

REHVA



Federation of
European Heating,
Ventilation and
Air Conditioning
Associations

Activity plans 2017

**REHVA Standing
Committees**

**REHVA Annual
Meeting**

London, UK

02-04 April 2017



Activity plans of the Standing Committees for the year 2017

Introduction

Under the supervision of the board, the following Standing Committees are defining their yearly programmes. Each Standing Committee has Core Members and Corresponding Members and corresponds with each other by face-to-face meetings and WebEx meetings.

In this document, each Standing Committee informs about their activities in 2017. Some overlapping is unavoidable concerning these activities and described outcomes. Sometimes, more than one Standing Committee is working on our networking activities, seminars, workshops, activities together with MoU partners, etc.

External Relations Committee (ERC)

1. Committee's Internal Organisation

The ERC has a chair, co-chair and core-members that are expected to participate all meetings and interested corresponding members. If core-members are not participating during one year, they will become corresponding members.

REHVA staff supporting ERC: Anita Derjanecz, Chiara Girardi, Nathalie Wouters

There is yearly one meeting during the General Assembly (face to face) and if needed a second meeting in the autumn, generally in conjunction with other REHVA meetings in Brussels, this meeting could also be done electronically.

At least 4 weeks before each meeting, the REHVA staff will send the notice on the meeting with the Annual Meeting invitation. The meeting agenda and additional documents are distributed at least 1 week before the meeting. These documents are prepared in cooperation with the chair person.

The chairperson and co-chairperson are voted by the committee, and appointed by the board on nomination of the ERC for a period of 2 years. Decisions are taken by majority vote.

2. Strategic Objectives of the Committee

The objectives of the External Relations Committee include:

- EU: Identify the need for liaisons, MoU's and other cooperative actions connecting REHVA with European institutions and organisations that are of mutual interest respecting the scope of REHVA and its members.
- Global: Identify the need for liaisons, MoU's and other cooperative actions connecting REHVA with organisations active in the global area that are of mutual interest respecting the scope of REHVA and its members.
- To identify the broad resources available both financially and in volunteer time.
- Recommend to the REHVA Board and the people in charge for achieving these tasks within the available resources.
- Follow up and develop further the activities between REHVA and selected organisations.

3. Strategic Activities of the Committee in 2017

The external relation activities of REHVA have 3 main priorities:

1. EU public affairs: liaising with the institutions and services of the European Union, the European Commission, and the European Parliament. REHVA aims at advocating indoor environment quality and buildings energy efficiency, at influencing the development of buildings related EU policies and at supporting the national level implementation of EU policies in the field of HVAC.
2. Networking and cooperation with EU level professional organisations and bodies in the construction sector that are active in the field of buildings energy efficiency, indoor environment quality and sustainable energy: federations of architects, civil engineers, contractors, HVAC manufacturers, facility managers, construction industry, as well as

EU level technology platforms and initiatives. The objectives of REHVA in this field are the professional networking and the joint representation of interest at EU level as well as the knowledge exchange and the promotion and dissemination of innovation and knowledge in the sector.

3. Cooperation with HVAC association outside Europe and with global alliances that have similar mission like REHVA. REHVA aims at exchanging knowledge and at promoting European HVAC technologies, standards and knowledge in this field and where possible advocating for a harmonised global approach in the fields of among others: buildings energy efficiency, indoor environment quality and sustainable energy.

4. Expected Outcomes in 2017

a. EU Institutions and public affairs

EU policy issues to be followed-up in 2017:

- Energy Union
- European voluntary building certification scheme
- EPBD review and the Clean Energy for All Europeans package
- EU energy research roadmap (SET Plan, Horizon 2020, joint research initiatives, technology platforms)
- EU standardisation: EPBD related standards; participation in EPB Centre
 - DG ENER: keeping liaison with personal contacts, inviting high-level officials to REHVA events
 - EASME/ERA: Participation in HORIZON 2020 projects, inviting Project advisors as speaker to REHVA events
 - EP ITRE & INIVE committees: follow-up their policy agenda and contribute to the first reading process of the EPBD review

