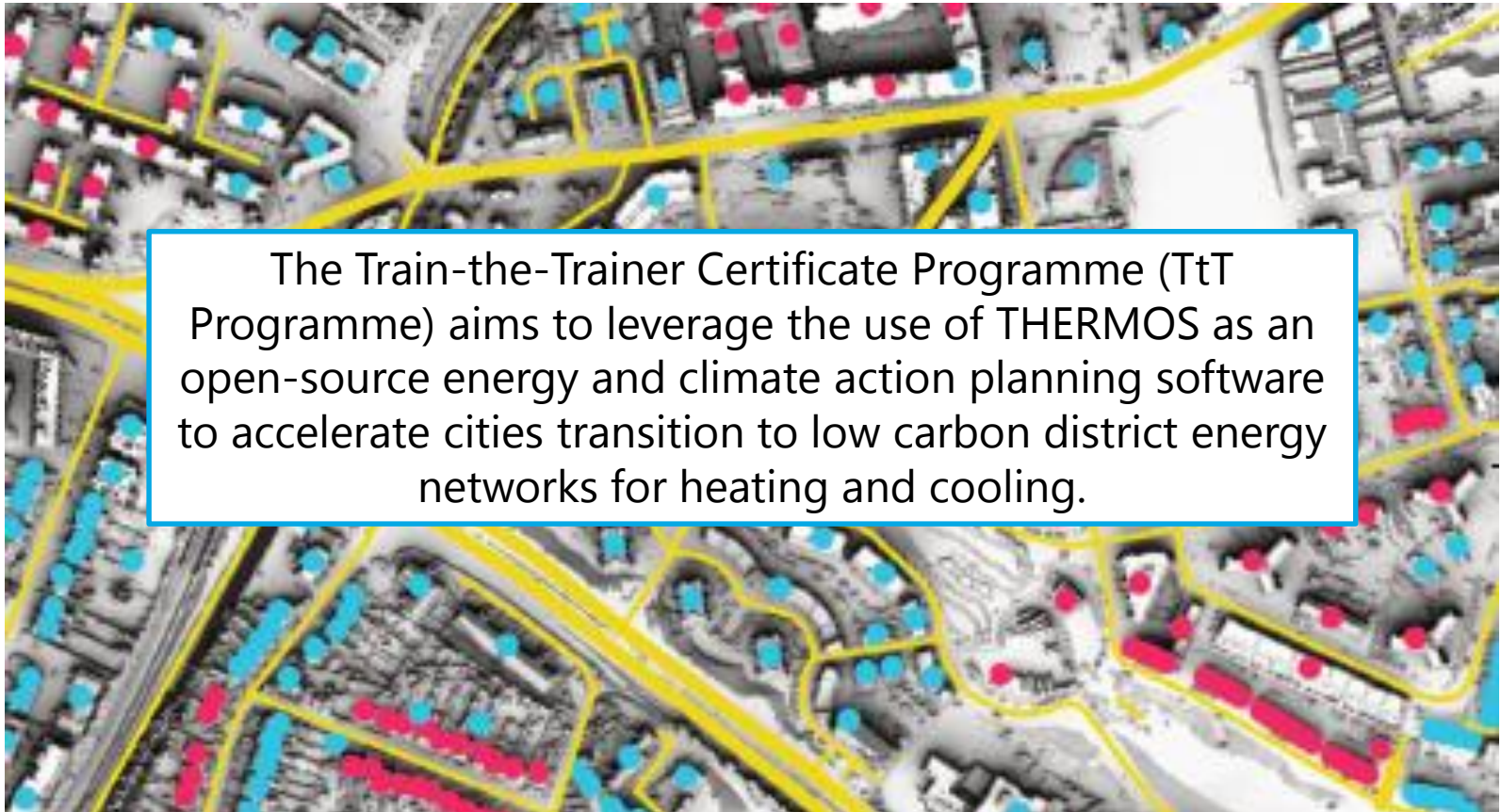




THERMOS Train-the-Trainers Programme

Pathway B – Fall 2019



The Train-the-Trainer Certificate Programme (TtT Programme) aims to leverage the use of THERMOS as an open-source energy and climate action planning software to accelerate cities transition to low carbon district energy networks for heating and cooling.



