



NEWTREND

NEW INTEGRATED METHODOLOGY AND TOOLS FOR RETROFIT
DESIGN TOWARDS A NEXT GENERATION OF ENERGY
EFFICIENT AND SUSTAINABLE BUILDINGS AND DISTRICTS

GA NO. 680474

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DISSEMINATION ACTIVITY REPORT – YEAR 3

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PROJECT NUMBER:	680474
CALL THEME:	EeB-05-2015: Innovative design tools for refurbishing of buildings at district level
PROJECT COORDINATOR:	01. IES – Integrated Environmental Solutions Limited – United Kingdom
PARTICIPATING PARTNERS:	01. IES – Integrated Environmental Solutions Limited – United Kingdom 02. ABUD – ABUD Mernokiroda KFT – Hungary 03. JER – Uli Jakob – Germany 04. iiSBE IT R&D – International Initiative for a Sustainable Built Environment Italia Research and Development srl – Italy 05. REGENERA – Regenera Levante SL – Spain 06. GO – Granlund Oy – Finland 07. UCC – University College Cork, National University of Ireland, Cork – Ireland 08. NUID UCD – University College Dublin, National University of Ireland, Dublin – Ireland 09. MUAS – Hochschule fur angewandte Wissenschaften Munchen – Germany 10. LBS – London Business School – United Kingdom 11. STAM – Stam srl – Italy 12. Sant Cugat – Ajuntament de Sant Cugat del Valles – Spain 13. UNIVPM – Università Politecnica delle Marche – Italy
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DURATION:	36 Months
PROJECT WEBSITE	www.NewTREND-project.eu
ADDRESS:	

DELIVERABLE D7.6: SHORT DESCRIPTION

The Dissemination Activity Report – Year 2 provides the members of the consortium with details of progress towards the fulfilment of the project's Dissemination Plan

Keywords: workshop, social media; booklet, LAT, communication channels; networking; events.

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ABBREVIATIONS AND ACRONYMS

ACRONYM	DEFINITION
EeB	Energy-efficient buildings
GA	Grant Agreement
LAT	Local advisory team
NewTREND	NEW integrated methodology and Tools for Retrofit design towards a next generation of ENergy efficient and sustainable buildings and Districts
WP	Work Package

1. EXECUTIVE SUMMARY

The Dissemination Activity Report – Year 3 is the final document that aims to provide a detailed report on dissemination activities that have been undertaken during the third and last year of NewTREND project. The NewTREND project (New integrated methodology and Tools for Retrofit design towards a next generation of ENergy efficient and sustainable buildings and districts) seeks to improve the energy efficiency of the existing European building stock and to improve the current renovation rate by developing a new participatory integrated design methodology targeted to the energy retrofit of buildings and neighbourhoods, establishing energy performance as a key component of refurbishments. Dissemination activities for the NewTREND project have been conducted in accordance with the project's Dissemination Plan (Deliverable 7.3 – available on-line¹).

The overall goal of NewTREND communication strategy is to identify and disseminate messages that are consistent, relevant and realistic. In the Dissemination plan is underlined how important it is that each project partner uses the same messages and wordings for communication purposes, might it be press releases and media relations activities, websites, project leaflets and brochures, events, conferences or lobbying activities.

¹ http://newtrend-project.eu/wp-content/uploads/2015/11/NewTREND_WP7_D7.3_DisseminationPlan_AM04_V5.0.pdf

2. DISSEMINATION ACTIVITIES – YEAR 3

The project's Dissemination Plan (Deliverable 7.3) was produced as planned and submitted as an internal deliverable to the NewTREND project partners at first, and then made public. This document outlines all of the planned dissemination activities for the project over its three-year duration. Below you will find a summary of what has been done during the third year of NewTREND project. Deliverable 7.4 Dissemination activity report Year 1 and Deliverable 7.5 Dissemination activity report Year 2 are already public².

2.1. NEWSLETTER

The third newsletter of NewTREND project was published and sent to NewTREND mailing list in the summer of 2018. After the end of the training sessions another newsletter will be made to sum up the latest news and another one will be disseminated after the final review. These newsletters aim to keep the public up to date on the latest developments of NewTREND project, and includes upcoming events, project progress and achievements, information on the project partners and other related news.

The third one can be downloaded here: <https://bit.ly/2nAqXMR>

- **NewTREND newsletter, summer 2018:**



You are receiving this newsletter because you subscribed on the site, are involved with the project, or because we believe that you might be interested in our updates. We apologize if we sent this in error. You can remove your address from our mailing list and we will not contact you again.

NewTREND newsletter, summer 2018 Updates on the project progress

Welcome to NewTREND!

