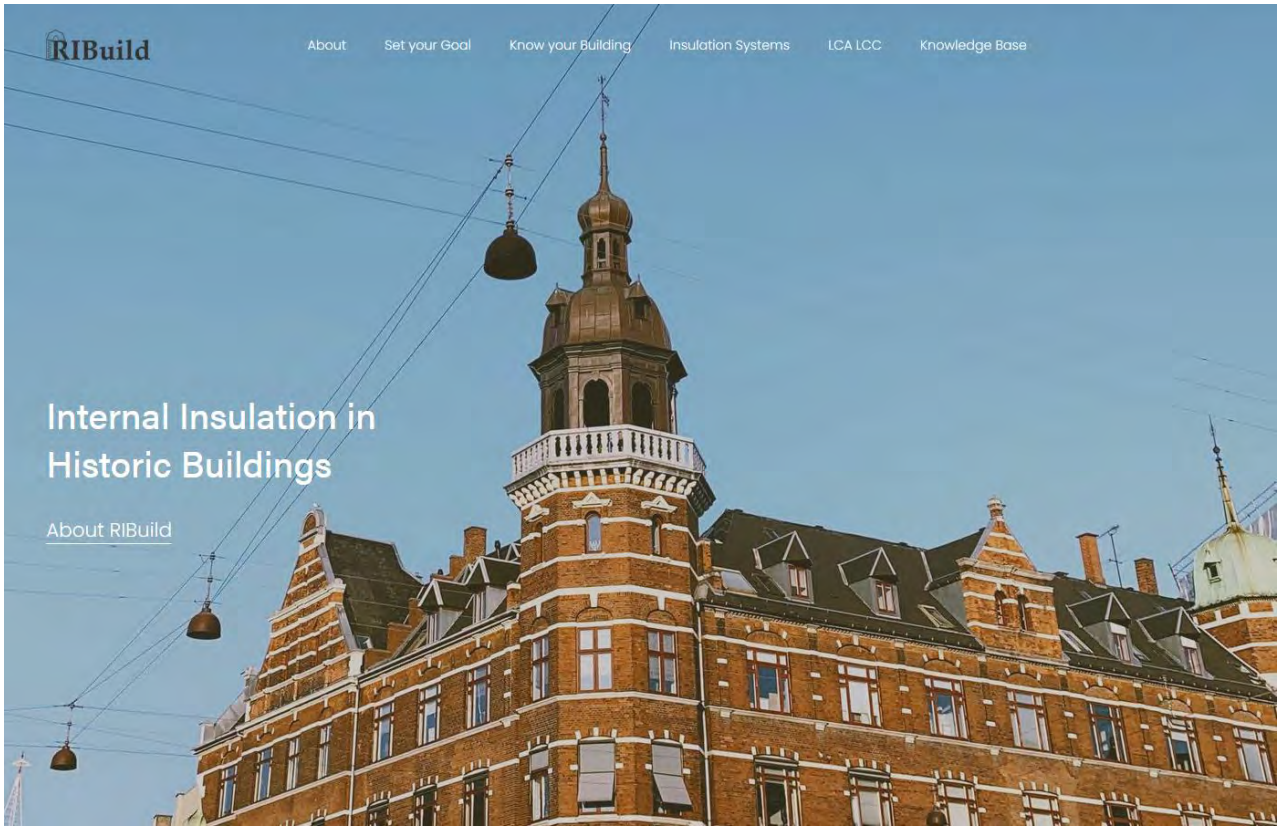


Figure 3: Redesigned RIBuild website, launched in June 2020. www.ribuild.eu

3.2 Videos and animation films

WP7 produced a number of videos with information about the project and results. In the following, we go through the different videos, all available at the RIBuild YouTube channel https://www.youtube.com/channel/UCoeVS0c7ySEuL00LVdFMeWA. Some of them are also available at www.ribuild.eu.

In 2016, we shot short video interviews with speakers at the first seminar, who summed up the relevance and importance of internal insulations of historic buildings as well as the risks.

Later, as more results came by, we produced seven videos with interviews and stories about results from RIBuild told by the researchers, for example on material testing, LCA/LCC, two case studies and probabilistic risk assessment for internal insulation.

- Probabilistic risk assessment for internal insulation (referring to WP4)
- Internal Insulation of an Old Farmhouse in Denmark (referring to WP3)
- Life Cycle Assessment of Internal Insulation - a short software demo (referring to WP5)
- DIY Testing of Bricks (referring to WP2)
- Testing Bricks in the Lab (referring to WP2 and WP3)
- The Importance Of Material Testing (referring to WP2 and WP6))

- Testing Internal Insulation In Practice (referring to WP3)

Moreover, WP7 produced six short animation films (2-4 minutes) which in an illustrative way explain the benefits, the risks, how to prepare for internal insulation, materials for internal insulation and a presentation of the RIBuild guidelines. Here, you see a list of the titles of the animation films:

- "Internal insulation in historic buildings – desirable but risky"
- "The benefits of internal insulation"
- "The risks of internal insulation"
- "Know your building before insulating"
- "Insulation materials for internal insulation"
- "The RIBuild guidelines"

3.3 Dissemination

All videos and animations were uploaded on RIBuild's YouTube channel and distributed on the new RIBuild website with guidelines and in the RIBuild newsletter, which at the end of the project have about 450 subscribers, of which 110 are located in Denmark, 95 subscribers are registered with g-mail addresses or similar (could be located anywhere), and the remaining 245 comes from 18 different countries, most from Italy (38), Belgium, Latvia, Switzerland, UK and Germany, but also e.g. Turkey, Croatia, Norway, USA and Iran. Furthermore, the videos were published on RIBuild's accounts on LinkedIn.

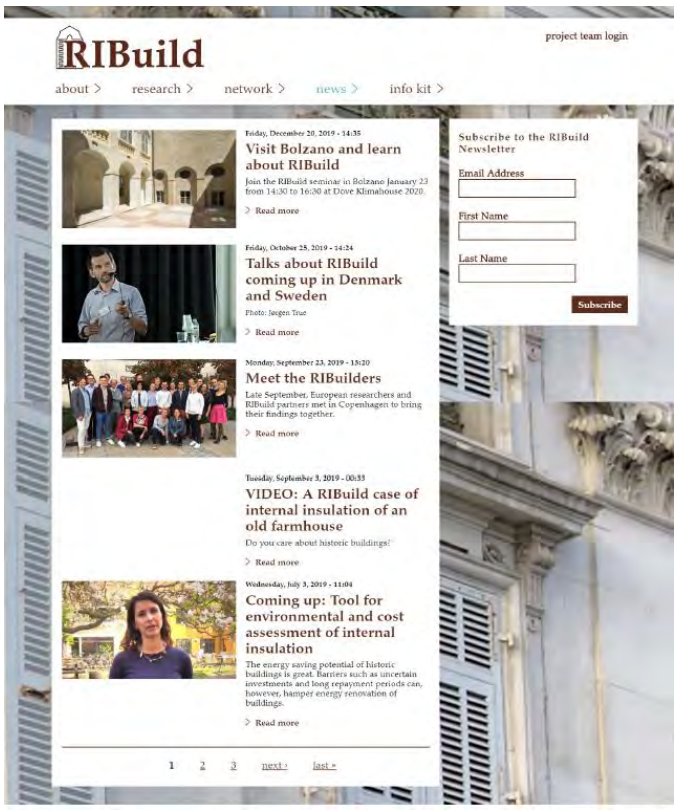
Here, you see a list of the RIBuild newsletters/news:

- Dec 2015: Invitation to the first seminar
- Feb 2016: Presentations and videos from RIBuild seminar
- Apr 2016: Invitation to participation in survey about internal insulation
- Nov 2017: Advisory board will comment on RIBuild results
- June 2018: Two videos: Status from project manager and presentation of case study
- Nov 2018: Meet RIBuild at Fair of Cultural Heritage in Brussels, 15-16 November
- Dec 2018: Video: "Know your wall before installing insulation"
- Jan 2019: Video: "Internal insulation in historic buildings – desirable but risky"
- Mar 2019: Three videos: "Know your wall before installing internal insulation" and "DIY testing of bricks" and "Testing bricks in the lab"
- July 2019: Video: LCA/LCC-tool
- Sep 2019: Video: A RIBuild case of internal insulation of an old farmhouse
- Sep 2019: Meet the RIBuilders. Status on the progress of the project
- June 2020: Press release: New findings on how to save energy in Europe's historic buildings

Some examples are shown as screen dumps in Figure 4 and Figure 5.

The actual dissemination deviates slightly from the original plan described in (AMD-637268-37, 2019), although the number of news is as planned. Due to the delay of the guidelines and the web tool which were regarded as the most interesting output for the building practitioners, the newsletters for practitioners planned for May and Aug 2019 according to (AMD-637268-37, 2019) were not produced. Instead, it was decided to let videos be the main way of communicating with the building

professionals as this was regarded as having more impact than written newsletters. Because of the extension of the project, the final newsletter and videos were not published until June 2020. This was coordinated with the launch of the new website with guidelines in order to promote the new website. Future plans of promoting RIBuild are described in (RIBuild Deliverable D7.12, 2020).



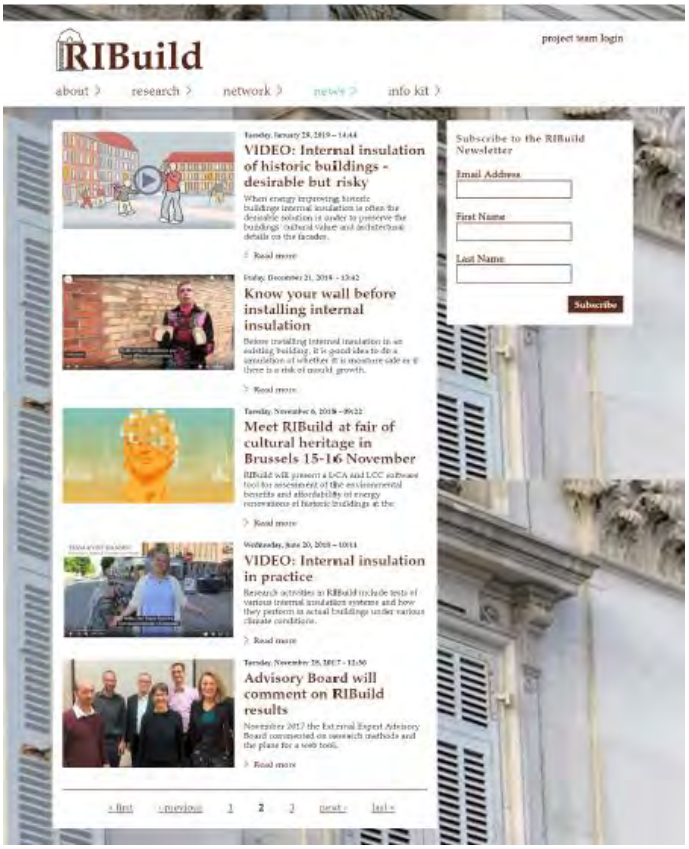


Figure 4: Examples of newsletters, published at the original version of the RIBuild website, active during the project's lifetime (2015-2020).

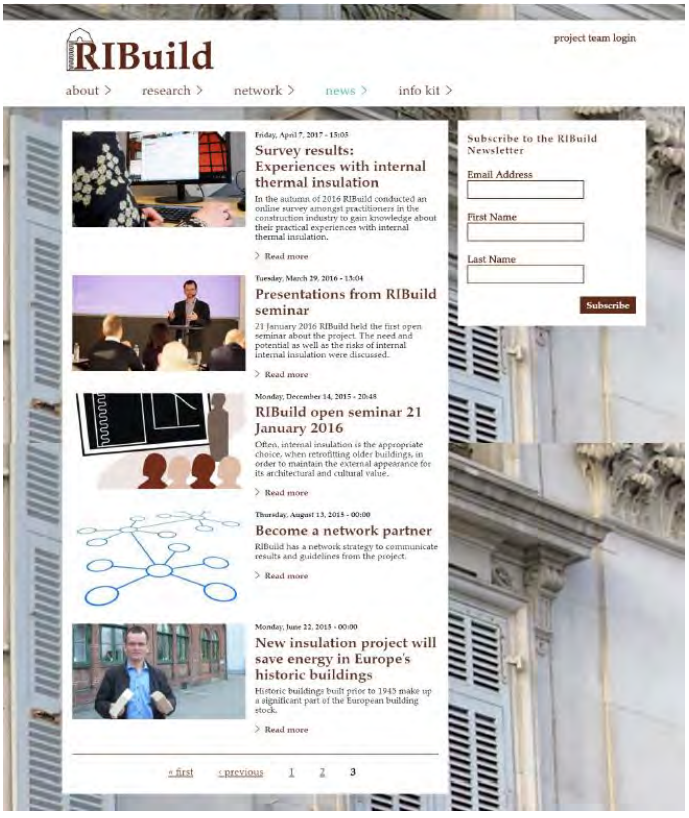


Figure 5: Examples of newsletters, published at the original version of the RIBuild website, active during the project's lifetime (2015-2020) (ctd.).