Become a THERMOS Trainer and use the tool for free!

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THERMOS Train-the-Trainer Certification Programme

Are you interested in supporting better heating and cooling planning and in implementing better projects and local sustainable energy and climate action plans in accordance with climate policy trends?

Work with and learn from THERMOS to enable a faster upgrade, refurbishment and the expansion of existing infrastructure and to accelerate the development of new low carbon heating and cooling systems across Europe.

Be amongst the first to test and apply the THERMOS software!

What is the Train-the-Trainers (TtT) Certification Programme?

The TtT programme aims to train local and regional energy authorities, energy agencies or representatives from public or private utilities, as well as other stakeholders managing local energy networks in using and applying the THERMOS software and to train them to train others.

Participants will be awarded a testifying certificate stating the competences and knowledge acquired, after a successful completion of an online webinar based training course and the development of a practical

Now more with a "hands on" experience of Version 5

Participating in the THERMOS training has allowed me to learn from other enriching experiences in DHC networks. The Train the Trainers programme gives you a general approach, not only to the THERMOS tool but also to all the key issues for planning a thermal network. I would recommend the programme to anyone interested in improving energy efficiency in urban areas.



THERMOS Trainer
Carlos Dapena
Parc de l'Alba



THERMOS Trainer
Carme Nadal
TubVerd

I personally found the THERMOS software very intuitive and easy to use. Its use makes it easy to obtain economic results of investment, exploitation and calculation of emissions, which at the same time facilitates the choice of different network options. In short, it allows significant time savings in calculations.

TtT Pathway B Certification Programme structure and methods

Kick-Off:
24 September 2019

At the end of the
programme, trainers
receive a Certificate of
Completion

Trainers are
encouraged to
participate in the TtT
Workshop in Berlin
6-Dec-2019

Method	Module / Content
<p>3 Instructor-Led Webinars.</p> <p><i>Hands on with THERMOS tool.</i></p> <p><i>Every 2 weeks</i></p>	<p>Webinar 1: Kick-off & energy system mapping and modelling with THERMOS. Sept 24th, 2019 - CET</p> <p>Webinar 2: Embedding THERMOS in your city. October 8th, 2019 – 16:00 CET</p> <p>Webinar 3: Optimizing thermal planning, resources and technologies with THERMOS Oct 22nd, 2019 – 16:00 CET</p> <p><i>Dedication: 1 to 1:30 hours per webinar</i></p>
<p>3 Recorded Webinars</p> <p><i>Dedication: 1:15 hours per webinar and questionnaires' response</i></p>	<p>Recorded Webinar 1: Thermal energy supply and demand in Europe.</p> <p>Recorded Webinar 2: Heating and cooling market and finance</p> <p>Recorded Webinar 3: Local stakeholders involvement for adopting THERMOS</p> <p><i>+ Webinar Follow-up Questionnaire</i></p>
<p>Self-study</p> <p><i>Dedication: 4 – 6 hours</i></p>	<ol style="list-style-type: none"> 1. Innovation catalogue 2. THERMOS User Manual 3. Scientific Publications
<p>Case Study</p> <p><i>Dedication: 6 -8 hours</i></p>	<p>Select your preferred option!</p> <ol style="list-style-type: none"> 1. THERMOS tool case study exercise



Objectives of the TtT Programme

- To provide trainers with the insights and knowledge to use and apply THERMOS tool for local district thermal energy planning.
- To provide trainers with the knowledge to understand the importance of district energy planning as a key driver to achieve low carbon development goals. (e.g. under the Covenant of Mayors).
- To train trainers for the practical use and dissemination and roll out of THERMOS tools in different cities in Europe.

