



Technology and Research Committee

Friday 25 January, 09:00-11:00

Tiziana Buso

REHVA

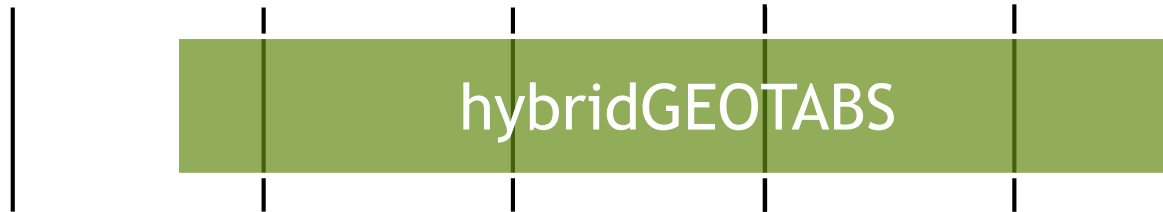
NEW TASK FORCE IDEA: HYBRIDGEOTABS-REHVA

hybridGEOTABS



Model Predictive Control and Innovative System Integration of GEOTABS in Hybrid Low Grade Thermal Energy Systems

2016 2017 2018 2019 2020



12 PARTNERS
including
uponor

REHVA tasks:

- Dissemination and training activities

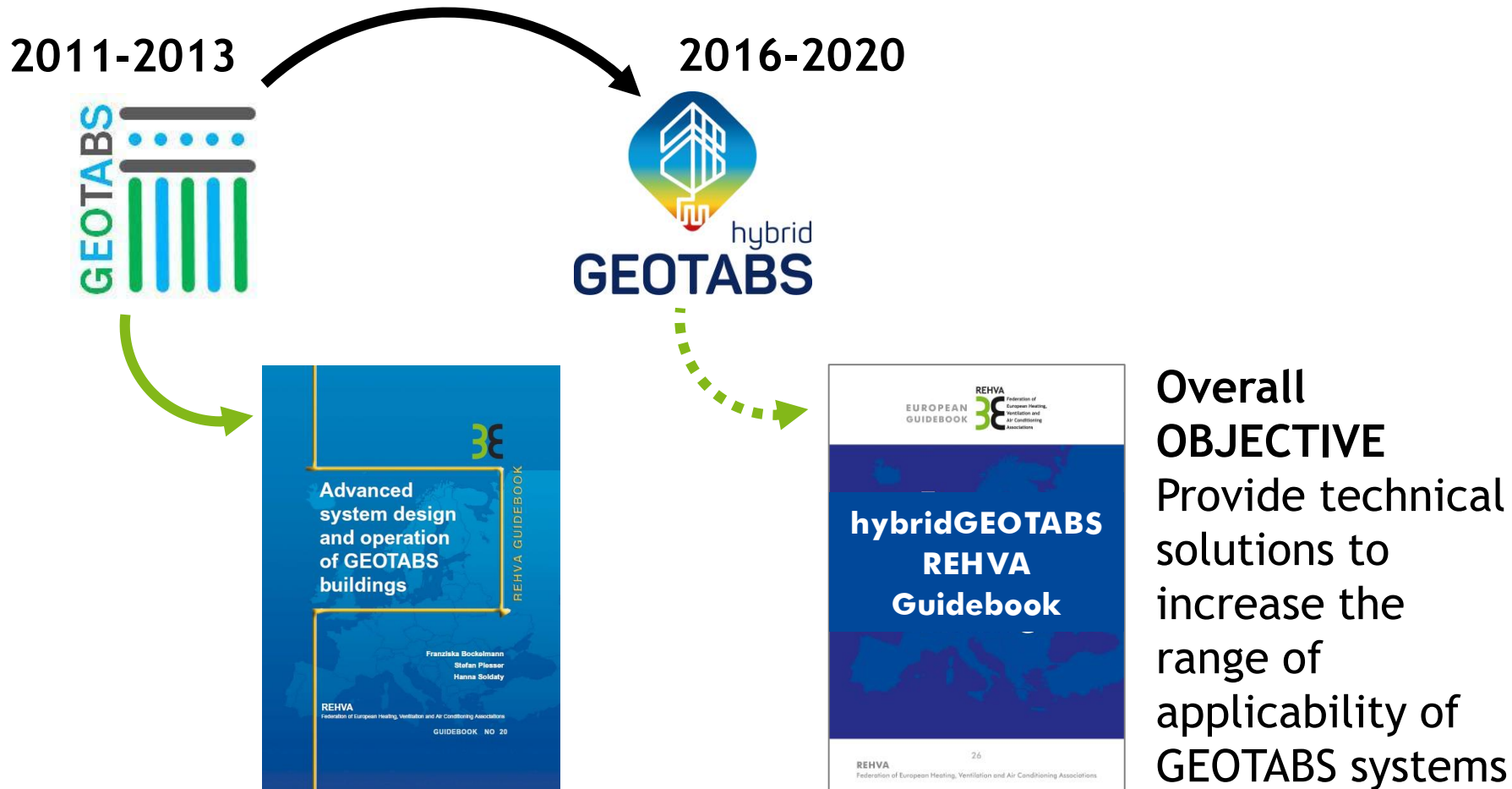
hybridGEOTABS

OBJECTIVES

- *Development of a holistically designed hybrid MPC GEOTABS system (geothermal heat pump + model-based predictive control (MPC) + thermally activated building system (TABS))*
- *A method of choosing and sizing the appropriate components for the hybrid MPC GEOTABS solutions*