4 Report on final conference(s) (D7.6)

Deliverable D7.6 is part of RIBuild task 7.1 about communicating useful results from RIBuild to professional practitioners. According to (AMD-637268-37, 2019) the consortium partners were to take part in local seminars in at least three partner countries at the end of the project to spread results from the project among professional practitioners. The seminars were to be arranged in conjunction with relevant conferences, if feasible. This goal has been achieved, since RIBuild partners have participated in seven conferences and seminars at the end of the project in four countries:

- 3 Oct 2019: Renovation Day at SBi/AAU, Copenhagen, Denmark
- 16 Oct 2019: European Congress on the Use, Management and Conservation of Buildings of Historic Value, Vienna, Austria
- 30-31 Oct 2019: Building Green 2019, Copenhagen, Denmark
- 14 Nov 2019: European Council for Construction Research, Development and Innovation (ECCREDI), Brussels
- 28 Nov 2019: Fuktcentrums Informationsdag Lund, Sweden
- 23 Jan 2020: National closing seminar of the RIBuild project, Klimahouse 2020, Bolzano, Italy
- 6 Mar 2020: BYG-ERFA seminar on durability, Copenhagen, Denmark

Swedish and Danish partners planned to participate at 'Fuktcentrum Informationsdag' 25 March 2020 in Göteborg, Sweden, but the conference was cancelled due to the coronavirus pandemic.

Presence at local seminars has continued after the project period, for instance:

- 16 Sep 2020: Building Physics Day, Copenhagen, Denmark
- 24 Nov 2020: Energy Efficiency Technical Solutions. New Perspectives, Riga, Latvia
- 27 Nov 2020: Energy to stimulate cooperation between faculties and researchers, Riga, Latvia

The seminars: Topics and participants
In the following, we introduce each seminar in order to give an overview of the addressed topics and the participants. Common for all seminars is that they all target professional practitioners of the construction industry: engineers, architects, building owners, facility managers etc.

In general, the audience was very interested in the project, and specifically in the guidelines that were seen as a step of progress towards more (correct) use of internal insulation. There were also questions about the afterlife of the website and web tool, as the audience highlighted the importance of it being kept, at least for a couple years.

Although the seminars did not cover all RIBuild countries, it was possible by giving presentations at national – and in two cases international – events to get in contact with building professionals (consultants, contractors, facility managers etc.) from a number of countries. The exact impact remains to be seen, as the guidelines and the website were not operational when the events to place (although the draft versions shown were quite close the final ones), but interest at the different events indicated that the impact would be high. Another outcome is the increased number of recipient of the newsletter from BUILD (AAU).

3 Oct 2019, Renovation Day at SBi/AAU, Copenhagen, Denmark

This was the first time that the Renovation Day was held, and in took place in conjunction with a presentation of the winner of the Danish Renover-prisen (Renovation Award). The Renovation Day focused on present knowledge, challenges and solutions regarding building renovation, and included best-practice from the building sector.

Presentation of RIBuild and RIBuild guidelines by Ernst Jan de Place Hansen, AAU.

The Renovation Day had 52 attendees from Denmark: Researchers, architects, engineers, facility managers, etc.

https://www.renoveringsdag.dk/ (in Danish)

16 Oct 2019, European Congress on the Use, Management and Conservation of Buildings of Historic Value, Vienna, Austria

Presentation of RIBuild and RIBuild guidelines by Ernst Jan de Place, AAU.

About 20 attendees at the presentation, which was part of a session on Deep Renovation, also presenting IEA Task 59. The conference was dominated by Austrian attendees, many from the building and/or conservation sector, but did also attract attendees from a number of European and other countries (https://www.burghauptmannschaft-kongress.at/en/Programm)

30-31 Oct 2019, Building Green 2019, Copenhagen
A fair with more than 5000 visitors in two days. RIBuild was present with a stand with videos and posters.

Many visitors (estimated 150-200) came along the stand covering all kind of background. It included

- house owners asking whether we could guide them on what to do with their house
- professionals showing interest in the guidelines that we are busy preparing
- professionals interested in the different types of insulation systems (capillary active …)
- students interested in insulation materials in general and curious about the effect of hydrophobization
- professionals wanting to be confirmed that adding internal insulation is risky business or do not want to use vapour barriers

About 40 of the visitors signed for newsletters.

Visitors had no idea of hydrophobization, how it works, how long it lasts, that it can be combined with internal insulation, whether it changes appearance, that it can lead to energy savings, accessibility of products.

As part of the fair, the RIBuild project and guidelines were presented at the Specialist Talk stream 31 Oct 2019 (see Appendix 4) by Ernst Jan de Place Hansen. About 20 attendees.

14 Nov 2019 European Council for Construction Research, Development and Innovation (ECCREDI), Brussels

RIBuild was invited to do a presentation at ECCREDI Council meeting. Ernst Jan de Place Hansen presented the RIBuild project and the RIBuild guidelines.

About 20 attendees from the ECCREDI Council.

28 Nov 2019 Fuktcentrums Informationsdag Lund, Sweden

Two presentations of RIBuild were included by Eva Møller (DTU, former AAU), and Lukas Lång (RISE). The first one introducing the project and the website and the second one focusing on the web-based assessment tool.

91 registered attendees. Mainly professionals from the Swedish Building Sector (consultants, contractors, researchers, building investigators etc.)

http://www.fuktcentrum.lth.se/verktyg-och-hjaelpmedel/fraan-informationsdagarna/2019-tema-fuktsaekerhet-i-alla-skeden-lund/ (in Swedish)

23 Jan 2020: National closing seminar of the RIBuild project, Klimahouse 2020, Bolzano, Italy

Marco D'Orazio, Elisa Di Giuseppe and Andrea Gianangeli (UNIVPM) presented the RIBuild project and the RIBuild guidelines. 20-30 attendees.

https://www.fierabolzano.it/it/klimahouse/calendario-eventi

6 Mar 2020: BYG-ERFA Seminar, Copenhagen, Denmark

Presentation about RIBuild results and the RIBuild website, including the guidelines.

75 attendees, covering different kind of building professionals from Denmark, especially architects.

https://byg-erfa.dk/erfaringsseminar08032020

16 Sep 2020: Building Physics Day, Copenhagen, Denmark

Two presentations about RIBuild results, the RIBuild website and guidelines (final version), and case studies in Danish.

About 100 attendees (physically or on-line) covering researchers and building professionals, mainly from Denmark. https://www.aau.dk/arrangementer/vis/bygningsfysikdag-2020.cid408869
24 Nov 2020: Energy Efficiency Technical Solutions. New Perspectives, Riga, Latvia Presentation about RIBuild results, website and guidelines (in Latvian). About 70 attendees (on-line) representing building professionals, academics etc. https://videszinatne.rtu.lv/panakumi-ribuild-projekta/
27 Nov 2020: Energy to stimulate cooperation between faculties and researchers Presentation about RIBuild results, website and guidelines (in Latvian). About 30 attendees, representing researcher and academic staff at RTU Faculty of Architecture and Faculty of Construction Engineering, also working as building professionals outside the university. https://videszinatne.rtu.lv/eku-ee-risinajumi/

A list of communication activities during the project period is included as Appendix 2. It shows that more than 50 different activities has taken place, including interviews for radio and magazines/journals, exhibition stands and posters at fairs and seminars, presentation at conferences and workshops, etc., ensuring that results and news from RIBuild have reached a wide audience. And even more activities has taken and will take place, as the overview in Appendix 2 is not complete regarding presentations of papers at conferences (see Appendix 1 for an overview of journal and conference papers).

5 Report on journals and papers (D7.7)

Deliverable D7.7 is part of RIBuild task 7.2 about spreading results from RIBuild among international academics. According to (AMD-637268-37, 2019), the consortium aimed at producing more than 20 journal and conference papers throughout the project lifetime (2015-2020). The full list of papers and theses is enclosed as Appendix 1, and it shows that the goal has been overwhelmingly achieved. At present (November 2020), in total 79 papers, reports and theses have been published, and additional 10 papers and these are expected to be published in 2020 (or 2021). With exception of a few publications, they are all Open Access or – for those not published yet – will be Open Access. In some cases, a login in required to get access.

Table 1 shows how the number of publications has developed from the first year of the project (2015) and onwards. As expected, the number has increased each year. In 2020, most papers have not been published yet, partly due to a conference with eight contributions from RIBuild, delayed until after RIBuild has finished, due to the coronavirus pandemic. It was expected – and is quite normal – that many papers would be published after the closure of the project, as the research has to be concluded before submitting the papers, and obviously the review process takes time.

Table 1 also shows that RIBuild has been represented at several conferences each year, except for 2015. This ensures that many researchers within building physics and neighbouring research areas are aware of the results from RIBuild. Finally, it shows that also PhD students are part of the RIBuild project, which is important, as they will then have contacts in different countries for their future careers as researchers.

All the research institutions have been active in writing papers, according to their tasks in the different WP's. Details can be found in Appendix 1.

Table 1: Number of journal and conference papers, reports and theses published or to be published as part of RIBuild.

Year of publication	Journal papers + Conference papers in Journal	Conference papers	Reports	PhD- + MSc-theses
2015	-	-	-	-
2016	0 + 2	4	1	-
2017	2 + 3	6	-	0 + 1
2018	4 + 1	10	-	0 + 1
2019	10 + 1	12	-	1 + 5
2020 (published)	6	8	-	1
2020/2021 (submitted / in review)	8	-	-	2

6 Final press release on the project (D7.10)

Deliverable D7.10 is part of the project task 7.3 about general project communication from RIBuild. A final press release in English was prepared at the end of the project.

6.1 Press release in English

The final press release has been used to present the major RIBuild results. It explains how RIBuild has sought to solve the dilemma of having to choose between either the need to care for heritage values or the necessity to bring down energy consumption and CO_2 emissions. It explains how the guidelines make it possible to decide whether a building is suitable for internal insulation or not and the risks related to applying internal insulation and how the redesigned website is made to present all the research from the project. It also highlights the fact that the guidelines and the website are prepared to be used by different target groups from non-professional building owners to researchers. Finally. it includes some facts about RIBuild and contact information to each of the RIBuild partners.

The press release is available at https://via.ritzau.dk/pressemeddelelse/new-findings-on-how-to-save-energy-in-europes-historic-buildings?publisherId=8155951&releaseId=13596603
and
https://www.en.cph.aau.dk/news/show-news/new-findings-on-how-to-save-energy-in-europe-s-historic-buildings.cid476396

After launching the redesigned website www.ribuild.eu in June 2020, there has been more than 3000 visitors per 1 Nov 2020, with most visitors coming from UK, Denmark, Norway, USA and Italy. Also many visitors from Belgium, Ireland, France, Croatia and China.

After the project period, the press release has been published at the RIBuild LinkedIn group at https://www.linkedin.com/groups/8292599/

Further, the press release in was sent to the almost 450 subscribers of RIBuild newsletters (organisations, companies, authorities, private persons, etc.) (Section 3.3).

6.2 Press releases in national languages

The press release has been sent to the NCs (one in each partner country). The NCs were asked to translate and distribute the press release. Also, they have been asked to distribute the press release to the communication departments in each of their organisations for further dissemination. However, this was not carried out during summer 2020, probably as it collided with summer holidays and the preparation of the final review report. Later, problems with accessibility for a number of weeks to the RIBuild web tool (server problems) made some partners wait until November before disseminating the press release nationally, e.g. Italy, Latvia and Switzerland.

In Italy, the press release was translated into Italian and distributed to about 25 network partners, mainly organisations, knowledge network and trade media for building professionals, listed in Section 6.4 in (RIBuild deliverable D7.2-3-9, 2015). According to the Italian partner, the press release uploaded at homepage of Ingenio (an Italian trade media), https://www.ingenio-web.it/29076-rendere-piu-efficienti-gli-edifici-storici-una-linea-guida-fornisce-soluzioni-con-sistemi-a-cappotto-interno, resulted in almost 2200 visits within 1½ day (!) (25-27 Nov 2020).

The Latvian partner will send the press release translated into Latvian to the partners listed in Section 6.5 in (RIBuild deliverable D7.2-3-9, 2015). Further dissemination activities will take place early 2021, involving the web tool.

The Swiss partner will increase dissemination when a report to their funding agency is finished (Jan 2021 at latest), including examples of using the RIBuild web tool. The Swiss partner received no funding from EU. This involves network partners listed in Section 6.7 in (RIBuild deliverable D7.2-3-9, 2015).

A Danish press release was published 30 June 2020 at https://www.build.aau.dk/Nyheder/nyhed/ny-viden-om-efterisolering-af-historiske-bygninger.cid475139. A number of Danish media has placed the press release on their website as well, e.g.

- Dagens Byggeri at http://www.dagensbyggeri.dk/artikel/111295-ny-viden-om-efterisolering-af-historiske-bygninger
- Energiforum Danmark at https://www.build.aau.dk/Nyheder/nyhed/ny-viden-om-efterisolering-af-historiske-bygninger.cid475139.

Dagens Byggeri is a Danish media presenting news on construction, architecture, renovation etc., especially focusing on contractors. Energiforum Danmark is a Danish network organisation with many kind of members focusing on energy and buildings (more than 1200 members).

Further is was posted at SBi LinkedIn group at https://www.linkedin.com/company/statens-byggeforskningsinstitut-aalborg-universitet/. This group has almost 9000 followers. The press release was also posted at the Facebook profile for the AAU Alumni Association at https://www.facebook.com/144484362228282/posts/et-stort-eu-projekt-ribuild-under-ledelse-af-build-aalborg-universitet-har-under/3383505474992805/

References

AMD-637268-37 (2019). AMENDMENT Reference No AMD-637268-37. Grant Agreement number: 637268 — Robust Internal Thermal Insulation of Historic Buildings (RIBuild). Annex 1 (Part A).

RIBuild Deliverable D7.2-3-9 (2015). *D7.2 Mapping of networks, D7.3 Formation of network partnerships, D7.9 First press release of the project*. Accessible at www.ribuild.eu

RIBuild Deliverable D7.12 (2020). *D7.12 Dissemination and exploitation plan – final.* Accessible at www.ribuild.eu

Appendix 1: List of scientific publications

The publications are listed after year of publication. For each year, they are listed in this order: Journal papers, conferences papers in journals, conference papers, conference papers in printed proceedings, reports, ph.d.-theses, master theses. A list can also be found at www.ribuild.eu/knowledge-base (fewer details included).