Dear reader,
thank you for taking the time to keeping up with our project! These newsletters are brought out to keep you informed on the latest developments of NewTREND project, including interviews, upcoming events, project progress and achievements, information on the project partners and other related news. We would like to share with you the latest news in regard with the development of our technologies and the progress of our second (and last) half of the projects. NewTREND project is approaching its end but this doesn't mean that we don't have plans on working and presenting it for the future! Our latest booklets will be out soon and the last training session for NewTREND Computer design platform will be in less than two weeks in Helsinki, Finland!
Stay tuned!

the NewTREND consortium members

FIGURE 1 NEWTREND NEWSLETTER, SUMMER 2018

²http://newtrend-project.eu/wp-content/uploads/2015/11/NewTREND_WP7_D7.4_Dissemination-activity-report_Year1_V2.0.pdf)

2.2. WEBSITE

The NewTREND project website <http://newtrend-project.eu> was launched on 29th November 2015 (as scheduled in the DoW). The most important project results are being published there, and displayed in a clear and understandable format. Information about all partners and their role in NewTREND is included, together with in-depth details about the general objectives, work packages and developments.

The website includes a section for news updates, displaying up-to-date information about meetings, workshops, events and publications. All posts are easy to share on social networks by readers, and are published on the social network accounts of the NewTREND project. The homepage includes both a contact form and a newsletter subscription module, to ensure the widest possible dissemination of the project results.

In addition, all the public project deliverables, the booklets, the newsletters, the user manual and the factsheets are easily downloadable from the project website

The main website features are described in D7.2 Project Website; the website will continue to be developed and updated throughout the duration of the project.

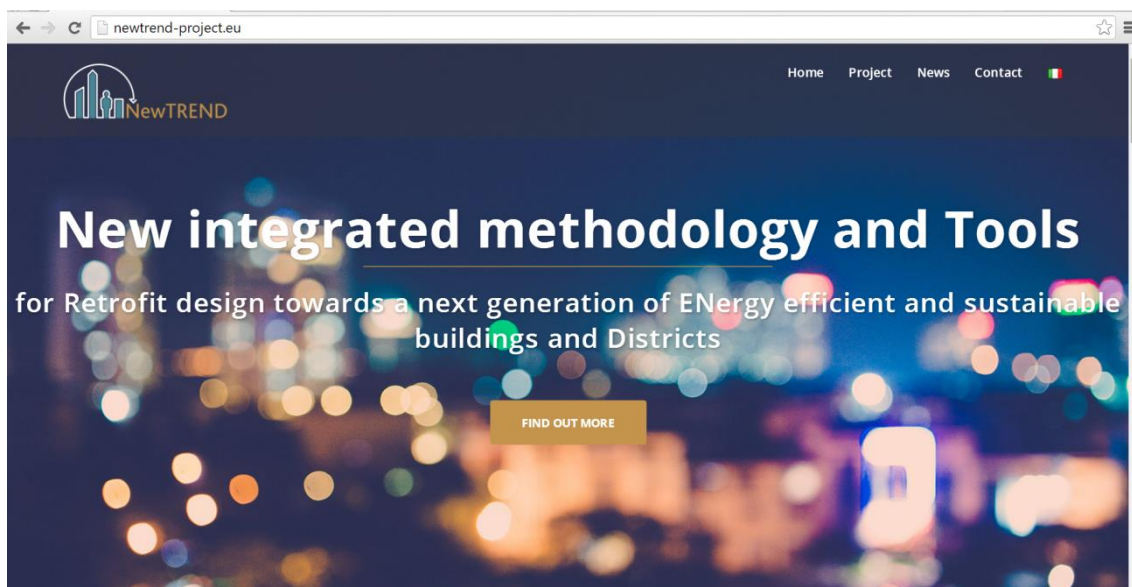


FIGURE 2 NEWTREND HOMEPAGE

Below are reported some statistics regarding the website activities and visits (updated to mid-August 2018):

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2015											306	538
2016	227	196	286	397	351	228	474	299	355	495	405	426
2017	309	403	538	335	447	320	298	290	405	329	254	340
2018	408	277	332	283	358	471	445	159				



FIGURE 3 WEBSITE STATISTICS

On the website, in the news section, can be found in-depth news, summary and pictures regarding projects meeting, Local Advisory Team meetings, workshops, training sessions and conferences attended by partners.

Category: News



NEWTREND SECOND REPORT ON LATS ACTIVITIES IS ON LINE!

Posted on February 14, 2018 • Giulia Barbagelata

The NewTREND project relies on Local Advisory Teams (LATs) to get the pulse of various energy stakeholders and periodically get feedback on project activities. The first round of LAT meetings was set by the NewTREND project during the first year of work, it provided a great deal of support in guiding the evolving...



NEWTREND TRAINING SESSION IN SANT CUGAT

Posted on July 25, 2018 • Giulia Barbagelata

As the NewTREND project is rapidly coming to an end, the consortium is not stopping, and is just getting started in showcasing the project results to relevant stakeholders throughout Europe. The technical partners joined forces with communication and exploitation partners to organize a set of training sessions with the in-fold goal of facilitating the adoption [...]



NEWTREND PRESENTED IN GENOA ON DECEMBER 1ST, 2017

Posted on December 5, 2017 • Giulia Barbagelata

On December 1st, 2017 Stam organized a workshop on energy and transports. The energy and transports sectors are closely interconnected and represent key elements for the creation of a Smart City. The European Union, which has strongly supported research in these areas, has created a framework to support research both at European level, such as [...]