b. Networking and cooperation with EU level professional organisations

- **Eurovent/Eurovent certification:** continue technical issues, common events, and exchange of speakers. REHVA will start the work on the Commissioning Supervision Certification Scheme project as joint venture with Eurovent SC in 2017.
- **INIVE/AIVC:** participating in board meeting AIVC, cooperation/supporting AIVC workshops and projects; MoU to be signed with INIVE/AIVC.
- **European Construction Technology Platform (ECTP):** ECTP is a public private partnership. ECTP was launched by the construction sector in October 2004 to develop new R&D&I strategies to improve competitiveness, meet societal needs and take up environmental challenges. It gathers around 170 member-organisations from the whole supply chain of the Built Environment. ECTP is involved in the definition of the EU research agenda (SET Plan), influences Horizon 2020 call topics and is a hub for project development and partner search for EU projects. REHVA is in ECTP since 2013. REHVA attends the General Assemblies, committee meetings and events organised by ECTP in 2017 in Brussels.
- **Venticool** has invited REHVA to sign an MoU. The [venticool](#) is a platform managed by INIVE that works in cooperation with the IEA EBC Annex 62 – Ventilative Cooling. The

overall goal of the platform is to increase communication, networking and awareness raising to mobilize the untapped energy savings potential. The scope of venticool covers natural, mechanical and mixed-mode ventilation.

- **Industry associations:** REHVA has liaisons with many Brussels based EU level associations, such as **EVIA, EPEE, EHPA, eu.bac,** and **EHI**. Main activities continued in 2017: exchange of speakers, attending meetings, cooperation in joint field of interests and EU projects.

c. Cooperation with HVAC association outside Europe 2017

REHVA holds a MoU with the following organisations:

- **ASHRAE: 2017:** REHVA seminar at the ASHRAE Winter meeting, 29/01-1/02 2017
Ongoing discussion with ASHRAE on upgrading the MoU (expected April 2017); additional to this
- **ASHRAE/CIBSE/REHVA Triparty Strategic Partnership Agreement:** this 3-year agreement was unanimously accepted by BOD ASHRAE and is expected to be signed in April 2017
- **CCHVAC: 2017:** REHVA-CCHVAC workshop or next event CCHVAC 2018?
- **ISHRAE: 2017:** continuous cooperation during ACREX 2017: participation at ACREX and offering IEQ Workshop
- **SHASE :2017** on December 1st, they will celebrate their 100 years' anniversary.
- **SAREK**
- **ABRAVA:** For the year 2017 (September), a large conference will be organised in Sao Paulo and ABRAVA is expecting the participation of REHVA. (Recently contact, the former President of ABRAVA, Wadi Tadeu Neaime, who is now the president of FAIAR (Latin-America Federation of HVAC Associations). We talked about the possibility of having a student representing FAIAR in the next years of REHVA World Student Competition. In principle, it would involve signing also an MoU with FAIAR)
- **IIR:** Events in conferences, exchange of articles and publications
- **IBPSA: 2017:** Building Simulation 2017 conference is promoted

REHVA is considering participation in organisations at global level:

Discussion about cooperation ASHRAE-REHVA in Europe

After a presentation in the ASHRAE BOD on REHVA and its strategic position by Jaap Hogeling, the discussion on EU-region took place: this was a lengthy debate with some opposition from RAL officers. It was clearly stated that ASHRAE members' council and ExCom have been in favour and tabled the motion establish a European Region.

As this is a fundamental change in the BOD-rules, a 60-day waiting period is required to have a final vote. A straw-vote was quite convincing positive.

The final voting results will be known by March 30, just in time to finalise the discussion on the MoU ASHRAE-REHVA during the REHVA General Assembly in London.

- **Indoor Environmental Quality - Global Alliance (IEQ - GA):** REHVA signed in 2014 a MoU with 5 organisations to prepare the establishment of this General Assembly. It is expected that an agreement on the GA by-laws will be reached by summer 2017. REHVA will be

asked to contribute to the administrative costs in the coming years, these costs will be shared by all partner organisations.

- **HVAC&R-Global Alliance:** This idea is under construction, it is expected that more concrete actions will follow during 2017-2018.