No.	Type	Title	DOI	ISSN or eSSN	Author(s)	Title of the journal or equivalent	Volume (issue)	Publisher	Place of publication	Year of publication	Pages	Peer-review	Open Access
1	Conference paper published in Journal	A Review on Latvian Historical Building Stock with Heavy Walls	https://doi.org/10.1016/j.egypro.2016.09.004	ISSN 1876-6102	Blumberga, A., Kašs, K., Kamendere, E.	Energy Procedia Presented at the International Scientific Conference "Environmental and Climate Technologies", CONECT 2015. Riga, Latvia, 14-16 Oct 2015	95	Elsevier B.V.	Amsterdam, The Netherlands	September 2016	17-21	Yes	Yes
2	Conference paper published in Journal	Properties of Bricks and Masonry of Historical Buildings as a Background for Safe Renovation Measures	https://doi.org/10.1016/j.egypro.2016.09.032	ISSN 1876-6102	Kamendere, E., Grava, L., Zvaigznitis, K., Kamenders, A., Blumberga A.		95	Elsevier B.V.	Amsterdam, The Netherlands	September 2016	119-123	Yes	Yes
3	Conference paper	A lime based mortar for thermal insulation of medieval church vaults	https://orbit.dtu.dk/en/publications/a-lime-based-mortar-for-thermal-insulation-of-medieval-church-vau-2	ISBN 978-960-99922-3-7	Hansen, T. K., Klenz Larsen, P.; Kielsgaard Hansen, K., Bjarløv, S. P., Peuhkuri, R.	Proceedings of the 4th Historic Mortars Conference HMC 2016		Laboratory of Building Materials, Department of Civil Engineering, Aristotle University of Thessaloniki	Thessaloniki, Greece	2016	349-357	Yes	Yes
4	Conference paper	Moisture transport properties of brick – Comparison of exposed, impregnated and rendered brick	http://orbit.dtu.dk/ws/files/128040737/Pages_from_Moisture_conf_proceedings_3.pdf	ISBN 978-2-35158-178-0 eISBN 978-2-35158-179-7	Hansen, T.K., Bjarløv, S. P., Peuhkuri, R.	Proceedings of the International RILEM Conference - Materials, Systems and Structures in Civil Engineering 2016		RILEM Publications S.A.R.L.	Paris, France	August 2016	351-360	Yes	Yes

No.	Type	Title	DOI	ISSN or eSSN	Author(s)	Title of the journal or equivalent	Volume (issue)	Publisher	Place of publication	Year of publication	Pages	Peer-review	Open Access
5	Conference paper (printed proceedings)	Development of a probabilistic methodology for LCC assessments of building retrofit measures *(in Italian and English)*	doi.org/10.5281/zenodo.3967139	ISBN 978-88-492-3311-7	Di Giuseppe, E., Iannaccone, M., Telloni, M., Quagliarini, E., D'Orazio, M.,	Colloqui.AT.e 2016. MATER(i)A Materials Architecture Technology Energy/Environment Reuse (Interdisciplinary) Adaptability		Gangemi Editore SpA	Rome, Italy	2016	289-298	Yes	Yes (author version)
6	Conference paper (printed proceedings)	Decay of wooden beams in historical buildings: effects of capillary active insulation for the energy retrofit *(in Italian and English)*	doi.org/10.5281/zenodo.3967432		Gianangeli, A., Cozzolino, N., Ippoliti, E., Di Giuseppe, E., D'Orazio, M.						69-78	Yes	Yes (author version)
7	Report	EnOB – Energetisches Bewertungsverfahren für Bestandsgebäude mit Holzbalkendecken (Abschlussbericht)	https://doi.org/10.2314/GBV:890872015		Ruisinger, U., Stöcker, E., Freudenberg, P. et al.	TUD, BTU, IBP. gefördert durch das Bundesministerium für Wirtschaft und Energie.		Forschungs-zentrum Jülich	Jülich, Germany	2016			Yes
8	Journal paper	Thermal performance of internally insulated historic brick building in cold climate: A long term case study	https://doi.org/10.1016/j.enbuild.2017.07.082	ISSN 0378-7788	Biseniece E., Zogla G., Kamender A., Purvins R., Kass K., Vanaga R., Blumberga A.	Energy and Buildings	152	Elsevier B.V.	Amsterdam, The Netherlands	1 October 2017	577-586	Yes	Yes
9	Journal paper	Internal insulation solutions for a historic building renovation: a probabilistic approach for the affordability assessment	https://doi.org/10.17410/tema.v3i1.128	eISSN 2421-4574	Di Giuseppe, E., Iannaccone, M., Quagliarini, E., D'Orazio, M.	Tema: Technology, Engineering, Materials and Architecture	3(1)	Ar.Tec. c/o DICEA, Università Politecnica delle Marche	Ancona, Italy	July 2017	53-64	Yes	Yes

No.	Type	Title	DOI	ISSN or eSSN	Author(s)	Title of the journal or equivalent	Volume (issue)	Publisher	Place of publication	Year of publication	Pages	Peer-review	Open Access
10	Conference paper published in Journal	Pre-assessment Method for Historic Building Stock Renovation Evaluation	https://doi.org/10.1016/j.egypro.2017.04.004	ISSN 1876-6102	Kass, K., Blumberga, A., Blumberga, D., Zogla, G., Kamenders, A., Kamendere, E.	Energy Procedia Presented at the International Scientific Conference "Environmental and Climate Technologies", CONECT 2015. Riga, Latvia, 12-14 Oct 2016	113	Elsevier B.V.	Amsterdam, The Netherlands	May 2017	346-353	Yes	Yes
11	Conference paper published in Journal	Laboratory Investigation of Latvian Historic Brick and Measurements of Water Movement in Historic Masonry Walls	https://doi.org/10.1016/j.egypro.2017.04.073	ISSN 1876-6102	Purvins R., Biseniece E., Blumberga A.		113	Elsevier B.V.	Amsterdam, The Netherlands	May 2017	327-332	Yes	Yes
12	Conference paper published in Journal	Towards a probabilistic approach in LCA of building retrofit measures	https://doi.org/10.1016/j.egypro.2017.09.584	ISSN 1876-6102	Favi, C., Meo, I., Di Giuseppe, E., Iannaccone, M., D'Orazio, M., Germani, M.	Energy Procedia Presented at the 9th International Conference on Sustainability in Energy and Buildings, SEB-17, Chania, Crete, Greece, 5-7 July 2017	134	Elsevier B.V.	Amsterdam, The Netherlands	October 2017	394-403	Yes	Yes
13	Conference paper	Improving the energy performance of historic buildings with architectural and cultural value		ISBN 978-975561479-3	de Place Hansen, E. J.	Interdisciplinary Perspective for Future Building Envelopes: 8th International Conference on Building Envelope Systems and Technologies, ICBEST 2017, Istanbul, Turkey		Istanbul Technical University	Istanbul, Turkey	2017	648-658	Yes	No
14	Conference paper	Wall hydrophobization and internal insulation: the impact of impregnation strength and depth on moisture levels and moisture damages	http://www.hydrophobe.org/pdf/hongkong/C-1-1.pdf		Metavitsiadis, V., Soulios, V., Janssen, H., Roels, S.	The 8th International Conference on Water Repellent Treatment and Protective Surface Technology for Building Materials (Hydrophobe VIII)		Hydrophobe Steering Committee	Hongkong	2017		Yes	Yes

No.	Type	Title	DOI	ISSN or eSSN	Author(s)	Title of the journal or equivalent	Volume (issue)	Publisher	Place of publication	Year of publication	Pages	Peer-review	Open Access
15	Conference paper	Material characterization models and test methods for historic building materials	https://doi.org/10.1016/j.egypro.2017.09.738	ISSN 1876-6102	Hansen, T. K., Peuhkuri, R., Møller, E. B., Bjarløv, S. P., Odgaard, T.	Energy Procedia 11th Nordic Symposium on Building Physics (NSB2017), Trondheim, Norway, 11-14 June 2017	132	Elsevier B.V.	Amsterdam, The Netherlands	October 2017	315-320	Yes	Yes
16	Conference paper	Quasi-Monte-Carlo-based probabilistic assessment of wall heat loss	https://doi.org/10.1016/j.egypro.2017.10.010	ISSN 1876-6102	Hou, T., Nuyens, D., Roels, S., Janssen, H.	Energy Procedia NSB2017	132	Elsevier B.V.	Amsterdam, The Netherlands	October 2017	705-710	Yes	Yes
17	Conference paper	A simplified dynamic zone model for a probabilistic assessment of hygrothermal risks in building components	https://doi.org/10.1016/j.egypro.2017.10.012	ISSN 1876-6102	Tijskens, A., Janssen, H., Roels, S.	Energy Procedia NSB2017	132	Elsevier B.V.	Amsterdam, The Netherlands	October 2017	717-722	Yes	Yes
18	Conference paper	Calibration of Hygrothermal Simulations by the Help of a Generic Optimization Tool	https://doi.org/10.1016/j.egypro.2017.09.645	ISSN 1876-6102	Freudenberg, P., Ruisinger, U., Stöcker, E.	Energy Procedia NSB2017	132	Elsevier B.V.	Amsterdam, The Netherlands	October 2017	405-410	Yes	Yes
19	M.Sc. Thesis	Een probabilistische analyse van het energetisch besparingspotentieel bij de toepassing van binnenisolatie	Electronic version available through KU Leuven library		Verstraeten, J.			KU Leuven, Department of Civil Engineering	Leuven, Belgium	2017			Yes (login required)
20	Journal paper	Building Retrofit Measures and Design: A Probabilistic Approach for LCA	https://doi.org/10.3390/su10103655	eISSN 2071-1050	Favi, C., Di Giuseppe, E., D'Orazio, M., Rossi, M., Germani, M.	Sustainability	10	MDPI	Basel, Switzerland	12 October 2018	3655	Yes	Yes

	Type	Title	DOI	ISSN or eSSN	Author(s)	Title of the journal or equivalent	Volume (issue)	Publisher	Place of publication	Year of publication	Pages	Peer-review	Open Access
21	Journal Paper	Long term in situ measurements of hygrothermal conditions at critical points in four cases of internally insulated historic solid masonry walls	https://doi.org/10.1016/j.enbuild.2018.05.001	ISSN 0378-7788	Hansen, T.K., Bjarløv, S. P., Peuhkuri, R., Harrestrup, M.	Energy and Buildings	172	Elsevier B.V.	Amsterdam, The Netherlands	1 August 2018	235-248	Yes	Yes
22	Journal Paper	Performance of hydrophobized historic solid masonry – Experimental approach	https://doi.org/10.1016/j.conbuildmat.2018.08.145	ISSN 0950-0618	Hansen, T.K., Bjarløv, S. P., Peuhkuri, R., Hansen, K. K.	Construction and Building Materials	188	Elsevier B.V.	Amsterdam, The Netherlands	10 November 2018	695-708	Yes	Yes
23	Journal Paper	Study of Hygrothermal Processes in External Walls with Internal Insulation	https://doi.org/10.1515/rtuect-2018-0002	ISSN 2255-8837	Biseniece, E., Freimanis, R., Purvins, R., Gravelsins, A., Pumpurs, A., Blumberga, A.	Environmental and Climate Technologies	22(1)	Sciendo / De Gruyter Poland	Warsaw, Poland	27 March 2018	22-41	Yes	Yes
24	Conference paper published in Journal	A probabilistic tool for evaluating the effectiveness of financial measures to support the energy improvements of existing buildings	https://doi.org/10.1088/1757-899X/415/1/012003	eISSN 1757-899X ISSN 1757-8981	D'Orazio, M., Di Giuseppe, E., Esposti, R., Coderoni, S., Baldoni, E.	IOP Conf. Series: Materials Science and Engineering Presented at the XIII International Research-Technical Conference ENERGODOM 2018. Cracow, Poland, 11-13 Sep 2018	415	IOP Publishing Ltd	Bristol, United Kingdom	2018	012203	Yes	Yes

No.	Type	Title	DOI	ISSN or eSSN	Author(s)	Title of the journal or equivalent	Volume (issue)	Publisher	Place of publication	Year of publication	Pages	Peer-review	Open Access
25	Conference paper	Energy savings due to internal façade insulation in historic buildings	http://eehb2018.com/wp-content/uploads/2018/09/Conference-Report-The-3rd-International-Conference-on-Energy-Efficiency-in-Historic-Buildings.pdf	ISBN 978-91-519-0838-0	de Place Hansen, E. J., Wittchen, K. B.	3rd International Conference on Energy Efficiency in Historic Buildings, 26-27 Sep 2018, Visby, Sweden		Uppsala University, Department of Art History	Visby, Sweden	2018	22-31	Yes	Yes
26	Conference paper	Outlining a methodology for assessing deterioration threshold criteria		ISBN 978-91-519-0838-0	Lång, L., Johansson, P., Capener, C.-M., Janssen, H., Langmans, J., Møller, E., D'Orazio, M., Quagliarini, E.						32-40	Yes	Yes
27	Conference paper	How to estimate material properties for external walls in historic buildings before applying internal insulation		ISBN 978-91-519-0838-0	de Place Hansen, E. J., Møller, E. B.						41-49	Yes	Yes
28	Conference paper	Semi-permeable membrane experiment for unsaturated liquid permeability of building materials: potential and practice	https://doi.org 10.14305/ibpc.2018.be-4.06		Feng, C., Janssen, H.	Proceedings of the 7th International Building Physics Conference, IBPC 2018, Syracuse, New York, USA				2018	167-172	Yes	Yes
29	Conference paper	Psychrometer method to measure the moisture retention curves of porous building materials in the full humidity range	https://doi.org/10.14305/ibpc.2018.be-4.05		Feng, C., Fredriksson, M., Janssen, H.					2018	161-166	Yes	Yes
30	Conference paper	A comparison of model order reduction methods for the simulation of wall heat transfer	https://doi.org/10.14305/ibpc.2018.ps02		Hou, T., Roels, G., Janssen, H.					2018	1295-1300	Yes	Yes