4TH CESBA SPRINT WORKSHOP - SEPTEMBER 18TH-20TH, 2017

Posted on October 18, 2017 • Giulia Barbagelata

On September 18th-20th, 2017 some NewTREND partner participated to the CESBA SPRINT Workshop in Austria. 30 experts from 13 nations developed joint solutions for the development of the built environment. The 4th CESBA SPRINT workshop was organized by 9 European projects in collaboration with the Vorarlberg Institute of Architecture under patronage of the government of Vorarlberg [...]



NEWTREND 1ST LAT MEETING 4 NOVEMBER 2016, MUNICH

Posted on May 11, 2017 • Giulia Barbagelata



NEWTREND 4TH GENERAL ASSEMBLY MEETING, 22-23 MARCH 2017

Posted on May 23, 2017 • Giulia Barbagelata

The project partners met in Sant Cugat on...

FIGURE 4 NEWS PUBLISHED ON THE WEBSITE

2.3. FACTSHEET

The factsheets are two/four A4 page pdf files, focused on key NewTREND achievements. Contents include text files, images, diagrams and tables.

The first one was a general one, and presented the partners and objectives of the project.

The second factsheet had more specific contents with one part addressing the “Integrated Retrofit Design Methodology (T2.6)”, and another one about the “Technology Library implementation (T4.2)”

The third factsheet³ was published in June and contains information on the outputs of the LAT meetings and the planning on how the training activities were going to be arranged. Inside the factsheet there is a brief description of the tools developed by the consortium during the project

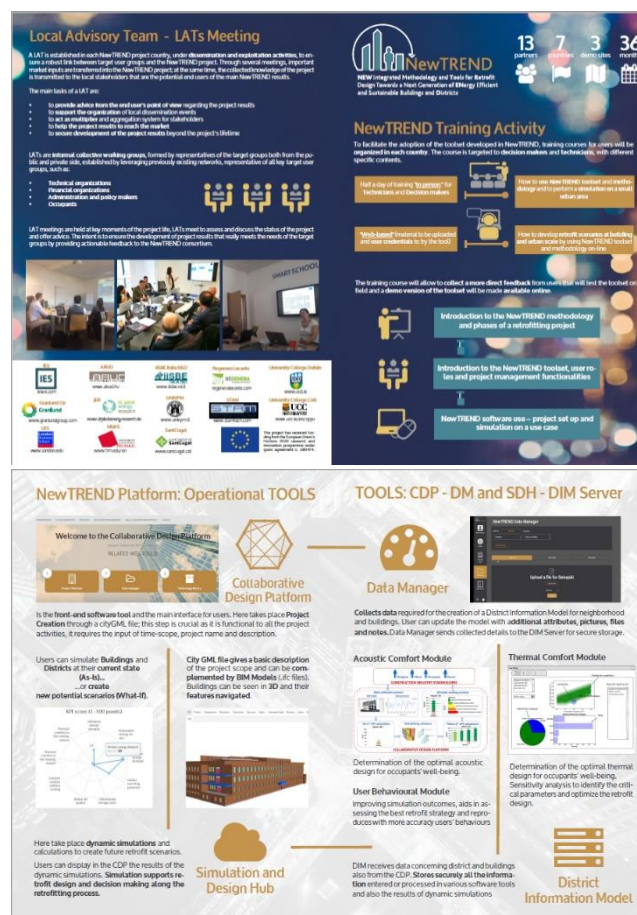


FIGURE 5 THIRD FACTSHEET

2.4. SOCIAL NETWORKS

³<http://newtrend-project.eu/wp-content/uploads/2015/11/NewTREND-3rd-factsheet-1.pdf>

Social network accounts have been updated for NewTREND on Facebook, Twitter and LinkedIn. The link to all the latest news regarding the project were published and shared. Especially on Twitter there was a significant growth in followers. Below is reported the improvement from Year 1, Year 2 and Year 3.



