



## **LOW-GWP REFRIGERANTS AND THEIR ROLE TOWARDS DECARBONIZATION**

**Webinar, April 13<sup>th</sup> 2022, 3 p.m.**

According to IIR, the RACHP (Refrigeration, Air Conditioning, Heat Pump) sector is responsible of about 7.8% of global greenhouse gas emissions of which about 37% are direct emissions related to the release of refrigerants in the atmosphere and 63% are indirect emissions related to the energy consumption of the RACHP systems. The above figures indicate that the approach towards decarbonization of the RACHP sector should address both the direct global warming potential of the refrigerants and the efficiency of the systems in a holistic way. Several international directives and rules have imposed stringent reductions of global warming gases emissions, including traditional HFCs and an extensive R&D activity is ongoing.

This webinar will give insights on the international net-zero pathway focusing on its implication on RACHP. The current status of net zero developments and related regulations will be summarized, and specific issues related to the role of RACHP on global warming will be presented.

Having in mind the major target of the reduction of the refrigerants direct impact on RACHP, the seek for low GWP refrigerant options and the related impact on systems efficiency will be outlined according to the extensive work carried out by NIST in the recent years.

The regulation status and perspectives in the US will be introduced.

Finally, focus will be given on the ongoing revision process of the European F-gas Directive.

***The first two papers will be presented in English  
Simultaneous translation is not provided***

### **CONTACTS**

AiCARR Secretariat  
Gabriella Lichinchi

Tel. 02 67479270  
[gabriellalichinchi@aicarr.org](mailto:gabriellalichinchi@aicarr.org)

# WEBINAR

April 13<sup>th</sup>, 2022, 3.00 p.m.



## CONSULTA INDUSTRIALE



## AGENDA

2.45 p.m. **Participants registration**

3.00 p.m. **Welcome addresses**  
Filippo Busato, *AiCARR President*

### REHVA Awards 2021

**Chair:** Claudio Zilio, *University of Padua*

3.15 p.m. **Implications of net zero pathways for the RACHP sector**  
Lambert Kuijpers, *A/gent b.v. Environmental Consultancy, Venlo, the Netherlands*

3.50 p.m. **Low-GWP refrigerants: 2022 options and decisions**  
Piotr A. Domanski, *National Institute of Standards and Technology, Gaithersburg, MD, USA*

4.25 p.m. **European F-gas regulation revision and decarbonization**  
Federica Rizzo, *Senior Policy Director · The European Partnership for Energy and the Environment (EPEE)*

5.00 p.m. **ROUND TABLE**  
**discussion hosted by Italian Industrial Associations**

5.30 p.m. **Seminar Closing**

To participate to the webinar, please register **by April 12<sup>th</sup>, 2022** at our website: [www.aicarr.org](http://www.aicarr.org) > Events > Upcoming Conferences section

The webinar is free of charge for whom that not required continuous training of Italian Engineers

An attendance certificate will be sent under request sending an e-mail to [gabriellalichinchi@aicarr.org](mailto:gabriellalichinchi@aicarr.org)