No.	Type	Title	DOI	ISSN or eSSN	Author(s)	Title of the journal or equivalent	Volume (issue)	Publisher	Place of publication	Year of publication	Pages	Peer-review	Open Access
31	Conference paper	Neural networks to predict the hygrothermal response of building components in a probabilistic framework	https://doi.org 10.14305/ibpc.2018.ms-6.04		Tijskens, A., Roels, G., Janssen, H.	Proceedings of the 7th International Building Physics Conference, IBPC 2018, Syracuse, New York, USA				2018	1169-1174	Yes	Yes
32	Conference paper (printed proceedings)	Uncertainty impact on decisions related to historical buildings energy retrofit	https://iris.unipm.it/retrieve/handle/11566/261189/90707/4.%20OK%20_%20Messina.pdf	ISBN 978-88-492-3659-0	D'Orazio, M., Di Giuseppe, E.	Fabio Minutoli (ed.), ReUSO 2018 L'intreccio dei saperi per rispettare il passato interpretare il presente salvaguardare il futuro VI convegno internazionale sulla documentazione, conservazione e recupero del patrimonio architettonico e sulla tutela paesaggistica Messina 11-13/10/2018.		Gangemi Editore	Rome, Italy	2018	1411-1420	Yes	Yes (login required)
33	Conference paper (printed proceedings)	Efficientamento energetico di edifici: influenza della durata di vita dei componenti sulla valutazione costi-benefici / Buildings energy retrofit: components service life impact on the costs-benefits analysis *(in Italian)*	doi.org/10.5281/zenodo.3967075	ISBN 978-88-96386-75-0	D'Orazio, M., Di Giuseppe, E.	Edilizia Circolare, Colloqui.AT.e 2018 Presented at Colloquiate 2018 Edilizia circolare tra recupero/riqualificazione e rinnovo/rigenerazione urbana e architettonica, Cagliari, Italy, 12-14 Sep 2018		Edicom Edizioni	Catania, Italy	2018	540-548	Yes	Yes (author version)

No.	Type	Title	DOI	ISSN or eSSN	Author(s)	Title of the journal or equivalent	Volume (issue)	Publisher	Place of publication	Year of publication	Pages	Peer-review	Open Access
34	Conference paper (printed proceedings)	Mould growth risk evaluation of internal insulation solutions in a historic building under temperate climates	doi.org/10.5281/zenodo.3964383	ISBN 978-88-96386-56-9	Gianangeli, A., Di Giuseppe, E., D'Orazio, M.	SER4SC 2018 Seismic and Energy Renovation for Sustainable Cities – Conference Proceedings		Edicom Edizioni	Catania, Italy	2018	508-517	Yes	Yes (author version)
35	M.Sc. Thesis	Vorstschade in baksteen en metselwerk (*in Flemish*)	Electronic version available through KU Leuven library		van Gorp, M.			KU Leuven, Department of Civil Engineering	Leuven, Belgium	2018			Yes (login required)
36	Journal paper	Trilemma of historic buildings: Smart district heating systems, bioeconomy and energy efficiency	https://doi-org.resursi.rtu.lv/10.1016/j.energy.2019.07.071	ISSN 0360-5442	Blumberga, A., Freimanis, R., Muizniece, I., Spalvins, K., Blumberga, D.	Energy	186	Elsevier B.V.	Amsterdam, The Netherlands	1 November 2019	115741	Yes	Yes
37	Journal paper	Effect of temperature and relative humidity on algae biofouling on different fired brick surfaces	https://doi.org/10.1016/j.conbuildmat.2018.12.023	ISSN 0950-0618	Quagliarini, E., Gianangeli, A., D'Orazio, M., Gregorini, B., Osimani, A., Aquilanti, L., Clementi, F.	Construction and Building Materials	199	Elsevier B.V.	Amsterdam, The Netherlands	28 February 2019	396-405	Yes	Yes
38	Journal paper	The role of economic and policy variables in energy-efficient retrofitting assessment. A stochastic Life Cycle Costing methodology	https://doi.org/10.1016/j.enpol.2019.03.018	ISSN 0301-4215	Baldoni, E., Coderoni, S., D'Orazio, M., Di Giuseppe, E., Esposti, R.	Energy Policy	129	Elsevier B.V.	Amsterdam, The Netherlands	June 2019	1207-1219	Yes	Yes
39	Journal paper	The effects of wind-driven rain on the hygrothermal conditions behind wooden beam ends and at the interfaces between internal insulation and existing solid masonry	https://doi.org/10.1016/j.enbuild.2019.05.020	ISSN 0378-7788	Hansen, T. K., Bjarløv, S. P., Peuhkuri, R.	Energy and Buildings	196	Elsevier B.V.	Amsterdam, The Netherlands	1 August 2019	255-268	Yes	Yes

No.	Type	Title	DOI	ISSN or eSSN	Author(s)	Title of the journal or equivalent	Volume (issue)	Publisher	Place of publication	Year of publication	Pages	Peer-review	Open Access
40	Journal paper	Wooden beam ends in combination with interior insulation: an experimental study on the impact of convective moisture transport	https://doi.org/10.1016/j.buildenv.2018.10.060	ISSN 0360-1323	Vereecken, E., Roels, S.	Building and Environment	148	Elsevier B.V.	Amsterdam, The Netherlands	15 January 2019	524-534	Yes	Yes
41	Journal paper	Optimising convolutional neural networks to predict the hygrothermal performance of building components	https://doi.org/10.3390/en12203966	ISSN 1996-1073	Tijskens, A., Janssen, H., Roels, S.	Energies	12(20)	MDPI	Basel, Switzerland	18 October 2019	3966	Yes	Yes
42	Journal paper	Towards a more representative assessment of frost damage to porous building materials	https://doi.org/10.1016/j.buildenv.2019.106343	ISSN 0360-1323	Feng, C., Roels, S., Janssen, H.	Building and Environment	164	Elsevier B.V.	Amsterdam, The Netherlands	15 October 2019	106343	Yes	Yes
43	Journal paper	Neural networks for metamodelling the hygrothermal behaviour of building components	https://doi.org/10.1016/j.buildenv.2019.106282	ISSN 0360-1323	Tijskens, A., Roels, S., Janssen, H	Building and Environment	162	Elsevier B.V.	Amsterdam, The Netherlands	September 2019	1062822	Yes	Yes
44	Journal paper	Quasi-Monte Carlo based uncertainty analysis: Sampling efficiency and error estimation in engineering applications	https://doi.org/10.1016/j.ress.2019.106549	ISSN 0951-8320	Hou, T., Nuyens, D., Roels, S., Janssen, H.	Reliability Engineering & System Safety	191			November 2019	106549	Yes	Yes
45	Journal paper	Hygric properties of porous building materials (IV): Semi-permeable membrane and psychrometer methods for measuring moisture storage curves	https://doi.org/10.1016/j.buildenv.2019.01.054	ISSN 0360-1323	Feng, C., Janssen, H.	Building and Environment	152	Elsevier B.V.	Amsterdam, The Netherlands	2019	39-49	Yes	Yes

No.	Type	Title	DOI	ISSN or eSSN	Author(s)	Title of the journal or equivalent	Volume (issue)	Publisher	Place of publication	Year of publication	Pages	Peer-review	Open Access
46	Conference paper (in journal)	Web tool for quantitative sustainability evaluation of hygro-thermally optimized insulation solutions	https://doi.org/10.1088/1755-1315/352/1/012029		Walther, S., Birkved, M., Perkov, T. H., Bjarløv, S.	IOP Conf. Series: Earth and Environmental Science Presented at the 1st Nordic conference on Zero Emission and Plus Energy Buildings, Trondheim, Norway, 6-7 Nov 2019	352	IOP Publishing Ltd	Bristol, United Kingdom	2019	012029	Yes	Yes
47	Conference paper	Hygric properties of hydrophobized building materials	https://doi.org/10.1051/matecconf/201928202048	eISSN 2261-236X	Soulios, V., de Place Hansen, E. J., Janssen, H.	MATEC Web of Conferences 4th Central European Symposium on Building Physics (CESBP 2019): Prague, Czech Republic, September 2-5, 2019	282	EDP Sciences	Les Ulis Cedex, France	September 2019	02048	Yes	Yes
48	Conference paper	Hygrothermal simulation assessment of internal insulation systems for retrofitting a historic Danish Building	https://doi.org/10.1051/matecconf/201928202049		Soulios, V., de Place Hansen, E. J., Peuhkuri, R.		282	EDP Sciences	Les Ulis Cedex, France	September 2019	02049	Yes	Yes
49	Conference paper	Generative reverse-modelling approach to hygrothermal material characterization	https://doi.org/10.1051/matecconf/201928202088		Klõšeiko, P., Freudenberg, P.		282	EDP Sciences	Les Ulis Cedex, France	September 2019	02088	Yes	Yes
50	Conference paper	Predicting the hygrothermal behaviour of building components using neural networks	https://doi.org/10.1051/matecconf/201928202036		Tijskens, A., Janssen, H., Roels, S		282	EDP Sciences	Les Ulis Cedex, France	September 2019	02036	Yes	Yes
51	Conference paper	The use of proper orthogonal decomposition for the simulation of highly nonlinear hygrothermal performance	https://doi.org/10.1051/matecconf/201928202018		Hou, T., Roels, S., Janssen, H		282	EDP Sciences	Les Ulis Cedex, France	September 2019	02018	Yes	Yes

No.	Type	Title	DOI	ISSN or eSSN	Author(s)	Title of the journal or equivalent	Volume (issue)	Publisher	Place of publication	Year of publication	Pages	Peer-review	Open Access
52	Conference paper	Impact of frost temperature and moisture content on frost damage to ceramic bricks	https://doi.org/10.1051/matecconf/201928202013	eISSN 2261-236X	Janssen, H., Feng, C., Roels, S.	MATEC Web of Conferences CESBP 2019	282	EDP Sciences	Les Ulis Cedex, France	September 2019	02013	Yes	Yes
53	Conference paper (printed proceedings)	Energy saving potentials in historic buildings' renovations: to which extent is the heating demand limit value (SIA 380/1) reachable and at which costs?	https://doi.org/10.1088/1742-6596/1343/1/012181	eISSN 1742-6596 ISSN 1742-6588	Favre, D., Padey, P, Goulouti, K., Lasvaux, S.	Journal of Physics: Conference Series CISBAT 2019 | Climate Resilient Cities – Energy Efficiency & Renewables in the Digital Era 4–6 September 2019, EPFL Lausanne, Switzerland (CISBAT 2019)	1343	IOP Publishing Ltd	Bristol, United Kingdom	20 November 2019	012181	Yes	Yes
54	Conference paper (printed proceedings)	Rischi e benefici dell'isolamento interno come misura per il rinnovamento energetico degli edifici storici / Risks and benefits of internal insulation as a measure for historic buildings energy renovation (*in Italian*)	http://ojs.francoangeli.it/_omp/index.php/oa/catalog/book/461#	ISBN 9788891798428	Gianangeli, A., Maracchini, G., Di Giuseppe, E., D'Orazio, M.	Pierfrancesco Fiore, Emanuela D'Andria (eds), I centri minori … da problema a risorsa. Strategie sostenibili per la valorizzazione del patrimonio edilizio, paesaggistico e culturale nelle aree interne / Small towns... from problem to resource Sustainable strategies for the valorization of building, landscape and cultural heritage in inland areas 1th International Conference, STC 2019 - Small Towns Conference		FrancoAngeli	Milan, Italy	2019	1229-1238	Yes	Yes

No.	Type	Title	DOI	ISSN or eSSN	Author(s)	Title of the journal or equivalent	Volume (issue)	Publisher	Place of publication	Year of publication	Pages	Peer-review	Open Access
55	Conference paper (printed proceedings)	Hygrothermal assessment of historic buildings' external walls: preliminary findings from the RIBuild project for Switzerland	https://doi.org/10.1088/1742-6596/1343/1/012183	eISSN 1742-6596 ISSN 1742-6588	Giorgi, M., Favre, D., Goulouti, K., Lasvaux, S.	Journal of Physics: Conference Series CISBAT 2019	1343	IOP Publishing Ltd	Bristol, United Kingdom	20 November 2019	012183	Yes	Yes
56	Conference paper (printed proceedings)	Internal insulation of historic buildings: a stochastic approach to life-cycle costing within RIBuild EU project	https://link.springer.com/chapter/10.1007%2F978-981-32-9868-2_30	ISBN 978-981-32-9867-5. eISBN 978-981-32-9868-2.	Di Giuseppe, E., Maracchini, G., Gianangeli, A., Bernardini, G., D'Orazio, M.	Littlewood, J.; Howlett, R.; Capozzoli, A.; Jain, L. (eds), Sustainability in Energy and Buildings. Smart Innovation, Systems and Technologies 10th International Conference on Sustainability in Energy and Buildings, SEB-19, Budapest, Hungary, 4-5 July 2019	163	Springer Science+ Business Media S.A.	Luxembourg, Luxembourg	2019	349-359	Yes	Yes
57	Conf. paper (printed proceedings)	Retrofit of Masonry in Historic Buildings: Role of Climatic Loads and Material Parameters			Kvist Hansen, T, Peuhkuri, R., Bjarløv, S. P.	Thermal Performance of the Exterior Envelopes of Whole Buildings XIV International Conference		ASHRAE	Peachtree Corners, Georgia, USA	2019	552-561	Yes	No
58	Conf. paper (printed proceedings)	Performance of Models in Predicting Mould Growth on Building Materials			Johansson, P., Lång, L, Capener, C.-M.						681-690	Yes	No
59	Ph.d. thesis	Hygrothermal performance of internal insulation in historic buildings	https://www.byg.dtu.dk/-/media/Institutter/Byg/publikationer/PhD/Byg-R399.ashx?la=da&hash=B3D58BA9913B4F0D0299EA165C50386743E40AF5		Hansen, T. K.	BYG-DTU Report	399	Technical University of Denmark, Department of Civil Engineering	Kongens Lyngby, Denmark	2019		Yes	Yes