5. Meetings

- London, 2 April 2017
- Brussels, 13 November 2017 during the REHVA Brussels Meeting

6. Members

Core members

Jaap Hogeling – Chair
Cao Guangyu
Francis Allard
Hans Besselink
Ioan Silviu Dobosi
David J. Fisk
Karel Kabele
Juan Travesi

Corresponding Members

Jarek Kurnitski
Francesca D'Ambrosio
Othmar Brändli
Christian Feldmann
Manuel Gameiro da Silva
Mikko Iivonen
Jean-Michel Navarro
Macit Toksoy
Livio Mazzarella

Technical and Research Committee (TRC)

1. Committee's Internal Organisation

a. Chairs and membership

The TRC has a chair (Jarek Kurnitski) and 2 co-chairs (Ivo Martinac and Livio Mazzarella). The TRC has core members with voting right and corresponding members without voting rights. In 2016, the TRC renewed its membership and asked every Member Associations and TRC members to delegate, reconfirm or cease membership in the committee. TRC core members that haven't attended any meeting for a year will be automatically moved to the list of the corresponding members.

b. Organisation of the TRC work

TRC works as a whole committee, and has a division into Task forces, which have separate working meetings and other events if necessary. The TRC will have 2 face to face meeting per year, one of these in spring combined with AM events and another in fall combined with other committee meetings and REHVA seminar. Additionally, TRC has at least 2 WebEx meetings for the whole committee so that the meeting interval will not be longer than 3 months. Task Forces organise meetings according to the needs.

2. Strategic Objectives of the Committee

The objective of the REHVA TRC is to develop and disseminate technical information for the benefit of REHVA members and supporters, to enhance the development of standards, to promote research in the related fields at European level, and to increase the visibility of REHVA in Europe through EU projects and through EU public affairs and political advocacy.

REHVA TRC cooperates in technical issues with REHVA members and supporters, as well as European and international organisations with similar objectives as REHVA. Such organisations are CEN, EUROVENT, EVIA, ISIAQ and others. The activities to achieve these objectives include among others:

- Development and follow-up of the work at REHVA technical Task Forces
- Development of common working groups with co-operating organisations,
- Organisation of technical seminars and workshops,
- Development of technical publications like guidebooks and reports,
- Participation in EU-projects, dissemination of project results among members
- Exchange of technical information through articles in REHVA journal, newsletter and website
- Establishment of expert networks and data banks within REHVA

3. Strategic Activities of the Committee in 2017

a. Development and dissemination of technical information: task forces, publications and seminars

Task Forces and Guidebooks

The TRC will seek new ways of co-work and develop a strategy on how to boost technical co-operation among REHVA experts. The TRC aims at producing at least a couple of guidebooks, reports or other useful publication for professionals per year with good market potential developed by REHVA Task Forces. The outcome of the work of a Task Forces can be printed and

electronic guidebooks and reports, as well as other useful tools and materials to spread knowledge among practitioners. TRC seeks actively for professors and experts who like to volunteer to write such documents, following the process where working plans are to be approved by TRC, then documents will be prepared by Task Forces and reviewed by TRC nominated experts, and published as electronic or printed REHVA documents. Decision to print a guidebook or other document will be done by Publication and marketing committee PMC.

In 2017, The TRC will work on the following new topics for Task Forces and concentrate the resources on coordinating and supporting the work of well-defined activities. The TRC chair and co-chairs shall actively engage in the work of selected Task Forces. The indicative list of new topics:

- Commissioning supervision certification (ESC-REHVA joint venture)
- Life-cycle quality management of buildings (QUANTUM project)
- Residential heat recovery ventilation guidebook

The TRC together with the PMC will identify topics for new Guidebooks/Reports or other marketable outcomes for mid-term based on identified market needs for the capacity building of professionals.

Task forces in 2017 - indicative list

<u>Title</u>	<u>Chair(s)</u>	<u>Outcome</u>	<u>Date of publication</u>
Displacement ventilation, revision of GB1	Risto Kosonen	Guidebook	2017
Commission supervision certification	TBD	Supervision protocols	2018
Commissioning and life cycle quality management of buildings	Ole Teisen, Stefan Plesser	Guidebook, TBD	2019
nZEB technologies and nearby renewable energy production	Jarek Kurnitski	Revision of the Report	TBD
A/C Inspection	Jorma Railio, Ian Knight	TBD	TBD
Smoke management	Othmar Brändli	Guidebook	2017
Indoor environment in historic buildings	Francesca R. D’Ambrosio	TBD	2017
Residential ventilation	Jarek Kurnitski	Guidebook	2018
NZEB Hospitals	Wim Maassen	TBD	TBD

REHVA Journal

The TRC will continue identifying good technical articles to be published in the REHVA Journal. Also, the papers presented in REHVA supported conferences will be a source of articles, and supporting members will be invited to submit papers as well.