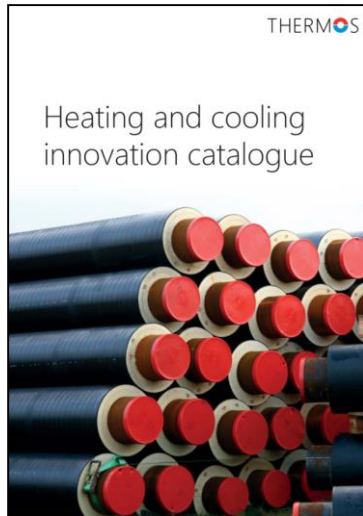


THERMOS TtT Programme Participants Profile

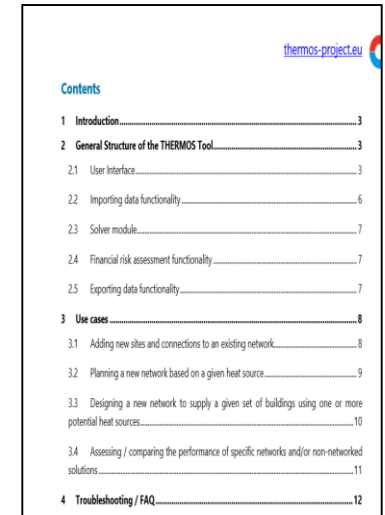
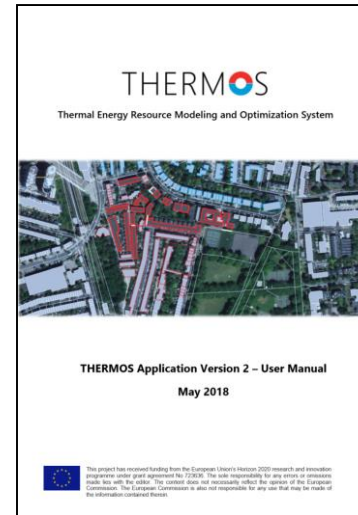
- Have a professional background on engineering, environmental sciences, urban planning and/or related careers.
- Have at least 1 year of experience in energy planning, energy management and/or urban infrastructure planning processes.
- Experience on the use of energy planning tools would be regarded as a plus.

THERMOS key learning material

THERMOS Innovation Catalogue



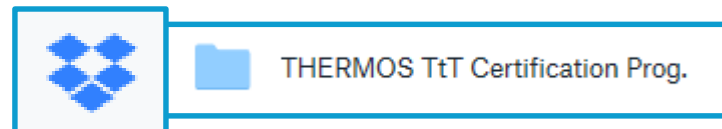
User Manual (V5)



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Publications and Scientific Papers

THERMOS Capacity Building Modules



What we need from you?

- Subscription to the THERMOS [newsletter](#)
- Attendance to the instructor led-webinars
- Watch the recorded webinars and answer the webinar follow-up questionnaire'.
- Successful completion of a practical exercise using THERMOS
- Optional!
 - Participation in the TtT Workshop in Berlin
 - Following the THERMOS social media accounts on [Twitter](#) and [LinkedIn](#)



Watch a glimpse of THERMOS Tool V5

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THERMOS tool

The THERMOS software is currently under development.

Sign up to our [newsletter](#) to be the first to know more!

THERMOS application version 5 - Demo

Area	Area ID	Area Type	Area Name
Area 1	00101	Area	Area 1
Area 2	00102	Area	Area 2
Area 3	00103	Area	Area 3
Area 4	00104	Area	Area 4
Area 5	00105	Area	Area 5
Area 6	00106	Area	Area 6
Area 7	00107	Area	Area 7
Area 8	00108	Area	Area 8
Area 9	00109	Area	Area 9
Area 10	00110	Area	Area 10

<https://youtu.be/r14L63Bf2t0>



To join the TtT Programme please register at:
<https://form.jotformeu.com/91574200881355>

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