No.	Type	Title	DOI	ISSN or eSSN	Author(s)	Title of the journal or equivalent	Volume (issue)	Publisher	Place of publication	Year of publication	Pages	Peer-review	Open Access
60	M.Sc. Thesis	Assessing the impact of a hydrophobic treatment on the moisture response of an internally insulated massive wall	Electronic version available through KU Leuven library		Deckers, D.			KU Leuven, Department of Civil Engineering	Leuven, Belgium	2019			Yes (login required)
61	M.Sc. Thesis	De invloed van scheuren op de waterpenetratie in gehydrofobeerd metselwerk (*in Flemish*)	Electronic version available through KU Leuven library.		Vanspeybrouck, G.			KU Leuven, Department of Civil Engineering	Leuven, Belgium	2019			Yes (login required)
62	M.Sc. Thesis	Modular Sustainability Assessment of Hygro-Thermal Optimized Insulation Solutions for Historic Buildings.	https://findit.dtu.dk/en/catalog/2444474363		Walther, S.			Technical University of Denmark, Department of Civil Engineering.	Kongens Lyngby, Denmark	2019			Yes
63	M.Sc. Thesis	Hygrothermal Modelling of Internal Insulation to Solid Masonry Walls	https://findit.dtu.dk/en/catalog/2321127715		Otiv, P.			Technical University of Denmark, Department of Civil Engineering.	Kongens Lyngby, Denmark	2019			Yes
64	M.Sc. Thesis	Don't tell – show! A study of architect's requirements for a platform that include knowledge about internal thermal insulation in the classical buildings.	https://projekter.aau.dk/projekter/da/studentthesis/dont-tell--show(683801d7-e6d6-4195-96cb-dadc83339b9f).html		Jatulyte, G., Skourletis, S.			Information Studies, Aalborg University Copenhagen	Copenhagen, Denmark	2019			Yes
65	Journal paper	A Stochastic Approach to LCA of Internal Insulation Solutions for Historic Buildings	https://doi.org/10.3390/su12041535	ISSN 2071-1050	Di Giuseppe, E.; D'Orazio, M.; Du, G.; Favi, C.; Lasvaux, S.; Maracchini, G.; Padey, P.	Sustainability	12(4)	MDPI	Basel, Switzerland	2020	1535	Yes	Yes

No.	Type	Title	DOI	ISSN or eSSN	Author(s)	Title of the journal or equivalent	Volume (issue)	Publisher	Place of publication	Year of publication	Pages	Peer-review	Open Access
66	Journal paper	Hygric behavior of hydrophobized brick and mortar samples	https://doi.org/10.1016/j.buildenv.2020.106843	ISSN 0360-1323	Soulios, V.; de Place Hansen, E. J.; Feng, C; Janssen, H.	Building and Environment	176	Elsevier B.V.	Amsterdam, The Netherlands	2020	106843	Yes	Yes
67	Journal paper	Hygrothermal assessment of diffusion open insulation systems for interior retrofitting of solid masonry walls	https://doi.org/10.1016/j.buildenv.2020.107011	ISSN 0360-1323	Jensen, N. F. Odgaard, T. R., Bjarløv, S. P., Andersen, B., Rode, C., Møller, E. B	Building and Environment	182	Elsevier B.V.	Amsterdam, The Netherlands	2020		Yes	Yes
68	Journal paper	Hygrothermal assessment of four insulation systems for interior retrofitting of solid masonry walls through calibrated numerical simulations	https://doi.org/10.1016/j.buildenv.2020.107031	ISSN 0360-1323	Jensen, N. F., Bjarløv, S. P., Rode, C., Møller, E. B.	Building and Environment	180	Elsevier B.V.	Amsterdam, The Netherlands	2020		Yes	Yes
69	Journal paper	Laboratory based investigation of the materials' water activity and pH relative to fungal growth in internally insulated solid masonry walls	Submitted for publication	eISSN 1600-0668	Jensen, N. F., Bjarløv, S. P., Rode, C., Andersen, B., Møller, E. B.	Indoor Air		John Wiley & Sons, Inc.	Hoboken, New Jersey, USA	2020		Yes	Yes
70	Journal paper	Hygric properties of porous building materials (VI): hygric impact and critical concentration of water repellent agents	Submitted for publication	ISSN 0360-1323	Feng, C., Janssen, H.	Building and Environment		Elsevier B.V.	Amsterdam, The Netherlands	2020		Yes	Yes
71	Journal paper	Hygric properties of porous building materials (VIII): full-range benchmark characterizations	Submitted for publication	ISSN 0360-1323	Feng, C., Janssen, H.	Building and Environment		Elsevier B.V.	Amsterdam, The Netherlands	2020		Yes	Yes
72	Journal paper	Model order reduction for efficient deterministic and probabilistic assessment of thermal performance	https://doi.org/10.1016/j.enbuild.2020.110366	ISSN 0378-7788	Hou, T., Roels, S., Janssen, H.	Energy and Buildings	226	Elsevier B.V.	Amsterdam, The Netherlands	2020		Yes	Yes

No.	Type	Title	DOI	ISSN or eSSN	Author(s)	Title of the journal or equivalent	Volume (issue)	Publisher	Place of publication	Year of publication	Pages	Peer-review	Open Access
73	Journal paper	POD–DEIM model order reduction for nonlinear heat and moisture transfer in building materials	https://doi.org/10.1080/19401493.2020.1810322	ISSN 1940-1493 eISSN 1940-1507	Hou, T., Meerbergen, K., Roels, S., Janssen, H.	Journal of Building Performance Simulation	Vol. 13, No. 6	Taylor & Francis Group	London, United Kingdom	2020	645-661	Yes	Yes
74	Journal paper	The impact of a reduced training subspace on the prediction accuracy of neural networks for hygrothermal predictions	Submitted for publication	ISSN 1744-2591 eISSN 1744-2583	Tijskens, A., Janssen, H., Roels, S.	Journal of Building Physics		SAGE Publishing	Thousand Oaks, California, USA	2020		Yes	Yes
75	Journal paper	How well do mould models predict mould growth in buildings, considering the end-user perspective?	Submitted for review	ISSN 0360-1323	Johansson, P., Lång, L. Capener, C.-M.	Building and Environment				2020		Yes	Yes
76	Journal paper	An improved mould prediction model considering measurement uncertainties (Title preliminary)	In progress to be submitted in august 2020	ISSN 0360-1323	Johansson, P., Svensson, T	Building and Environment				2020?		Yes	Yes
77	Journal paper	Critical moisture level for mould growth on 21 different building materials (Title preliminary)	In progress to be submitted during June 2020	ISSN 1359-5997 eISSN 1871-6873	Johansson, P., Lång, L., Bok, G	Materials and Structures		Springer Science+Business Media S.A.	Luxembourg, Luxembourg	2020?		Yes	Yes
78	Journal paper	The effect of fluctuating humidity on mould growth on building materials with different susceptibility for mould growth (title preliminary)	In progress to be submitted October 2020		Johansson, P., Lång, L., Bok, G. , Svensson, T.	N/A				2020?		Yes	Yes
79	Conference paper	Guidelines for internal insulation of historic buildings	https://doi.org/10.1051/e3sconf/202017201004	eISSN: 2267-1242	de Place Hansen, E. J., Møller, E. B., Ørsager, M.	E3S Web of Conferences Proceedings of the 12th Nordic Symposium on Building Physics, Tallinn, Estonia	172	EDP Sciences	Les Ulis Cedex, France	2020		Yes	Yes

No.	Type	Title	DOI	ISSN or eSSN	Author(s)	Title of the journal or equivalent	Volume (issue)	Publisher	Place of publication	Year of publication	Pages	Peer-review	Open Access
80	Conference paper	Internal insulation of solid masonry walls – field experiment with Phenolic foam and lime-cork based insulating plaster	https://doi.org/10.1051/e3sconf/202017201003	eISSN: 2267-1242	Jensen, N. F., Bjarløv, S. P., Rode, C., Andersen, B., Møller, E. B.	E3S Web of Conferences Proceedings of 12th Nordic Symposium on Building Physics, Tallinn, Estonia	172	EDP Sciences	Les Ulis Cedex, France	2020		Yes	Yes
81	Conference paper	Monitored conditions in wooden wall plates in relation to mold and wood decaying fungi	https://doi.org/10.1051/e3sconf/202017220004		Hansen, T. K., Jensen, N. F., de Place Hansen, E. J., Peuhkuri, R.					2020		Yes	Yes
82	Conference paper	Modified pressure plate method for measuring adsorption moisture retention curves	https://doi.org/10.1051/e3sconf/202017214004		Feng, C., Janssen, H.					2020		Yes	Yes
83	Conference paper	The use of POD–DEIM model order reduction for the simulation of nonlinear hygrothermal problems	https://doi.org/10.1051/e3sconf/202017204002		Hou, T., Meerbergen, K., Roels, S., Janssen, H.					2020		Yes	Yes
84	Conference paper	Using convolutional neural networks for hygrothermal predictions to extrapolate to other external climates	https://doi.org/10.1051/e3sconf/202017204001		Tijskens, A., Janssen, H., Roels, S.					2020		Yes	Yes
85	Conference paper	Threshold values for mould growth: Critical moisture level of 21 different building materials	https://doi.org/10.1051/e3sconf/202017220002		Johansson, P, Lång, L, Bok, G					2020		Yes	Yes
86	Conference paper	Predicting mould growth on building materials - the PJ-model	https://doi.org/10.1051/e3sconf/202017220001		Johansson, P					2020		Yes	Yes

No.	Type	Title	DOI	ISSN or eSSN	Author(s)	Title of the journal or equivalent	Volume (issue)	Publisher	Place of publication	Year of publication	Pages	Peer-review	Open Access
87	Ph.d.-thesis	Robust solutions of design of internal insulation in historic buildings in regards to hygrothermal performance	Submitted for defence		Jensen, N. F.			Technical University of Denmark, Department of Civil Engineering	Kongens Lyngby, Denmark	2020		Yes	
88	Ph.d.-thesis	Efficient Probabilistic Assessment of Hygrothermal Performance: sequential Monte Carlo and decomposition methods	https://bwk.kuleuven.be/bwf/Publications		Hou, T.			KU Leuven, Department of Civil Engineering.	Leuven, Belgium	2020			
89	Ph.d.-thesis	Probabilistic Assessment of Interior Insulation Measures for Retrofitting Historical Buildings	In preparation for publication		Tijskens, A.			KU Leuven, Department of Civil Engineering.	Leuven, Belgium	2020			

Appendix 2: Communication activities

Not all presentations at conferences are included in this list. Please refer to conference papers in Appendix 1 for further information. For presentations, the number of attendees are estimated to 20-60, where not specified. For some activities, such as radio interviews or press releases, the specific number cannot be given. Please note that links to documents at ribuild.eu (p. 37-38) are no longer accessible, as the website was redesigned at the end of the project period.