REHVA seminars

The TRC will organise workshops and seminars in connection with REHVA events (CLIMA 2016, Annual Meeting, October seminar in cooperation with Supporters committee) and support

seminars, which will be organised in connection with exhibitions and conferences. Main events in 2017:

- REHVA seminar at the Annual Meeting 2017
- REHVA Supporters' Seminar
- Seminars with REHVA Member Associations: REHVA Seminar at CLIMAMED 2017, REHVA seminar at ISH 2017, Frankfurt
- Seminars with MoU partners: ASHRAE winter meeting, ACREX 2017

b. EU policy, position papers, cooperation with European organizations

EU policies and REHVA advocacy

In 2017, TRC will continue to operate as an Expert Group for EU policy and advocacy to be able to react quickly and proficient to the requests and invitations of the European Commission. The core members shall be available on short notice to provide expert input on defined issues (depending on the relevant EU policy agenda).

EU policy dossiers to be followed in 2017:

- EPBD review: REHVA will continue to contribute to the review process of the EPBD, develop REHVA position papers on the EC proposal, follow the first review of the European Parliament and organise a meeting with MEPs
- EED review: REHVA will contribute to the review process that regards the individual metering issue in buildings, follow the first review of the European Parliament
- Energy Union and the big policy packages of the Commission
- Ecodesign and Energy labelling: REHVA will follow the updates and new work plans on Ecodesign
- EU Strategic Energy Action Plan (SET Plan): participation in stakeholder meetings, commenting on the strategic documents of DG ENER and DG RDI
- Smartness indicator and core indicators for buildings environmental performance assessment: REHVA will follow these DG ENER and DG Environment development processes

Co-operation with other technical organisations

TRC will assist ERC to develop co-operation with selected **European technical organisations** with similar goals as REHVA, these organisations may include CEN, ASHRAE, AIVC, Eurovent, EVHA, IIR, Architects Council Europe, ISIAQ, etc. The TRC will monitor the REHVA involvement in these organisations in cooperation with the ERC. The general cooperation with technical organisation and MoU partners is the competence of the ERC that will inform the TRC about their activities. Specific, RTD related issues shall be handled by TRC.

Co-operation with MoU partners is the responsibility of the ERC. The TRC contributes to the organisation of REHVA events with the MoU partners as well as by participating in these events as experts.

c. REHVA visibility at EU level activities: projects, standardization

CEN and standardisation

REHVA participates and follows the European standardisation work through TRC core and corresponding members involved in the CEN committees working groups as representatives or nominated experts of national standardisation bodies. A possible new committee to follow is CEN TC 442 - Building Automation Modelling. REHVA will cease the paid liaison status with CEN and the TRC.

To support the implementation of EPBD and the EPB standards, TRC will identify Task Force and guidebook topics from approved EPBD standards with the aim to develop guidance and tools for professionals to start to utilize of the upcoming standard package. REHVA will join a new organisation called EPB centre as shareholder with ISSO, and NEN. The aim of the EPB Centre is to continue the coordinated dissemination, promotion, and provide guidance to application of the new EPB standards. REHVA can play a key role in disseminating support tools, guidance documents, educational units for courses and webinars to help professionals applying the standards and connected tools.

EU-projects and tenders with REHVA participation

The TRC will be involved in certain EU projects and tenders related work of REHVA as listed below.

- **MPC-GT project** (Model Predictive Control and Innovative System Integration of GEOTABS in hybrid Low Grade Thermal Energy Systems). The MPC-GT consortium has identified a potential integrated solution that will provide a near optimal design strategy for the MPC GEOTABS concept, using control integrated design. REHVA will update its GEOTABS guidebook using the project results.
- **QUANTUM project:** (Quality management for building performance - improving energy performance by life cycle quality management) REHVA will set up with TRC experts will join the Task Force to be set up within the project, coordinated with the Building Commissioning Task Force.
- **BUILD UP3:** TRC experts are invited to contribute to the content developed for Build Up by writing overview short articles, or blog posts, as well as speakers of webinars, or to provide short information alert about the EPBD implementation related new developments. The aim is to set up a list of “country referents” sending regularly information to REHVA Office.