FIGURE 6 NEWTREND TWITTER PAGE SITUATION IN THE FIRST YEAR OF THE PROJECT



FIGURE 7 NEWTREND TWITTER PAGE SITUATION IN THE SECOND YEAR OF THE PROJECT

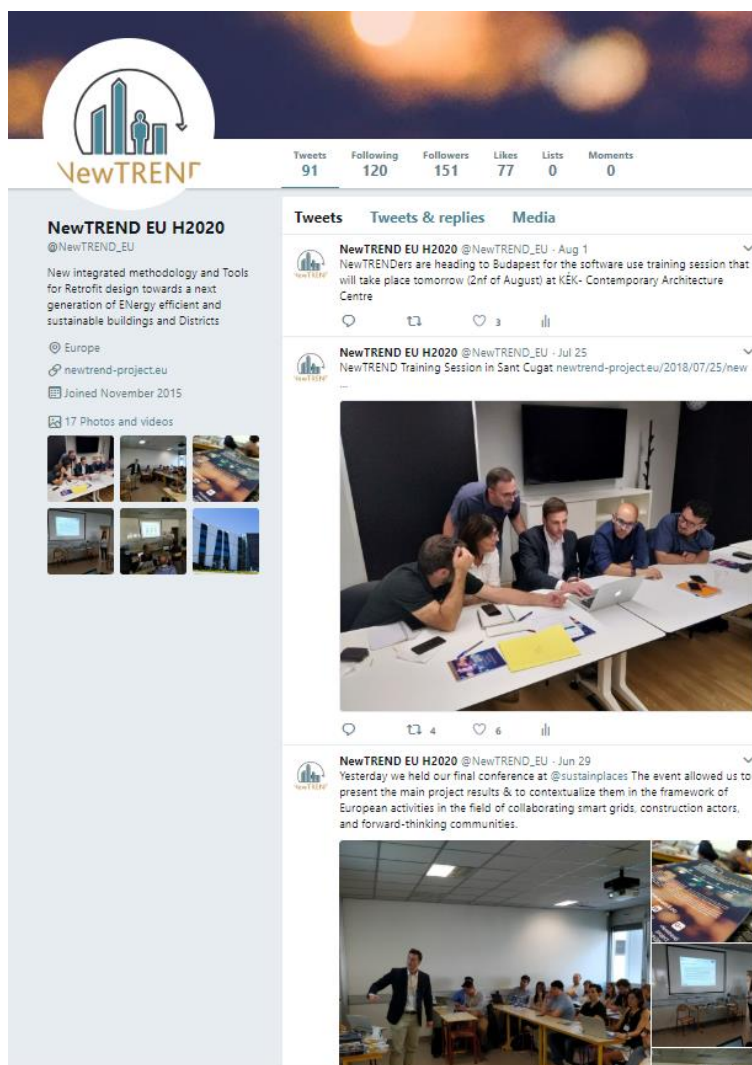


FIGURE 8 NEWTREND TWITTER PAGE SITUATION IN THE THIRD YEAR OF THE PROJECT

Also, on LinkedIn there was a significant growth in followers and engagement of visitors.