Type of communication activity	Channel / media	Theme and purpose	Audience	Partner(s) involved	Date and country
News (continuous)	News disseminated by the RIBuild newsletter http://ribuild.eu/news (previous website)	Information about the RIBuild project and results	The RIBuild international Communication network (gradually growing; 450 contacts at the closing of RIBuild)	Maja Skovgaard, AAU	Continuously
Press release	AAU.dk http://www.aau.dk/nyheder/alle-nyheder/vis/aau-i-spidsen-for-isoleringsprojekt-til-millioner.cid152683	AAU leads the RIBuild project	Professional trade media and practitioners in the Danish construction industry	Ernst Jan de Place Hansen, AAU	5 December 2014
Presentation	Ministry of Environment and Regional Development of Latvia, Riga	"Project RIBuild: robust internal insulation in historic buildings, seminar on energy efficiency projects in historic buildings"	Ministry of Environment and Regional Development of Latvia	Andra Blumberga, RTU	30 January 2015
Press release	RIBuild international communication network http://ribuild.eu/article/new-insulation-project-will-save-energy-europes-historic-buildings (no longer accessible, due to restructuring of RIBuild website)	"New insulation project will save energy in Europe's historic buildings" Information about the project	Professional practitioners in the industry	Maja Skovgaard and Ernst Jan de Place Hansen, AAU + all partners	22 June 2015
Presentations	Seminar for a network focusing on internal insulation at the Danish Technological Institute	Internal insulation	Professional industry practitioners with focus on internal insulation of buildings	Ernst Jan de Place Hansen and Eva B. Møller, AAU	11 June 2015
Presentations	7PHN Sustainable cities and buildings 2015, Bella Center, Copenhagen http://passivhus.dk/	Case studies	Scientific community and practitioners	Søren Peter Bjarløv, DTU	20-21 August 2015
Presentations	International Scientific Conference on Environmental and Climate Technologies CONECT 2015, Riga, Latvia	"Survey on Latvian historical building stock with heavy walls"	Scientific community	Andra Blumberga, Kristaps Kašs and Edīte Kamendere, RTU	15 October 2015

Type of communication activity	Channel / media	Theme and purpose	Audience	Partner(s) involved	Date and country
Presentations	RIBuild open seminar http://ribuild.eu/news/ribuild-open-seminar-21-january-2016 (no longer accessible, see instead Appendix 3)	Internal thermal insulation of historic buildings - RIBuild	Professional practitioners (about 76 attendees, some of them online, including attendees from outside Denmark)	Ernst Jan de Place Hansen, AAU, Ruut Peuhkuri, DTU, Søren Peter Bjarløv, DTU, Morten Ørsager, EMA and Andra Blumberga, RTU	21 January 2016
Presentations	IDA Bygningsfysik, Copenhagen http://www.bygningsfysik.dk/indvendig-efterisolering.html	Network seminar for engineers with an interest in building physics	Engineers, members of the Danish trade union for engineers (IDA)	Eva B. Møller, AAU and Ruut Peuhkuri, DTU	29 March 2016
Presentation	Danvak Dagen 2016, Denmark http://danvak.dk/arrangementer/oversigt/event/135-danvak-dagen-2016	Conference about indoor climate and ventilation technical installations	Professional practitioners (about 60 attendees)	Ernst Jan de Place Hansen, AAU	13 April 2016
Presentation	Building Physics' Day at the Danish Building Research Institute, Copenhagen http://www.bygningsfysikdag.dk/	Seminar for professional practitioners with an interest in building physics with focus on internal insulation of buildings	Professional practitioners from the industry with an interest in building physics (about 100 attendees)	Eva B. Møller and Ernst Jan de Place Hansen, AAU	1 June 2016
Presentation / panel discussion	Buildings Renovation Day, Riga, Latvia http://buildupon.eu/renovation-day-latvia/	Presentation of RIBuild project in the panel session	Practitioners, authorities	Andra Blumberga, RTU	1 June 2016
Exhibition stand / poster and flyers	EFFESUS final conference, Dordrecht, The Netherlands http://www.effesus.eu/wp-content/uploads/2016/03/leaflet_final_blue.pdf	Information about RIBuild and networking (poster)	Scientific community (50-60 attendees)	Ernst Jan de Place Hansen, AAU	24 June 2016
Presentation	International RILEM Conference Materials Systems and Structures in Civil Engineering 2016 (MSSCE 2016) : segment on Moisture in Materials and Structures https://www.byg.dtu.dk/english/kalender/2016/08/mssce_conference?id=5535427a-947c-43c3-b084-a9241587ebd6 .	Moisture transport properties of brick – comparison of exposed, impregnated and rendered brick	Scientific community	Ruut Peuhkuri, DTU	21-24 August 2016

Type of communication activity	Channel / media	Theme and purpose	Audience	Partner(s) involved	Date and country
Presentation and flyer	International Conference on Sustainability in Energy and Buildings 2016, Torino (Italy) http://seb-16.sustainedenergy.org/index.php	Presentation of RIBuild project at the session IS02: Smart strategies for existing and historic building retrofitting. Information about RIBuild and networking (flyers) at the conference desk	Scientific community (20-30 attendees)	Elisa Di Giuseppe, UNIVPM	13 September 2016
Presentation	*4th* Historic Mortars Conference, HMC2016 https://www.iiconservation.org/node/5936	A lime based mortar for thermal insulation of medieval church vaults	Scientific community	Tessa Kvist Hansen, DTU	10-12th October 2016
Presentation	Conference Colloqui.AT.e 2016, Matera (Italy) http://2016.artecweb.org/2016/	Presentation of RIBuild project and of the paper "Development of a probabilistic methodology for LCC assessments of buildings retrofit measures".	Scientific community (100 attendees)	Elisa Di Giuseppe, UNIVPM	14 October 2016
Interview – newspaper article	Børsen 05-02-2017, page 22 and http://analysesamfund.dk/article/stort-potentiale-i-at-efterisolere.html	Information about internal insulation and RIBuild	General public	Ruut Peuhkuri, AAU	5 February 2017
Presentation	ICBEST 2017, Istanbul (Turkey) http://icbestistanbul.com/	RIBuild and results of survey among practitioners was part of presentation of the paper 'Improving energy performance of historic buildings with architectural and cultural value'	Scientific community (40-50 attendees)	Ernst Jan de Place Hansen, AAU	18 May 2017
Presentations	11th Nordic Symposium on Building Physics (NSB2017) https://www.ntnu.edu/nsb2017	Presentations on material characterization models and probabilistic assessment	Scientific community (about 40 attendees for each presentation)	Ruut Peuhkuri, AAU, Tiangfeng Hou and Astrid Tijskens, KUL	11-14 June 2017
Presentation and flyer	International Conference on Sustainability in Energy and Buildings 2017, SEB-17 Chania, Greece 5, 6, 7 July 2017 http://seb-17.sustainedenergy.org/	Presentation of RIBuild project at the morning session. Information about RIBuild and networking (flyers) at the conference desk	Scientific community (20-30 attendees)	Elisa Di Giuseppe, UNIVPM	7 July 2017

Type of communication activity	Channel / media	Theme and purpose	Audience	Partner(s) involved	Date and country
Presentation and flyer	Colloqui.AT.e Conference 2017 "Demolition and reconstruction?", Ancona, Italy 28-29 September 2017 http://colloquiate2017.artecweb.org/a2017/en/	Presentation of RIBuild project at the session IS07: Smart strategies for existing and historic building retrofitting. Information about RIBuild and networking (flyers) at the conference desk	Scientific community, Professional practitioners (40-50 attendees)	Elisa Di Giuseppe, UNIVPM	28 September 2017
Interview	Latvia radio 1 programm The known in the unknown Link	Information about issues related to internal insulation of historic buildings, latest developments of insulation materials	General public	Andra Blumberga, RTU	19 October, 2017
Presentation	Seminar Energy efficient construction and reconstruction. German quality in Latvia. Case studies. Organized by the German Chamber of Commerce.	Presentation of RIBuild project	Industry, designers, energy consultants, architects	Andra Blumberga, RTU	26 October, 2017
Interview - article	Article at http://ec.europa.eu/research/infocentre/article_en.cfm?artid=47896 based on interview	Information about RIBuild	General public, scientific community	Ernst Jan de Place Hansen, AAU	23 March 2018 (article published) 6 Feb 2018 (interview)
Interview - article	Interview in https://www.enbausa.de/daemmung/aktuelles/artikel/eu-laesst-innendaemmung-erforschen-5883.html	Information about internal insulation and RIBuild	Professional practitioners	Eva B. Møller, AAU	18 May 2018
Presentations	7th International Building Physics Conference, IBPC 2018, Syracuse, New York, USA	Presentation of papers from WP2 and WP4	Scientific community (about 40 attendees for each presentation)	Astrid Tijskens, Staf Roels,, Hans Janssen, T. Hou, C. Feng, KUL	23-26 Sep 2018
Presentation (invited by the conference organisers)	3rd Int. Conf on Energy Efficiency of Historic Buildings, Visby, Sweden, 26-27 Sep 2018 http://eehb2018.com/	General introduction to RIBuild	Scientific community (50-60 attendees)	Ernst Jan de Place Hansen, AAU	26 Sep 2018
Presentations	3rd Int. Conf on Energy Efficiency of Historic Buildings, Visby, Sweden, 26-27 Sep 2018 www.eehb2018.com	3 presentations of output from RIBuild Task 5.1, Task 2.2 and Task 2.3	Scientific community (50-60 attendees)	Ernst Jan de Place Hansen and Eva B. Møller, AAU, Lukas Lång, RISE	26 Sep 2018

Type of communication activity	Channel / media	Theme and purpose	Audience	Partner(s) involved	Date and country
Exhibition stand (flyers, videos); presentation of WP5 software tool	"Fair of European Innovators in Cultural Heritage", EU event, Brussels, 15-16 Nov 2018 https://ec.europa.eu/research/index.cfm?pg=events&eventcode=F89FF0D7-A551-8054-EA7D4EBE41C5178D	Presentation of RIBuild and especially WP5 software tool as one of the Innovative solutions for Cultural Heritage provided by RIBuild	General public, scientific community, practitioners, authorities (100+ attendees)	Ernst Jan de Place Hansen and Lise Lotte Beck Raunkjær, AAU, Elisa Di Giuseppe, UNIVPM	15-16 Nov 2018
Presentation	Fuktcentrum Informationsdag, Lund, Sweden www.fuktcentrum.lth.se	Presentation of the study of comparisons between mould prediction models and tests of RHcrit for different materials	Mainly practitioners (about 100 attendees)	Pernilla Johansson, RISE	27 November 2018
Presentation	Fuktcentrum Informationsdag, Gothenburg, Sweden www.fuktcentrum.lth.se	Presentation of study comparisons between mould prediction models and of tests RHcrit for different materials	Mainly practitioners (about 100 attendees)	Pernilla Johansson, RISE	27 Mars 2019
Presentations	IEA Task 59 Stakeholder meeting https://task59.iea-shc.org/event?EventID=6942	Presentation of RIBuild; overall goal, content and ongoing activities Presentation on guidelines, webtool and website	Scientific community, practitioners, authorities (about 20 attendees)	Ernst Jan de Place Hansen, AAU Søren Peter Bjarløv, DTU and Morten Ørsager, ERIK	8 Apr 2019
Symposium	Symposium on internal insulation, DTU, Lyngby https://www.byg.dtu.dk/om-dtu-byg/kalender/2019/05/symposium-i-indvendig-isolering?id=05e45402-87ea-4de2-a0f2-76716b20859c	Presentation of projects and results on DTU activities within RIBuild, mainly related to experimental research (ph.d.-students)	Researchers, architects, engineers, facility managers, etc. (about 80 attendees)	Søren Peter Bjarløv, Tessa Kvist Hansen, Tommy Odgaard, Nickolaj Feldt Jensen, DTU Britt Haker Høegh, Danish Technological Institute	23 May 2019
Lecture	Lecture as part of education for "Diplomerad fuktsakkunnig", Borås, Sweden	Presentation of study comparisons between mould prediction models and of tests RHcrit for different materials	Practitioners	Pernilla Johansson, RISE	23 May 2019

Type of communication activity	Channel / media	Theme and purpose	Audience	Partner(s) involved	Date and country
Interview - article	Euindblik, august 2019 www.euindblik.ufm.dk	Experiences of being Project Coordinator of a H2020 project	Reseachers and project managers	Ernst Jan de Place Hansen, AAU	23 May 2019
Presentation	CESBP 2019, Prague, 3-5 Sep 2019 https://www.cesbp2019.org/	Presentions of output form RIBuild Task D2.2, D2.3 and and WP4 according to papers listed in appendix 1	Scientific community (about 40 attendees for each presentation)	Researchers from AAU and KUL	3-5 Sep 2019
Presentation	Renoveringsdag 2019 (Renovation Day 2019) www.renoveringsdag.dk	Presentation of RIBuild and RIBuild guidelines	Researchers, architects, engineers, facility managers, etc. (about 50 attendees)	Ernst Jan de Place Hansen, AAU	3 Oct 2019
Presentation	European Congress on the Use, Management and Conservation of Buildings of Historic Value, Vienna, Austria https://www.burghauptmannschaft-kongress.at/en/Programm	Presentation of RIBuild and RIBuild website/guidelines	Scientific community, practitioners (alo fro mthe conservation sector), authorities	Ernst Jan de Place Hansen, AAU	16 Oct 2019
Exhibition stand (flyers material samples, videos, posters) and presentation	Building Green 2019; a fair with more than 5000 visitors in two days	Presentation of RIBuild and RIBuild website/guidelines	General public, practitioners, authorities and students (20 attendees for the presentation, about 150-200 people visiting the booth, of which 40 signed for the newsletter)	Ernst Jan de Place Hansen, AAU (presentation) and AAU colleagues (booth)	30-31 Oct 2019
Presentation	European Council for Construction Research, Development and Innovation (ECCREDI), Brussels	Presentation of RIBuild and RIBuild website/guidelines	ECCREDI represents building professionals (about 20 attendees)	Ernst Jan de Place Hansen, AAU	14 Nov 2019
Presentations	Fuktcentrum Informationsdag, Lund, Sweden www.fuktcentrum.lth.se *(it was supposed also to be held in Gothenburg and Stockholm, Spring 2020, but was canceled due to COVID-19)*	Presentation of RIBuild and RIBuild guidelines Presentation of RIBuild web tool	Mainly practitioners from the Swedish building sector (about 90 attendees)	Lukas Lång, RISE and Eva Møller, DTU	28 Nov 2019
Presentation	Thermal Performance of the Exterior Envelopes of Whole Buildings XIV International Conference, Clearwater Beach Florida	Presentation on the study of comparisons between mould prediction models	Scientific community	Carl-Magnus Capener, RISE	11 Dec 2019