REHVA has also projects where the TRC is not directly involved, only receives updates if requested.

- **PROF-TRAC** (PROFessional multi-disciplinary TRaining and continuing development in skills for NZEB principles): in 2017, the project will enrol REHVA Member Association for a 2nd Train-the-Trainer session and develop the EU level qualification scheme. The project will be presented at the next REHVA Education and Training Committee meeting.

A detailed description and updates on the EU projects is available on the website of REHVA, in the section [“EU Projects”](#).

4. Expected Outcomes in 2017

Illustrate how the activities that have been implemented should improve the Committees’ and REHVA’s activity (both with a quantitative and a qualitative analysis); please, link the expected outcomes to the strategic activities pointed out at Section 3 (Strategic Activities).

- 3 guidebooks published
- 2 position papers
- 2-3 new task forces started
- Annual seminar and October seminar organised with cooperation of Supporters Committee
- Promoting a topic of Indoor environment and ventilation minimum requirements systematically in the events such as WSED17, Healthy Buildings 2017 and others

5. Meetings

- London, 2 April 2017 during the REHVA Annual meeting
- Brussels, 13 November 2017 during the REHVA Brussels Meeting
- 2 WebEx meetings, or more if needed

6. Members

Core members

Jarek Kurnitski, Estonia - chair
 Ivo Martinac, Sweden – co-chair
 Livio Mazzarella, Italy – co-chair
 Francis Allard, France
 Ahmet Arisoy, Turkey
 Hans Besselink, Netherlands
 Anatolijs Borodinecs, Latvia
 Hywel Davies, United Kingdom
 Ioan Silviu Dobosi, Romania
 Christian Feldmann, France
 Jaap Hogeling, Netherlands
 Frank Hovorka, France

Karel Kabele, Czech Republic
 Ian Knight, United Kingdom
 Risto Kosonen, Finland
 Micha Krajcik, Slovakia
 Zoltan Magyar, Hungary
 Gabrielle Masy, Belgium
 Branimir Pavkovic, Croatia
 Jorma Railio, Finland
 Olli Seppänen, Finland
 Martin Thalfeldt, Estonia
 Marija Todorovic, Serbia

Corresponding members

Marianna Brodach, Russia
 Vincenc Butala, Slovenia
 Gratiela Tarlea, Romania
 Iolanda Colda, Romania
 Stefano P. Corgnati, Italy
 Egils Dzelzitis, Latvia
 Thor-Jostein Egeland, Norway
 Manuel Gameiro da Silva, Portugal
 Signhild Gehlin, Sweden
 Tiit Kerem, Estonia
 Jean Lebrun, Belgium

Donald Leeper, United Kingdom
 Michael Mast, Denmark
 Dusan Petras, Slovakia
 Michael Schmidt, Germany
 Teet Tark, Estonia
 Juan Travesi, Spain
 Branislav Todorovic, Serbia
 Andreas Winkens, Germany
 Mika Vuolle, Finland
 Miimu Airaksainen, Finland

Publishing and Marketing Committee (PMC)

1. Committee's Internal Organisation

The PMC has a chair (Frank Hovorka) and a co-chair (Francesca R. d'Ambrosio). Publishing Committee is in charge of managing REHVA brand, sales policy and advertising policy in REHVA publications, and production of REHVA promotion material in cooperation with REHVA Office.

Publishing and Marketing Committee will have an annual meeting with both voting and corresponding members during the General Assembly of REHVA. Voting members will have operative meetings between general assemblies, to where also corresponding members and other interested participants are welcome.

In 2017, the PMC should renew its membership and ask every Member Associations and PMC members to delegate, reconfirm or cease membership in the committee. PMC core members that haven't attended any meeting for a year, will be automatically moved to the list of the corresponding members.

Members of Editorial Board are helping the Editor to plan each issue, to give ideas of possible authors of each topic and evaluate proposed articles, if needed. Each member of Editorial Board shall supply minimum one paper a year. Publishing Committee may appoint a guest editor for a specific issue of the journal.

2. Strategic Objectives of the Committee

The objective of REHVA Publishing Committee is to manage and develop REHVA publications to increase the visibility of REHVA values and disseminate information to REHVA Members and Supporters.