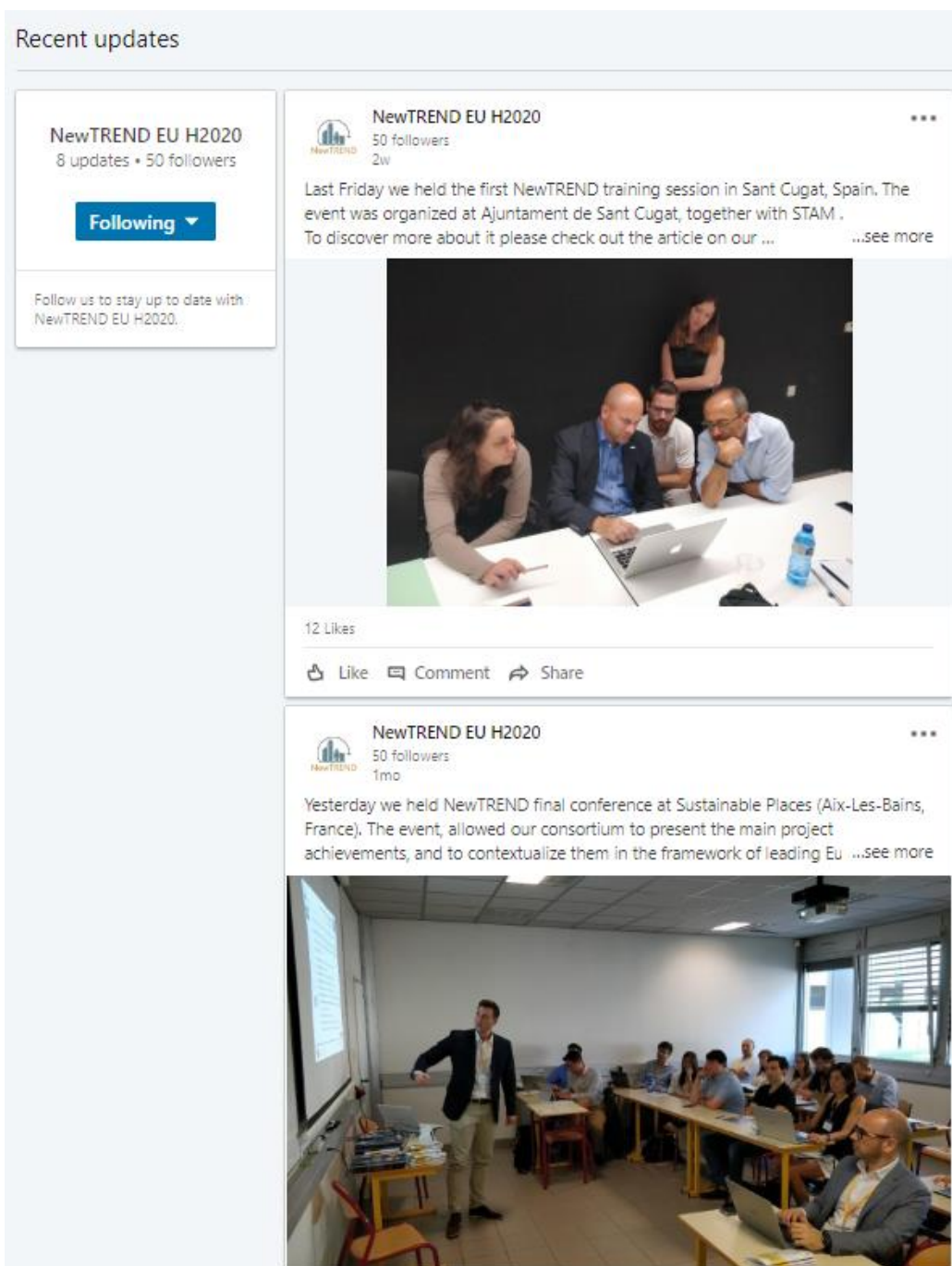


FIGURE 9 NEWTREND LINKEDIN PAGE

Update engagement @					Viewing 1 - 8 of 8			Show: 10 ▼
Update name	Date	Impressions	Clicks	Video views	CTR	Social Actions	Engagement	
Last Friday we held the first NewTREND training session in Sa... <small>All followers</small>	7/25/2018	362	14	-	3.87%	12	7.18%	
Yesterday we held NewTREND final conference at Sustainable Places... <small>All followers</small>	6/29/2018	740	258	-	34.86%	12	36.49%	
In less then one week we will be presenting our project result at... <small>All followers</small>	6/22/2018	350	14	-	4%	5	5.43%	
Today Marco Barbagelata presented the NewTREND softwa... <small>All followers</small>	6/4/2018	331	51	-	15.41%	10	18.43%	
Our NewTREND research team at the UCC Auld Quadrangle after a... <small>All followers</small>	3/15/2018	431	45	-	10.44%	8	12.3%	
NewTREND presented in Genoa on December 1st, 2017 <small>All followers</small>	12/5/2017	58	1	-	1.72%	1	3.45%	
4th CESBA Sprint Workshop - September 18th-20th, 2017 <small>All followers</small>	10/19/2017	93	2	-	2.15%	1	3.23%	
Web tool for finding the best energy retrofitting strategy -... <small>All followers</small>	9/29/2017	48	-	-	-	1	2.08%	

FIGURE 10 LINKEDIN VISITORS ENGAGEMENT ON THE LATEST POSTS



FIGURE 11 NEWTREND FACEBOOK PAGE

Those accounts are kept alive and updated on a frequent base with all the most important information regarding NewTREND project.

2.5. BOOKLETS

The booklets aim to sum up all the main NewTREND results. WP and task leaders summarize results after WP/task end.

The contents of the booklet should be as "easy to read" as possible to ensure widespread reading.

A word document must be produced by the group of involved partners. It includes:

- Index of contents
- Introduction
- Contents (organized in chapters/paragraphs), including images diagrams, tables. etc.

Booklet lenght: 30 - 60 Word pages (about 2000 characters each page, blank included). Below there is the updated situation; as shown, the first five booklets are already published and downloadable on NewTREND website. The last ones are being ultimate and will be ready and available by the end of the project.

n.	Booklet title	WP/Task/D eliv.	Partners	Deadline for final lay out
1	Value chain & design process in an IDP framework	T1.1 T1.2 T6.2	UCC STAM UCC	
2	Integrated retrofit design methodology	D2.6	MUAS	
3	Retrofit technologies	T4.1 T4.2	JER STAM	
4	Standards, ratings and sustainability design for retrofit projects	T5.4	ABUD iiSBE IT	
5	Pilot projects	T6.1 T6.2 T6.3 T6.5	ABUD UCC UCD ABUD	
6	LAT Meetings		iiSBE IT	Will be available by the end of Aug 2018
7	Tools of NewTREND's Platform		STAM	Will be available by the end of Aug 2018

TABLE 1 TIMELINE OF BOOKLETS' PUBLICATION



FIGURE 12 BOOKLET COVERS

2.6. LAT MEETINGS

The main strategy for NewTREND communication was to involve since the beginning the stakeholders in the project through the Local Advisory Teams (LATs).

A Local Advisory Team was established in most of the countries represented in the consortium and it will be active also beyond the project to exchange, disseminate and secure developments in this thematic field. In the countries where pilot projects are located (Spain, Hungary, Finland), the Local Advisory Team includes the design team and relevant stakeholders of the pilot project. The key stakeholders were reached through existing networks and direct contacts within the different LATs meetings. The LATs are considered an important multiplier and act as an aggregation system.

The first LAT meetings were held in Munich, Kondor Béla, Turin, Sant Cugat and Seinajoki in the Autumn of 2016; they provided a great deal of support in guiding the evolving tasks. The lessons learnt were

considered in order to arrange round two. Taking advantage of the positive feedbacks obtained, the 2nd LAT meetings were organized by Project Partners with greater awareness.