Type of communication activity	Channel / media	Theme and purpose	Audience	Partner(s) involved	Date and country
Presentation	Thermal Performance of the Exterior Envelopes of Whole Buildings XIV International Conference, Clearwater Beach Florida	Retrofit of Masonry in Historic Buildings: Role of Climatic Loads and Material Parameters	Scientific community	Tessa Kvist Hansen, AAU	9-12th Dec 2019
Presentations, flyers and videos	"Closing Local Seminar - RIBuild project (Robust Internal Thermal Insulation of Historic Buildings)" Klimahouse 2020, fair in Bolzano (Italy) https://www.fierabolzano.it/it/klimahouse/calendario-eventi	Presentation of RIBuild and RIBuild guidelines	Scientific community and professional practitioners (20-30 attendees)	Marco D'Orazio, Elisa Di Giuseppe, Andrea Gianangeli, UNIVPM	23 Jan 2020
Presentation	BYG—ERFA seminar on durability, Copenhagen	Presentation of RIBuild results and website incl. guidelines	Professional practitioners (75 attendees)	Ernst Jan de Place Hansen, AAU	6 Mar 2020
Interview - article	Interview about RIBuild and the RIBuild guidelines as basis for an article in the Danish magazine ARKITEKTEN (The Architect), vol. 122, no. 4, 2020 https://arkitektforeningen.dk/arkitekten/hjaelp-til-efterisolering/	Information about internal insulation and RIBuild	Professional practitioners, general public	Ernst Jan de Place Hansen, AAU	16 Apr 2020
Lecture	Lecture as part of education for "Diplomerad fuktsakkunnig", Borås, Sweden	Presentation of study comparisons between mould prediction models and of tests RHcrit for different materials	Practitioners	Pernilla Johansson, RISE	6 May 2020
Presentation and videos	Università di Trento, Dipartimento di Ingegneria Civile, Ambientale e Meccanica, Italy (through Zoom platform)	Presentation of RIBuild and RIBuild guidelines	University students, master thesis students, PhD students, professors (20-30 attendees)	Elisa Di Giuseppe, UNIVPM	17 June 2020
News	Mail to RIBuild network	New RIBuild website now online	RIBuild network	Kasper Lægring, AAU	26 June 2020
Press release	Press release in Danish AAU.dk https://www.nyheder.aau.dk/2020/nyhed/ny-viden-om-efterisolering-af-historiske-bygninger.cid475139	Presentation of RIBuild results and website incl. guidelines	Professional trade media and practitioners in the Danish construction industry, general public	Kasper Lægring, AAU	30 June 2020

Type of communication activity	Channel / media	Theme and purpose	Audience	Partner(s) involved	Date and country
Newspaper article	Article in the Danish online newspaper Politiken Byrum based on the final press release in Danish https://politikenbyrum.dk/Nyheder/art7845296/S%C3%A5dan-isolerer-man-historiske-bygninger-uden-at-%C3%B8del%C3%A6gge-arkitekturen	Presentation of RIBuild results and website incl. guidelines	Professional practitioners, general public	Kasper Lægring, AAU	30 June 2020
Press release	Press release in English. This was also distributed to the partners, who were asked to translate it into the local languages and tailored in order to reflect local perspectives on the RIBuild results. The press release is available at https://via.ritzau.dk/pressemeddelelse/new-findings-on-how-to-save-energy-in-europes-historic-buildings?publisherId=8155951&releaseId=13596603 Later this press release were sent to about 350 recipients in Europe, that have signed up for news from RIBuild Also some RIBuild partners are disseminating the press release to local network partners after translating it, e.g. in Italy (25 partners) and Latvia (8 partners)	Presentation of RIBuild results and website incl. guidelines	Professional practitioners, scientific community, general public	Kasper Lægring, AAU Lise Jacobsen, AAU UNIVPM , RTU, HES-SO	7 July 2020 7 Dec 2020 Nov/Dec 2020
Presentation	Nordic Symposium of Building Physics, Tallinn, Estonia (online)	A number of presentation of papers listed in Appendix 1	Mainly scientific community (about 40 attendees for each presentation)	Researchers from KUL, AAU, RISE, DTU,	7-9 Sep 2020
Presentations	Building Physics Day, Copenhagen	Two presentations of RIBuild results and website incl. guidelines	Professional practitioners, scientific community. (about 100 attendees)	Ernst Jan de Place Hansen, Tessa K. Hansen, Nickolaj F. Jensen, AAU	16 Sep 2020
Webinar	Energy Efficiency Technical Solutions. New Perspectives https://videszinatne.rtu.lv/panakumi-ribuild-projekta/	Presentation of RIBuild results and website incl. guidelines	Professional practitioners, scientific community. (about 70 attendees)	Andra Blumberga, RTU	24 Nov 2020
Webinar	Energy to stimulate cooperation between faculties and researchers https://videszinatne.rtu.lv/panakumi-ribuild-projekta/	Presentation of RIBuild results and website incl. guidelines	Researchers and academic staff, also working as building professionals (about 30 attendees)	Andra Blumberga, RTU	27 Nov 2020

Appendix 3: Info kit material

This appendix contains examples of flyers, posters, etc. prepared as part of promoting RIBuild towards network partners, etc. Some of these are still relevant after closing the project, and are located at https://www.ribuild.eu/knowledge-base/#downloads, scroll down to 'Archive'.

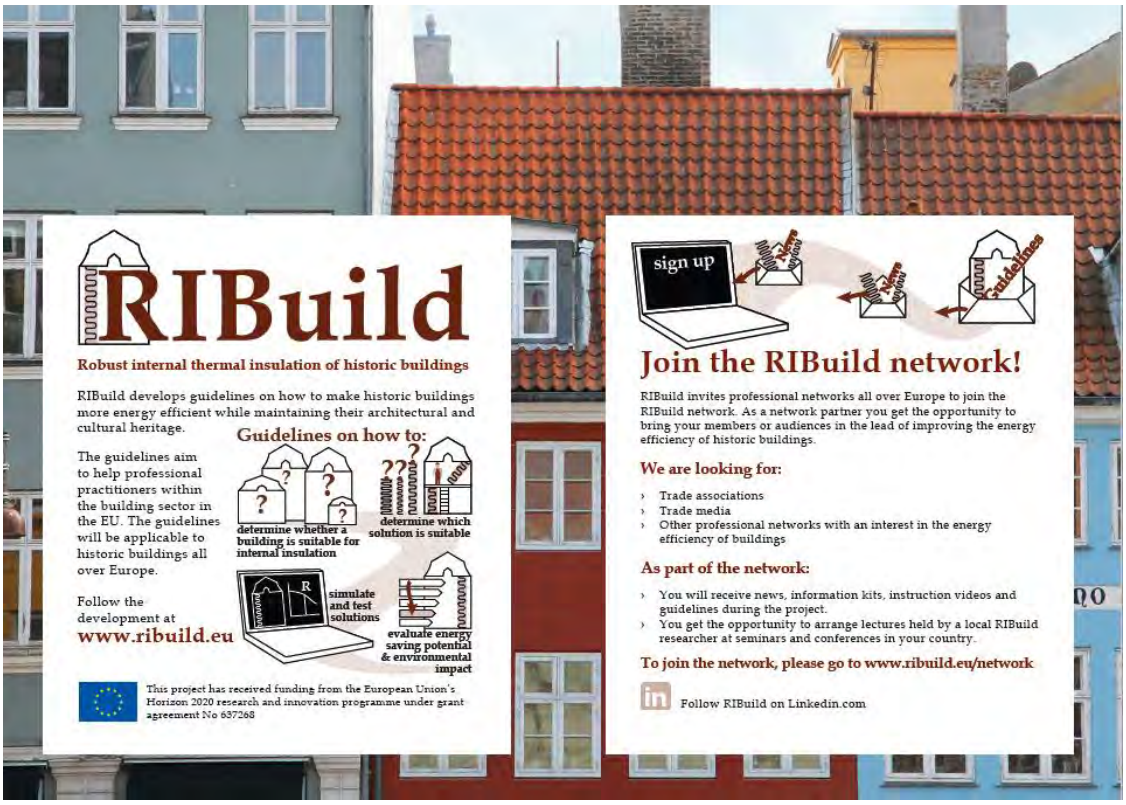


Figure 6: RIBuild flyer (Size A4) inviting to join the RIBuild network (summer 2015).

Figure 7: RIBuild roll-up, Dec 2015. Used at conferences, workshops, etc.

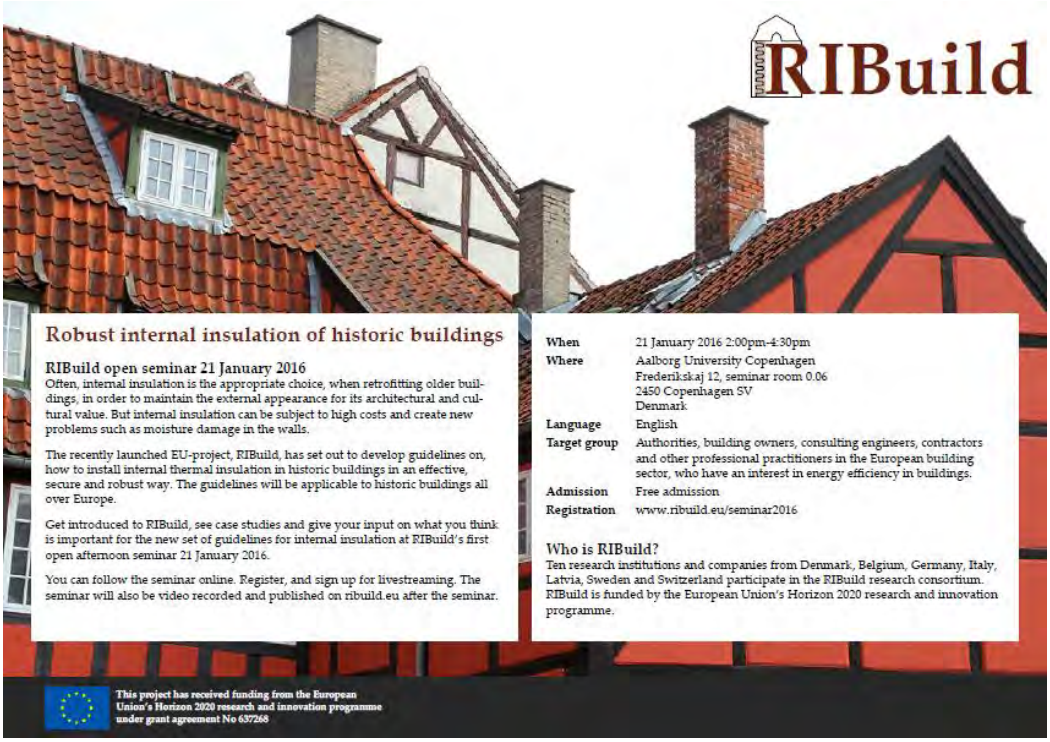


Figure 8: Invitation to the RIBuild seminar held at AAU, January 2016.

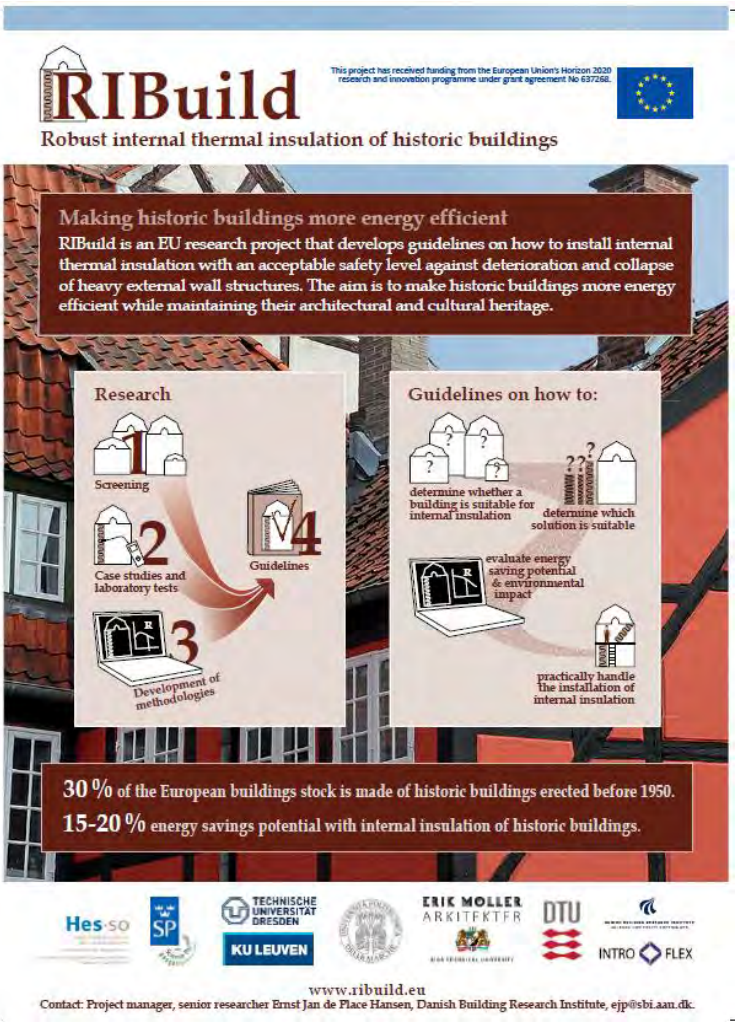


Figure 9: RIBuild flyer (size A5), June 2016. Used as handout at conferences, workshops etc.

