

European Technology and Innovation Platform on Renewable Heating and Cooling - Geothermal Panel - webinar

22nd October 2019



Draft agenda

- Brief introduction to the activities of the European Technology and Innovation Platform RHC: Javier Urchueguia, Chairman geothermal panel
- Introduction to the draft SRIA methodology: Philippe Dumas, EGEC
- Open discussion on the research priorities for the Strategic Research and Innovation Agenda (SRIA) on Geothermal H&C
- Next steps

Governance (2018-2020):

Steering Committee Members **Stefano Bonduà** (University of Bologna), **Riccardo Pasquali** (Terra GeoServ Ltd), **Attila Kujbus** (Geothermal Express Ltd.), **Javier Urchueguia** (Universidad Politécnica de Valencia), **Luc Pockele** (R.E.D. Srl).

Chairman: **Javier Urchueguia** (Universidad Politécnica de Valencia) - Spain

Vice-Chairman: **Luc Pockele** (R.E.D. Srl) - Italy

Activities 2019

- **Panel Meeting in Offenburg 15h February 2019:**
 - **Inputs for H2020 calls WP2019/2020**
 - **Discussion towards an Updated SRA on geothermal h&c for feeding Horizon Europe: KPIs, Roadmap, Research priorities**
 - **Reorganization of the Panel's Working Groups and appointment of WG leaders**
- **Launch of the RHC Horizontal Working Groups**
 - Geothermal delegates nominated:**
 - Cities (Ric),
 - Buildings (Robert),
 - Industry (Luc),
 - District & sub-urban (Attila),
 - Vision (Javier)

EGEC will also cover all HWGs as secretariat

Current ongoing activities

➤ Prepare inputs for Horizon Europe: WP 2021-2022

- Updated Vision for the geothermal heat sector to 2050 : To be prepared in parallel with RHC Vision. The work should be finalized in one year (by the end of 2020 at the latest).
- Research and innovation priorities on geothermal h&c: Inputs for Horizon Europe: by summer 2019
- Deployment and implementation strategy: End 2019-2020

➤ Prepare inputs for the main RHC Vision 2050

- State of technology and future outlooks

➤ GP web meeting 15th May 2019

➤ GP meeting at EGC 2019 in The Hague: 13 June 2019

➤ GP meeting in Brussels 24-25 September 2019 EUROPEAN RESEARCH & INNOVATION DAYS

GEOHERMAL PANEL current activities 2019 - 2020

- **Propose new topics for H2020-WP2020 on technologies and market uptake**
- **Prepare inputs for Horizon Europe: WP 2021-2022**
 - Updated Vision for the geothermal heat sector to 2050 : To be prepared in parallel with RHC Vision. The work should be finalized in one year (by the end of 2020 at the latest).
 - **Research and innovation priorities on geothermal h&c: Inputs for Horizon Europe: October 2019**
 - Deployment and implementation strategy: End 2019-2020

Presentation of the Panel's Working Groups

WG1 Ground coupling = subsurface technology incl. open systems and UTES

➤ **Leader Guus Van Gelder (Groenholland)**

WG2 Shallow Resources = system integration and h&C demand, hybridization

➤ **Leader Philipp Blum (KIT)**

WG3 Non-technical barriers for geothermal h&c technologies = financing, regulations, qualification