These LAT meetings were held during the end of the second year of the project (between June and November 2017), to obtain useful feedback from key stakeholders. They were focused on three main aspects:

- The Integrated Design Methodology (IDM) developed within the project and the project phases identified in this framework
- The Technology Library which was developed within the project to enhance the awareness of possible impacts of a certain retrofitting solution
- Presentation of the project Case Studies and the respective demo sites

A common agenda was developed in order to have a similar schedule for all the involved countries (involved countries are Spain, Finland, Hungary, Germany and Italy). Meeting attendees were partially different from those of previous LATs and it is important to underline the presence among the participants of end users of energy retrofitting projects, whose comments are highly relevant at this stage of the project. The 2nd LAT meeting was generally introduced by a complete overview of the project, followed by a presentation of the integrated design methodology. Then the moderator showed the Technology Library video put together by Stam to present the software tool and after that the conversation would focus on the project Case Studies and stakeholders' engagement.

Project partner and LAT activities coordinator iiSBE has finalized the collection of minutes for each country and analyses and summarized the outputs in DELIVERABLE D7.8: SECOND REPORT ON LATS ACTIVITIES (that can be downloaded here http://newtrend-project.eu/wp-content/uploads/2015/11/Attachment_0-1-1.pdf)

The 3rd LATs took place between June and July 2018 and was focused on the operability of the NewTREND platform. The 4ths are taking place back to back with the training sessions. The outputs of these activities will be collected in DELIVERABLE D7.9: THIRD REPORT ON LATS ACTIVITIES that will be delivered by the end of the project by iiSBE and uploaded on the website.

2.7. NEW TREND VIDEO PRESENTATION

A video that presents the project, its case studies, its accomplishments and its partners, was created by iiSBE and uploaded on-line⁴.

⁴ <https://youtu.be/OcIOux8GSto>



FIGURE 13 A SCREENSHOT OF NEWTREND VIDEO

2.8. TRAINING SESSIONS:

As the NewTREND project is coming to an end, the consortium is showcasing the project results to relevant stakeholders throughout Europe.

Coordinated by STAM, the technical partners joined forces with communication and exploitation partners to organize a set of training session with the tri-fold goal of facilitating the adoption of the software toolset developed in NewTREND, showcasing project results to potential Stakeholders, and collecting a direct feedback from users. Two more training sessions will be organized in Finland (21st of August 2018) and in Germany (late September 2018).

On the project website it was created a space precisely for the contents of the training sessions, in order to make possible even for people that weren't able to attend to exploit the content.

E-LEARNING - TRAINING SESSION MATERIAL

↓ Introduction to the NewTREND Training session

[Download now!](#)

↓ NewTREND methodology and phases of a retrofitting project

[Download now!](#)

↓ Introduction to the NewTREND toolset, user roles and project management functionalities

[Download now!](#)

↓ User manual for the NewTREND computer design platform

[Download now!](#)

FIGURE 14 E-LEARNING SLOT ON THE WEBSITE⁵

2.8.1. SANT CUGAT

On the 20 of July 2018 the consortium held the first NewTREND training session in Sant Cugat, Spain. The event was organized at Ajuntament de Sant Cugat, one of the project Demo Cases, which also supported and co-organized the event together with STAM.

The training session was attended by a dozen trainees, giving it an extremely interactive twist.

The new paper-version of the User Manual for The NewTREND Collaborative Design Platform (CDP) (downloadable in soft-copy on our website) was shared with them and they had the possibility to see it first-hand and provide us useful tips on how to improve it.

The outputs were positive, underlining the importance of what the project has achieved until now.

⁵ http://newtrend-project.eu/wp-content/uploads/2015/11/NewTREND_training-introduction.pdf



FIGURE 15 TRAINING SESSION IN SANT CUGAT

2.8.2. TURIN

On the 26th of July, it was held at the Energy Center the Italian training session and 4th LAT meeting, kindly hosted by iiSBE.

The audience was rather more technical than the one in Spain and the presentation was a fruitful dialogue among the Italian partners (STAM and iiSBE) and the attendees. The NewTREND software tools and its functionalities were presented and the public seemed engaged and positive about the project results and had the possibility to test the software, supervised by project partners.



FIGURE 16 TRAINING SESSION IN TURIN

2.8.3. BUDAPEST

On the 2nd of August, it was held in Budapest, the Hungarian training session.

In the colourful environment of the Contemporary Architecture Center partners from ABUD; MUAS and STAM engaged the audience in a live demonstration of the Computer design platform applied to the Hungarian demo. All the participant was willing to participate with the testing activities and credentials to try and navigate the platform were shared with them.

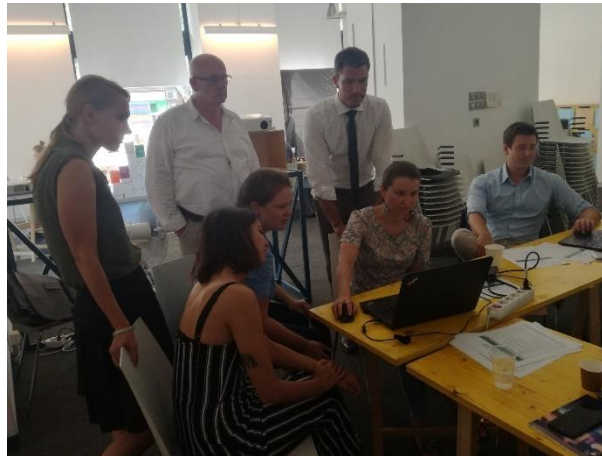


FIGURE 17 TRAINING SESSION IN BUDAPEST

2.9. CONSORTIUM DISSEMINATION ACTIVITIES

2.9.1. NON-SCIENTIFIC AND NON-PEER-REVIEWED PUBLICATION (POPULARISED PUBLICATION)

ADVANCED ENGINEERING INFORMATICS

UCD submitted (currently under review) an article "Semantically Defined Services for District and Building Information " that features the future contribute that NewTREND project will bring to the BIM sector.