REHVA publications are at the moment:

- REHVA Journal
- REHVA Website
- REHVA Technical reports
- REHVA Guidebooks
- REHVA Newsletters

3. Strategic Activities of the Committee in 2017

The main aim of 2017 will be a total rebranding of REHVA and all its promotion material such as brochures, gadgets, leaflets, posters, roll-ups and all communication/promotional material. REHVA will also create a promotional video of the Federation in order to show it during fairs, conferences as well as on Social Media. The rebranding should be done to achieve more visibility and to be more modern and catchy.

REHVA Website

Regarding the website, the REHVA Restricted Area credentials should be automatized in 2017 as well as all the REHVA GBs should be available in eGuidebook format in the REHVA Restricted Area. Doing this, REHVA will ensure a higher number of subscribers and the office won't be overloaded sending out credentials manually.

REHVA Guidebooks

In 2017, three new Guidebooks will be published:

- Introduction to Building Automation, Controls and Technical Building Management
- Displacement Ventilation
- Fire Safety in Buildings - Smoke Management Guidelines

A fourth one could be also ready to be printed in 2017: Indoor environment in historic buildings.

Special sale of GB#5-GB#6-GB#10-GB#11-GB#12-#GB13 will be organized during events and during the Summer, in order to sell off those guidebooks and update them in the future. The PMC and TRC have to decide which guidebooks should be revised in 2017: GB#1 – GB#6 – GB#11.

In 2017, REHVA could offer an additional service to those who would like to buy the REHVA Guidebooks: create quick preview, on the REHVA eShop, of the list of contents for each Guidebook. Plus, REHVA office will take care of asking authors of GB#15, GB#16, GB#18, GB#19, GB#21 to provide us the PPT in order to have all of them on the REHVA Website.

New agreements with BEUTH and KNOVEL will be finalized in 2017 regarding the selling and visibility of the REHVA Guidebooks as well as the REHVA brand.

REHVA Dictionary

The PMC, in 2017, will recreate the PET in order to update the REHVA Dictionary and restart working on it.

An App for the REHVA Dictionary will be created in 2017 in order to promote the work REHVA have done in creating the REHVA Dictionary. The REHVA Dictionary webpage was in 2016 the most visited one.

4. Expected Outcomes in 2017

Creating a Dictionary App, rebranding REHVA, publishing REHVA Guidebooks, uploading more material on the REHVA Restricted Area, should increase the REHVA visibility not only in Europe but also abroad. The Main aim is to renovate REHVA image offering to our Members and Supporters more services as well as higher quality information and materials.

5. Meetings

- London, 2 April 2017 during the REHVA Annual meeting
- Brussels, 13 November 2017 during the REHVA Brussels Meeting

6. Members

Core Members

Frank Hovorka, Chair (France)

Francesca R. d'Ambrosio, co-chair (Italy)

Jacques Benoist (France)

Marianna Brodach (Russia)

Guangyu Cao (Finland)
Karel Kabele (Czech Republic)
Renato Merati (Italy)
Stefan Jakob (Sweden)
Thomas Terhorst (Germany)
Maija Virta (Finland)
Andy Ford (UK)

Corresponding Members

Richard Beuhorry-Sassus (France)
Dusan Petras (Slovakia)
Siru Lönnqvist (Finland)
Zoltan Magyar (Hungary)
Livio Mazzarella (Italy)
Per Rasmussen (Denmark)
Olli Seppänen (Finland)
Manuel Gameiro de Silva (Portugal)
Geza Matuz (Hungary)
Branko Todorovic (Serbia)

Supporters Committee (SC)

1. Committee's Internal Organisation

Supporters Committee is a coordination team which supports REHVA activities and develops the services offered to REHVA Supporters according with proposed REHVA General Strategy. Until April 4th, 2017, Ioan Silviu Dobosi (Chair of Supporters Committee) is responsible for Supporters' related activities. After the first Supporters Committee Meeting of 2017, the Chair will be Atze Boerstra, he will be responsible for Supporters' related activities. The REHVA office will be responsible for the more practical aspects (details in task division will be decided upon in April).