➤ **Leader Ric Pasquali (Geoserv)**

WG4 Deep geothermal heating and cooling supply and demand

➤ **Leader Luca Guglielmetti (UNIGE)**

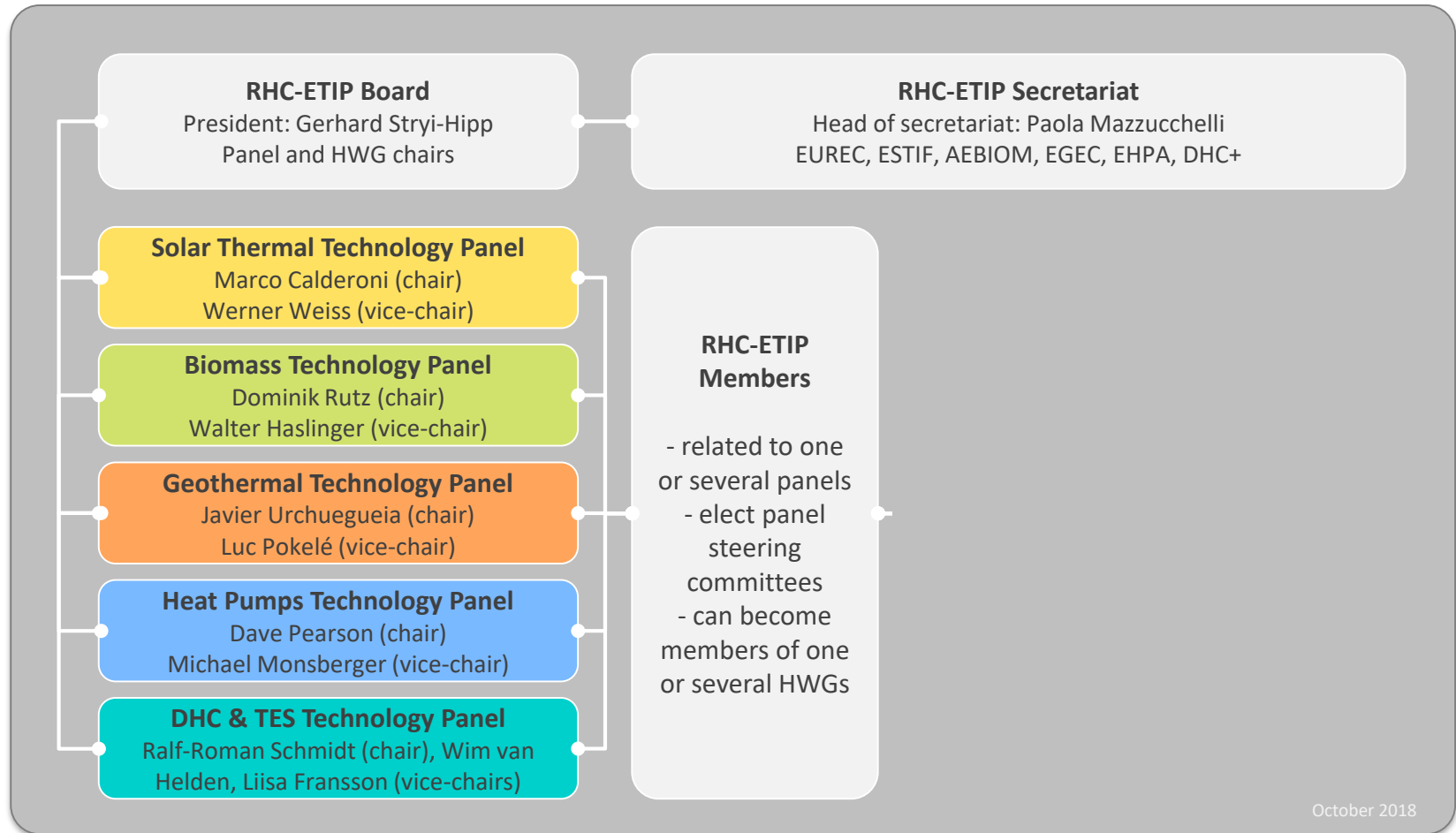
Environment and quality aspects will be treated as a transversal topics.

Facing the new RHC scenario towards 2030

The new RHC ETIP scenario

- TOR 2014: the role for the RHC-Platform was redefined and extended
 - Market aspects were included
 - Integration is more and more in the focus
 - Calls are increasingly unspecific about which technology is to be favoured
- New TOR 2019
 - The demand side comes into the foreground
 - Creation of the Horizontal Working Groups
 - Change in the Structure of the RHC

RHC-ETIP structure

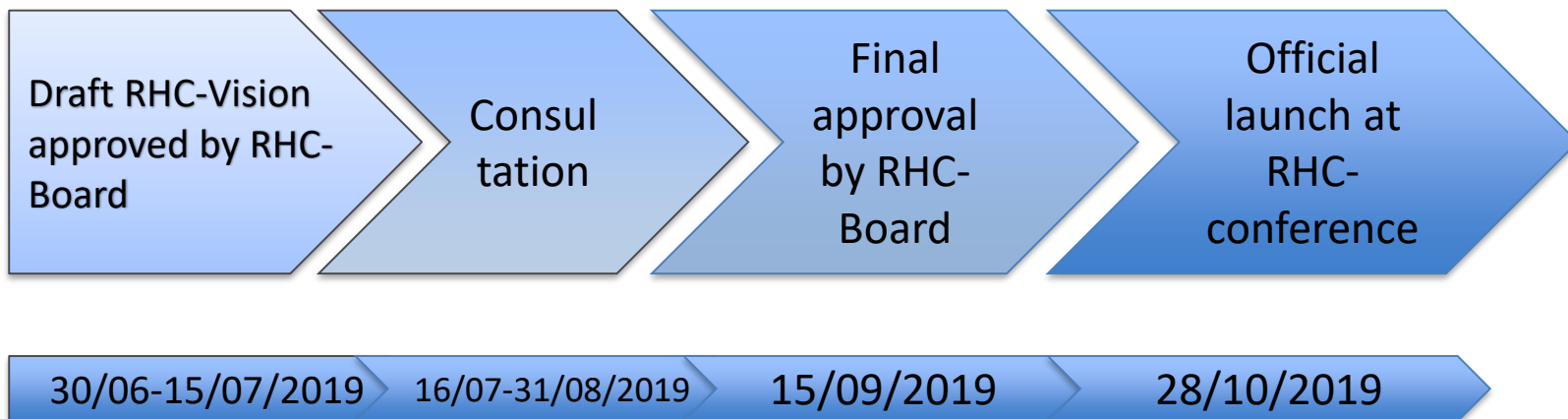


October 2018



- 28th October 2019 in Helsinki:
 - Technology workshop 9.00-12.30
 - Policy workshop 13.30- 17.30
 - Cocktail at town hall together with opening Nordic Energy Forum

HWGs meeting on 29th October 9.00-12.30



After official launch, dissemination activities with selection of events



Thank You!