BUILDING AND ENVIRONMENT

In 2018 UNIVP submitted an article in collaboration with ABUD (currently under review) titled: "Investigation on Window Opening and Closing Behavior in Schools Through Measurements and Surveys: A Case Study In Budapest" that features the future contributes that NewTREND project will bring to the market. The article will be published at the end of the project.

CONFERENCE: COLLOQUI.AT.E 2017 DEMOLITION OR RECONSTRUCTION?

In September 2017 UNIVP published an article titled: "Modelli comportamentali per la previsione dell'interazione finestre-utenti nel periodo estivo" that features the future contributes that NewTREND project will bring to the market. (relevant pages 507-516).

CONFERENCE: COLLOQUI.AT.E 2018 EDILIZIA CIRCOLARE TRA RECUPERO/RIQUALIFICAZIONE E RINNOVO/RIGENERAZIONE URBANA E ARCHITETTONICA

In 2018 UNIVP submitted an article (currently under review) titled: “Sistema Misura e Controllo Ottimale Luci Basato su Modelli Comportamentali” that features the future contributes that NewTREND project will bring to the market.

IBPC2018: INTERNATIONAL BUILDING PHYSICS CONFERENCE

In 2018 UNIVP submitted an article, that was accepted and will be published in late September 2018, titled: “A framework for comfort assessment in buildings and districts retrofit process” that features the future contributes that NewTREND project will bring to the market. The article will be published at the end of the project.

IEEE XPLORE

LBS submitted an article "Enabling automated transparency for the market participation of escos with blockchain " that features the future contributes that NewTREND project will bring to the market.

JOURNAL OF SENSORS

In 2018 UNIVP submitted an article (currently under review) titled: “Measuring occupants’ behaviour for buildings dynamic co-simulation” that features the future contributes that NewTREND project will bring to the market.

MEASUREMENT

In 2018 UNIVP submitted an article (currently under review) titled: “A soft-sensing approach for measuring acoustic comfort in buildings renovation” that features the future contributes that NewTREND project will bring to the market.

PROCEEDINGS OF THE CONFERENCE: BUILDING SIMULATION AND OPTIMIZATION 2018

In 2018 UNIVP (in collaboration with IES) submitted an article titled: “Data-driven Behavioural Modelling for Building Energy Simulation Based on Scripted Profiles” that features the future contributes that NewTREND project will bring to the market. (to be published in September 2018).

TEMA: TECHNOLOGIES ENGINEERING MATERIALS ARCHITECTURE

In July 2018 UNIVP published an article titled: “Measuring users-windows interactions in buildings: behavioral models for the summer season” that features the future contributes that NewTREND project will bring to the market. (relevant pages 1-12).

2.9.2. PARTICIPATION TO A CONFERENCE

Several conferences have been attended by representatives of the NewTREND project during the last 12 months of the project. These events have been used as opportunities to inform both the research/scientific community and Industry sector about the project and innovations in research resulting from the work conducted as part of the project. Project partners have given presentations about the project and discussed the project with conference participants. Links and further details about all events where the NewTREND project has been presented are displayed below:

8TH INTERNATIONAL CONFERENCE ON SUSTAINABLE DEVELOPMENT IN BUILDING AND ENVIRONMENT (SUDBE) (CHONGQING, CHINA, 4-7/11/2017,)

UCD presented the project (in particular “BIM/GIS and Modelica Framework for building and community energy system design and operation” at the 8th International Conference on Sustainable Development in Building and Environment (SuDBE), Chongqing, China

IEEE GENERAL MEETING (PORTLAND, OREGON, US, 4-8/8/2018)

On the August 2018 LBS participated to IEE General meeting with a presentation on primary research dissemination of broadening ESCOs business models to increased their liquidity and promoting the project results to present stakeholders.

LINKED DATA IN ARCHITECTURE AND CONSTRUCTION 2018(UNIVERSITY COLLEGE LONDON, ON THE 20TH OF JUNE 2018)

UCD presented the project (in particular Information Exchange using the District Information Model Server) at Linked Data in Architecture and Construction 2018, University College London, on the 20th of June 2018. The LDAC workshop provides a focused overview on technical and applied research regarding the usage of semantic web, linked data and web of data technologies for architecture and construction (design, engineering, construction, operation, etc.). The workshop aims at gathering researchers, industry stakeholders, and standardization bodies of the broader Linked Building Data (LBD) community.