2. Strategic Objectives of the Committee

The Supporters committee aims to reach the following objectives:

- REHVA as bridge between Members of its Members' associations and Supporters
- Strengthen relations with existing supporters;
- Attract new supporters;
- Turn the tide (bend the trend of existing supporters leaving).
- Attracting supporters in sustaining CLIMA 2019

3. Strategic Activities of the Committee in 2017

REHVA would like to start in 2017 the process to become a bridge between the members of the REHVA Members' association and the Supporters' companies.

REHVA first step to become a bridge between the members of its Members and Supporters will be the ISH Fair in Frankfurt, during which a REHVA delegation of REHVA Members will visit booths of Supporters and it will be followed by a networking reception.

The next step will be the Supporters' Day in London during the REHVA Annual Meeting and then the REHVA Brussels Meeting.

In 2017 events, REHVA, based on its knowledge of research trends, should provide more insights and speeches about hot topics and future, emerging technologies.

The REHVA Supporters' Bulletin will be published in 6 issues in 2017.

REHVA would like to underline that, within the Supporters offer, is included free of charges the publication of product news on the REHVA Journal. We would like to encourage the REHVA Supporters to promote themselves through the REHVA Channels.

The REHVA Supporters should be more involved on the REHVA Activities with MoU partners around the globe, we would like to encourage them to take part of the organisation of meeting and seminars with our MoUs organisation if their aim is to open their horizons outside Europe. Supporters (present at the London meeting) will be asked to come up with additional concrete ideas (to implement in 2017 > 2019) to increase the effectiveness of the Supporters Committee.

We also plan to have attracted a new energetic co-chair for the Supporters committee that will help the new chair and the REHVA office with the subtask 'relation management' before the end of 2017.

4. Expected Outcomes in 2017

All the actions mentioned under point 3 should lead REHVA to improve the relationship with the existing Supporters and create the bases to attract new ones.

The REHVA Supporters Committee should become a solid and concrete help for REHVA Supporters to promote themselves.

5. Meetings

Two main Supporters' meetings will be organised in 2017:

- 4 April 2017: Supporters day/REHVA seminar (in London). Core focus: future of HVAC, industry innovations and policy developments.
- October 2017: Supporters October Seminar (in Brussels). Core focus: recent EU developments (e.g. EPBD implementation) in cooperation with e.g. specialist from DG Energy and DG Health, and an MEPs from the EU parliament.

Note that both meetings are open to representatives of member associations too.

Apart from that in 2017, there will be informal contacts with REHVA Supporters, e.g. at international events like ACREX in New Delhi, ISH in Frankfurt, AIVC event Brussels, ASHRAE summer meeting in Long beach (CA).

6. Members

Core Member

Ioan Silviu Dobosi (Chair)

Atze Boerstra (Co Chair)

Renato Merati, REHVA

Olli Seppänen, FINVAC

Jaap Hogeling, REHVA

Ilari Aho, UPONOR

Panu Mustakallio, HALTON

Petra Vladykova Bednarova, SWEGON

Livio Mazzarella, AiCARR

Stefano Canali, RHOSS

Monica Marza, LG Eletronics

Henk Kranenberg, Daikin

Frank Hovorka, REHVA

Corresponding Members

Siru Lönnqvist, Finland

Franz Carsten Weidner, AAF International

Alessandro Riello, Aermec

Andy Fry, AMCA

Stefaan Sonjeau, Baltimore Aircoil International

Othmar Brändli, Belimo Automation

Jean-Michel Navarro, C.I.A.T.

Anders Sundvik, Camfil

Adriana Enescu, CRIOMECS

Martin Dieryckx, Daikin Europe

Iris Kessels, DencoHappel

Macit Toksoy, Eneko

Andrea Voigt, EPEE

Ann Van Eycken, ES-SO, European Solar-Shading Organization

Erick Melquiand, Eurovent Certita Certification

Nina Ion, Eurovent Association

Philip Montrasio, Evapco Europe

Ola Skoglung, Flakt Woods

Jan Risen, Swegon

Naci SAHIN, FRITERM Termik Cihazlar

Sanayi ve Ticaret

Tuomas Laine, Granlund

Anders G. Madsen, Lindab

Mikko Iivonen, Rettig ICC
Hans Besselink, Royal Haskoning DHV
Jonas Gräslund, Skanska Commercial
Development Nordic
Michal Maj, Smay
Steven Mast, Smits van Burgst consulting
engineers
Roland Kasper, Systemair