- *An open automated toolchain for MPC for the hybrid MPC GEOTABS solution*
- *A detailed business plan to help promote the product and maximize the project impact and the groundwork for the establishment of a trade body*
- *Virtual validation to **LOOKING FOR** at least 3 real buildings*

TASK FORCE - TRC Members & hybridGEOTABS partners
Guidebook on hybridGEOTABS in 2020

hybridGEOTABS Task Force



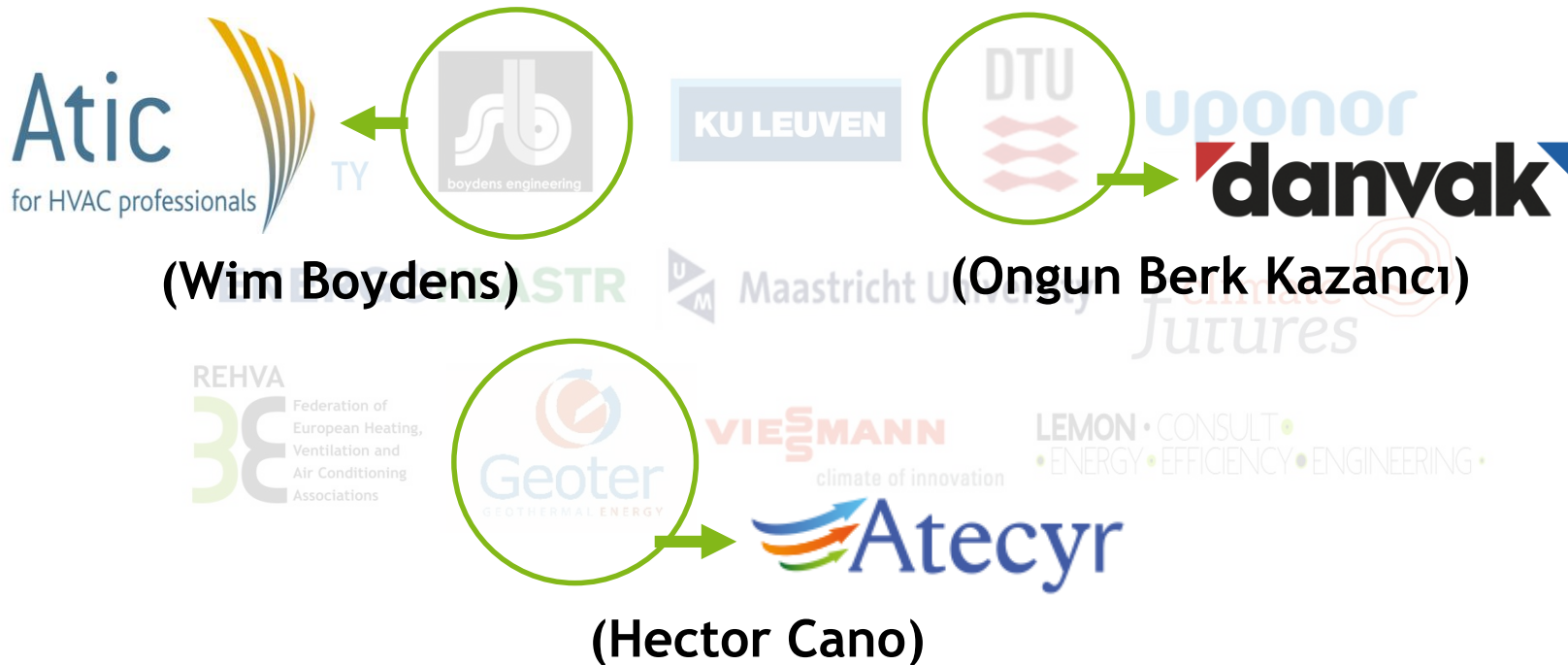
hybridGEOTABS Task Force

MEMBERS from the consortium



hybridGEOTABS Task Force

MEMBERS from Member Associations



Other interested MAs?

hybridGEOTABS Task Force

- **Work plan** to be presented in May 2019 TRC meeting
- **Financial sustainability** guaranteed by project funding
- The Guibebook is an **expected project outcome**

APPROVAL?