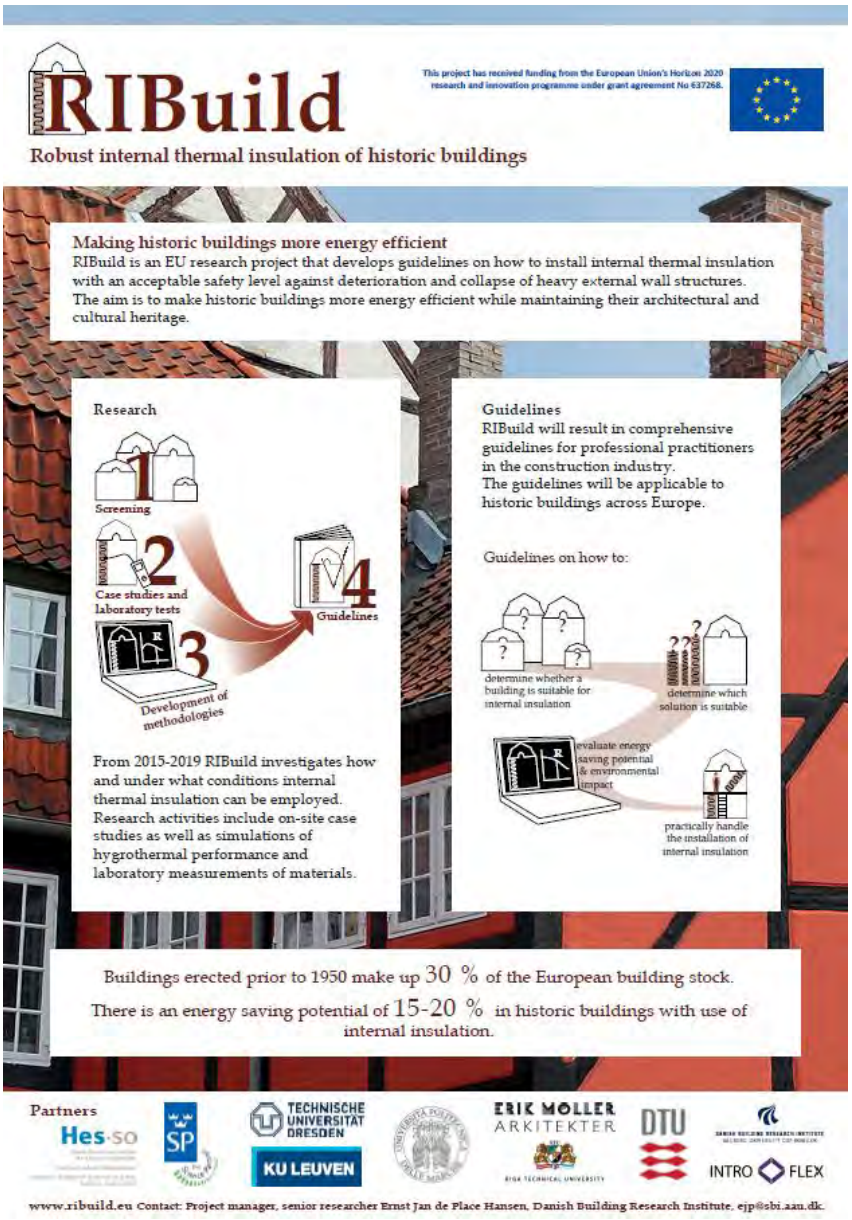


Figure 10: RIBuild poster (A0 or A1 size), prepared for poster presentations (June 2016) at conferences etc.

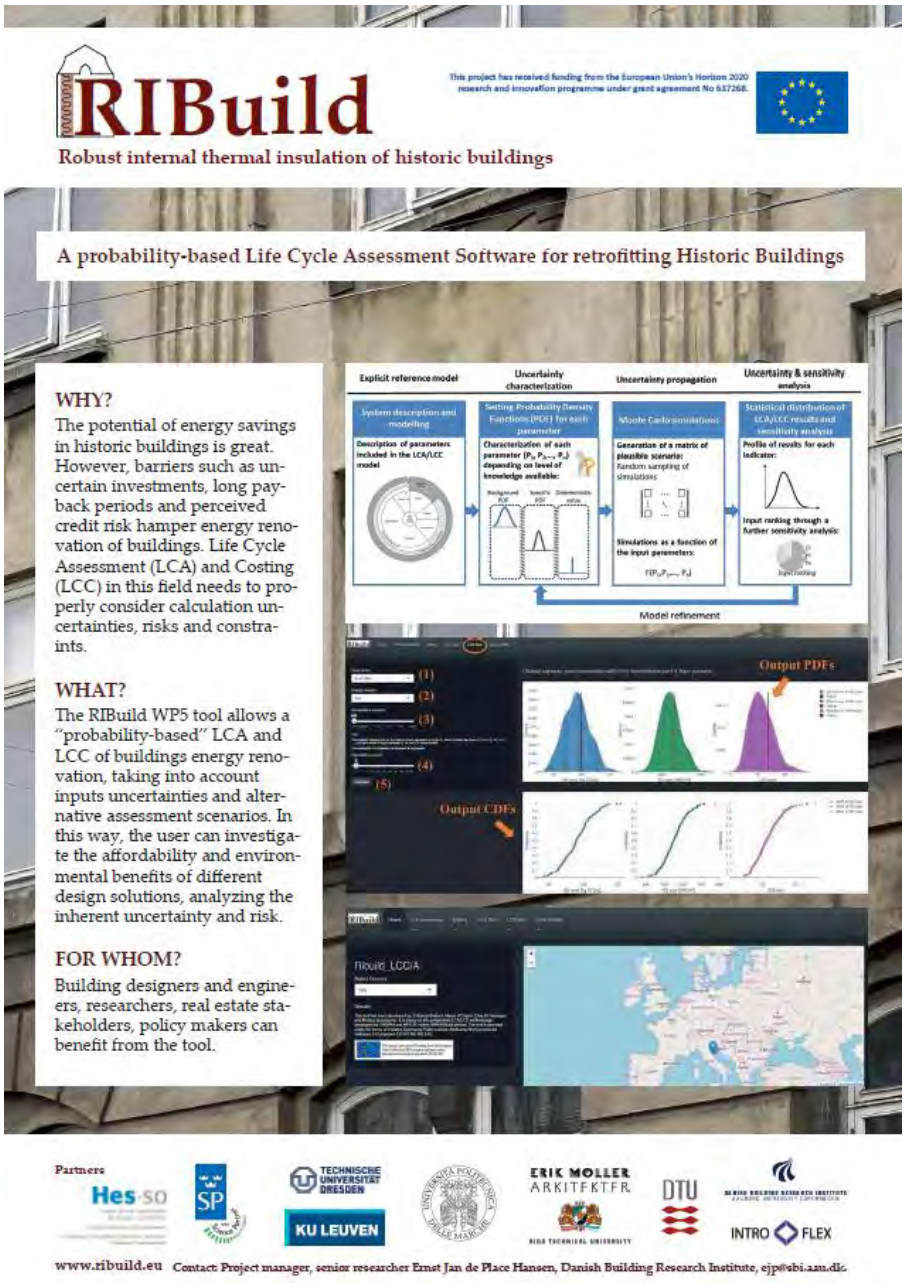


Figure 11: RIBuild flyer (size A5) and poster (size A0) presenting the WP5 LCA/LCC tool. Prepared for the Fair of European Innovators in Cultural Heritage", EU event, Brussels, 15-16 Nov 2018 and used as handout at different events afterwards.

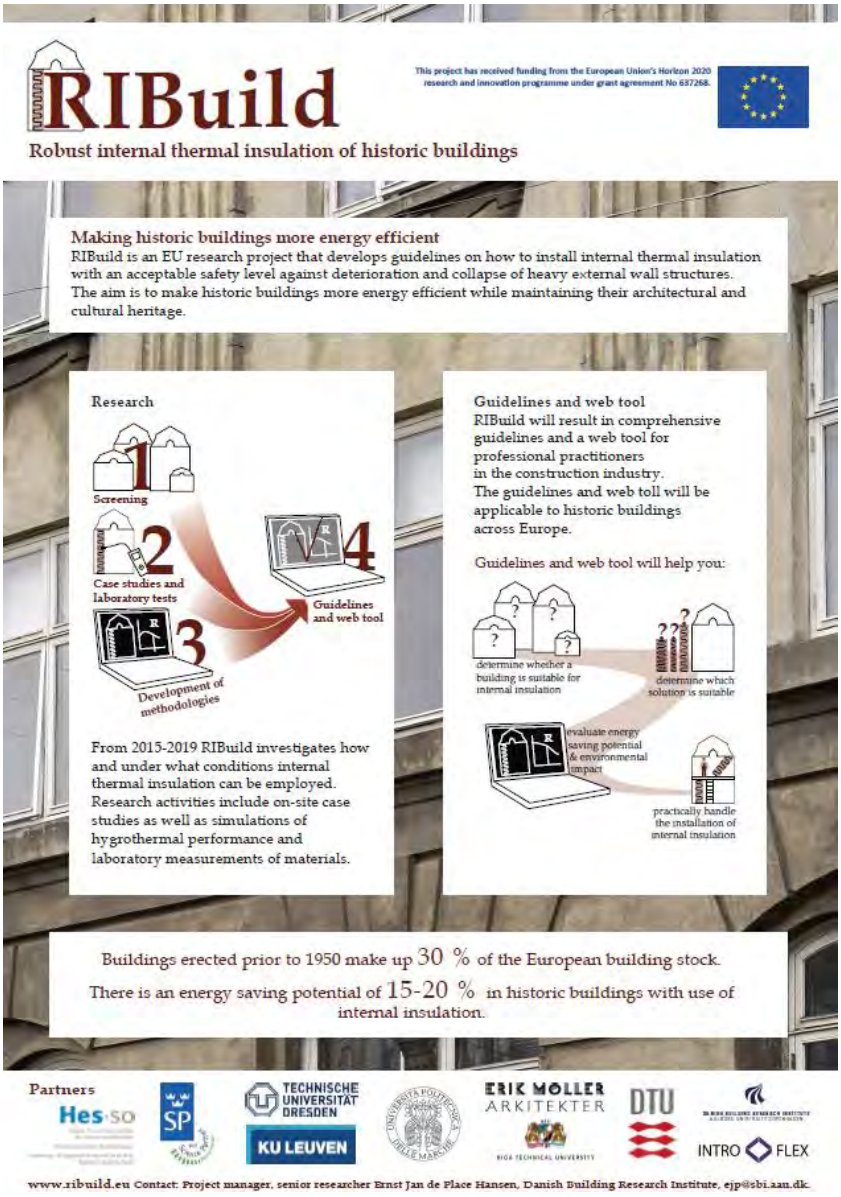


Figure 12: RIBuild flyer (size A5) and poster (size A0) presenting RIBuild. Prepared for the Fair of European Innovators in Cultural Heritage", EU event, Brussels, 15-16 Nov 2018 and used as handout at different events afterwards.

Appendix 4. Building Green, Oct 2019, Copenhagen

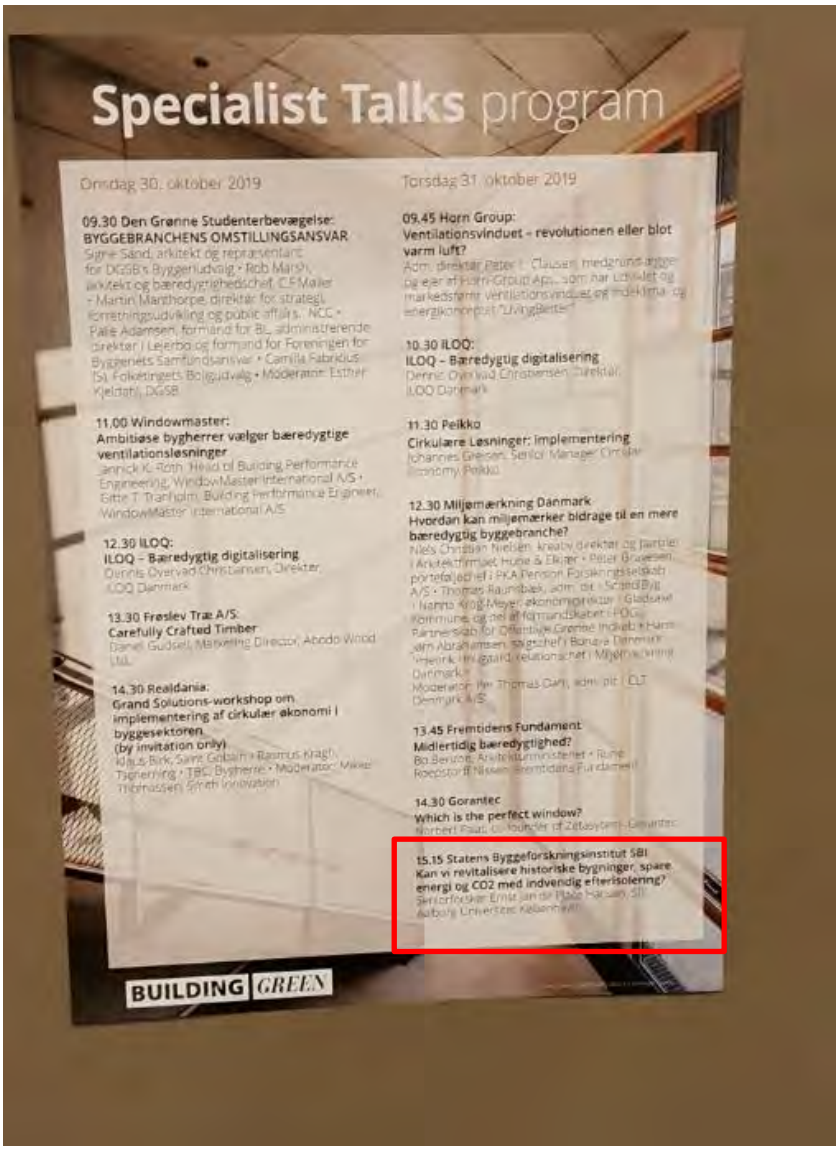


Figure 13: Programme for Specialist Talks at Building Green, Copenhagen, 30-31 Oct 2019. Red box marks the RIBuild specialist talk, held at Building Green, Copenhagen, 30-31 Oct 2019.