NEWTREND FINAL CONFERENCE AT SUSTAINABLE PLACES (AIX-LES-BAINS, FRANCE; 27-29 JUNE 2018)

<http://www.sustainableplaces.eu/>

The project final conference was held at Sustainable Places (Aix-Les-Bains, France). The event, allowed the consortium to present the main project achievements, and to contextualize them in the framework of leading European activities in the commercial, technological and scientific intersections between Energy-efficient Buildings (EeB) and the collaborating smart grids, policies, construction actors, and forward-thinking communities. All the technical partners of the project were there to present the project results and its future developments.



FIGURE 18 NEWTREND FINAL CONFERENCE LEAFLET



FIGURE 19 SP18 NEWTREND FINAL CONFERENCE

SYMPOSIUM "NEXT GENERATION" (MUNICH, GERMANY, 26/6/2018)

https://www.hm.edu/allgemein/aktuelles/veranstaltungen/veranstaltung_detailseite_154371.de.html



FIGURE 20 NEXT GENERATION

MUAS organised the symposium in June 2018 and presented NewTREND project and its outputs to German stakeholders and local experts

FUTURE CONFERENCES

USIM CONFERENCE

IES submitted a paper titled: “Innovative design tools for renovation at building and district level” and will participate to the uSIM Conference, that will be held at the University of Strathclyde Glasgow, November 29-30 2018. uSIM 2018 - Urban Energy Simulation focuses on the evolution of building simulation tools and their application to larger scale energy systems - beyond the building. These include community energy schemes, building stocks, district heating, smart grids and multi-vector energy networks. Applying building simulation to these wider energy systems brings its own unique set of challenges in areas ranging from data acquisition for multiple buildings to software developments to accommodate external energy grids. uSIM will bring together experts from academia and industry to explore the key challenges and to progress the state-of-the-art in knowledge and capabilities.

2.9.3. PARTICIPATION TO A WORKSHOP

Several workshops have been attended by representatives of the NewTREND project during the last 12 months of the project. These events have been used as opportunities to inform both the research/scientific community and Industry sector about the project and innovations in research resulting from the work conducted as part of the project. Project partners have given presentations about the

project and discussed the project with conference participants. Links and further details about all events where the NewTREND project has been presented are displayed below

4TH CESBA SPRINT WORKSHOP (BEZAU, AUSTRIA, 18-20/09/2017,)

On September 18th-20th, 2017 some NewTREND partners participated to the CESBA Sprint Workshop in Austria. 90 experts from 13 nations developed joint solutions for the development of the built environment. The 4th CESBA Sprint workshop was organized by 9 European projects in collaboration with the Vorarlberg Institute of Architecture under patronage of the government of Vorarlberg. Among the others, NewTREND was one of the main organizing projects.

Six working groups dealt with respectively six issues for three days. The most important outputs were:

- A general framework for the assessment of spatial planning
- Quality criteria for the building culture – from buildings via neighbourhoods to the regions
- Developing principles for a European competition for good neighbourhood development

The focus within all working groups was set on the users and inhabitants of the built environment as well as on a common understanding within Europe.

The enthusiastic exchange showed that there is a high interest in common values within the European culture.



FIGURE 21 4TH CESBA WORKSHOP

ENERGY AND TRANSPORT WORKSHOP (GENOA, ITALY, 1/12/2018)

On December 1st, 2017 Stam organized a workshop on energy and transports.

The energy and transports sectors are closely interconnected and represent key elements for the creation of a Smart City. The European Union, which has strongly supported research in these areas, has created a framework to support research both at European level, such as Horizon 2020, and at regional level, through the definition of the Smart Specialization Strategy where local needs are addressed.

In this context, the Liguria Region has fostered the formation of Innovation Poles as governance tools to support regional policies for research and innovation.

There is a lot to gain by creating synergies between research and innovation at European level with its counterpart at regional level.

The workshop revolved around an in-depth description of the European project ENTRUST, which worked as a pivotal point to discuss related matters, from energy retrofitting of buildings to smart transports. The main focus of the ENTRUST project is to model energy transition in Europe and its economic and social implications. This gave the possibility to discuss hot-topics and to increase the audience awareness on the results and the potential of European research projects such as NewTrend in order to guarantee the best possible exploitation of research findings and available resources.

NewTrend was presented by Valeria Ferrando (IES) and Marco Barbagelata (Stam) to an Italian audience; they both highlighted the role of BIM and energy simulation within the innovative NewTREND framework for energy retrofitting projects.



FIGURE 22 ENERGY AND TRANSPORT WORKSHOP

2.9.4. PARTICIPATION IN ACTIVITIES ORGANIZED JOINTLY WITH OTHER H2020 PROJECTS

H2020 DOMINOES: TRANSACTIVE ENERGY CONFERENCE (LISBON, PORTUGAL, 28/06/2018)

<http://dominoesproject.eu/home/>

On the 28 of June 2018 LBS participated to h2020 DOMINOES with a presentation on ESCOs as community aggregators introducing NewTREND new business models

SMARTCEPS MEETING (STOCKHOLM, SWEDEN, 18-19/10/2018)

<https://smartceps.com/>

During the SmartCEPS meeting MUAS and ABUD had the chance to present NewTREND project to international stakeholders and local experts

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