



# MOP 31 in Rome, our great opportunity

**Marco Buoni**

*Presidente, AREA, Air Conditioning & Refrigeration European contractors' Association*

*([www.area-eur.be](http://www.area-eur.be))*

*Segretario Generale, Associazione italiana dei Tecnici del Freddo, ATF*

*([www.associazioneATF.org](http://www.associazioneATF.org))*

*Direttore Tecnico, Centro Studi Galileo, CSG*

*([www.centrogalileo.it](http://www.centrogalileo.it))*

Abbiamo creato la  
giornata mondiale  
della refrigerazione

- Durante quel giorno eventi  
in 35 nazioni del mondo
- Io sono stato intervistato da  
Radio 2,  
Caterpillar



**il 26 giugno, ogni anno**





# Nostre Attività per la collaborazione Nazioni Unite

- 20 anni lavoro nel settore e 16 nell'associazione, da 2 anni sono Presidente dell'associazione europea
- Partecipato a tutti i MOP successivi al 2006:
  - 8 volte con la rivista International Special Issue
  - 5 volte direttamente di persona, a Bangkok, Dubai, Parigi, Ginevra, Vienna
- Abbiamo 5 progetti con le Nazioni Unite direttamente come Centro Studi Galileo
  - Bahrain, Kuwait e Qatar
  - Universal Training Kit for Alternative refrigerants
  - Refrigerant Driving Licence
  - Gambia,
  - Abbiamo una sede corsi in Burkina Faso
    - Conosco quasi tutti gli NOUs presenti al MOP



# OzonAction Partnerships



Refrigerant Driving License (RDL)



E-Learning, Award, Events, Guides and more



Model for Cold Chain Database



Technology Awareness for Cold Chain Sectors



Risk Assessment Model for flammable Refrigerants



## Universal Training Kit

on Sound Management of Refrigerants  
*(In cooperation with AREA)*



## HFCs Outlook

Scenario Model for A5 countries  
*(In cooperation with EPEE)*



## National Certification Program

based on FOGas Certification  
*(In cooperation with ATF)*

# International Special Issue 2018-2019







7TH INTERNATIONAL SPECIAL ISSUE 2018-2019  
LAUNCHED IN MONTREAL PROTOCOL CONFERENCE IN QUITO OCTOBER 2018



Presentation to international DELAGATIONS by UNEP-IIR-UNEP in Ecuador, Quito



## *Previous editions of the International Special Issue*

|   |   |
|---|---|
|  <p>International Special Issue 2006<br/>Presented <b>MOP 18</b>, 18<sup>th</sup> Meeting<br/>of the Parties to the Montreal<br/>Protocol in New Delhi and in<br/><b>COP12</b> in Nairobi in 2006 and<br/>in <b>COP13</b> in Bali in 2007<br/>Download <a href="http://bit.ly/caoo6m">http://bit.ly/caoo6m</a></p> |  <p>International Special Issue 2008<br/>Presented <b>MOP 20</b>, 20<sup>th</sup><br/>Meeting of the Parties to the<br/>Montreal Protocol in Doha-Qatar<br/>and in <b>COP14</b> Climate Change<br/>Conference in Poznan in 2008<br/>Download <a href="http://bit.ly/qW4Loa">http://bit.ly/qW4Loa</a></p>   |
|  <p>International Special Issue 2010<br/>Presented in <b>MOP22</b>, 22<sup>th</sup><br/>Meeting of the Parties to<br/>Montreal Protocol in Bangkok<br/>and in <b>COP16</b> Climate Change<br/>Conference in Cancun in 2010<br/>Download <a href="http://bit.ly/1WCXvmj">http://bit.ly/1WCXvmj</a></p>              |  <p>International Special Issue 2012<br/>Presented in the <b>MOP24</b>, 24<sup>th</sup><br/>Meeting of the Parties to<br/>Montreal Protocol in Geneva and<br/>in <b>COP18</b> Climate Change<br/>Conference in Doha in 2012<br/>Download <a href="http://bit.ly/1m89hhj">http://bit.ly/1m89hhj</a></p>   |
|  <p>International Special Issue 2014<br/>Presented in <b>MOP26</b>, 26<sup>th</sup><br/>Meeting of the Parties to<br/>Montreal Protocol in Paris and<br/>in <b>COP20</b> Climate Change<br/>Conference in Lima<br/>Download <a href="http://bit.ly/1TWkAPK">http://bit.ly/1TWkAPK</a></p>                         |  <p>International Special Issue 2016<br/>Presented in <b>MOP28</b>, 28<sup>th</sup><br/>Meeting of the Parties to the<br/>Montreal Protocol in Kigali,<br/>Rwanda, in October 2016 and in<br/><b>COP22</b> Conference of the Parties and<br/>Climate Change conference in Marrakesh,<br/>Marocco, in December 2016<br/>Download <a href="http://bit.ly/IntSI2016">http://bit.ly/IntSI2016</a></p> |

# 18TH EUROPEAN CONFERENCE POLITECNICO OF MILANO – 6-7 JUNE 2019



UN environment

XVIII Convegno Europeo  
6-7 giugno 2019

*Le ultime tecnologie del  
freddo e del condizionamento*

*Latest technologies  
in refrigeration and air conditioning*


EEC

iiif iir

Associazione dei Tecnici del Freddo

AREA

The banner features several logos: UN environment, a globe logo, EEC, iiif iir, the ATF logo, and the AREA logo. It also includes the text 'XVIII Convegno Europeo 6-7 giugno 2019' and the title 'Le ultime tecnologie del freddo e del condizionamento' in yellow, and 'Latest technologies in refrigeration and air conditioning' in white. At the bottom center is a white illustration of the Politecnico di Milano building.

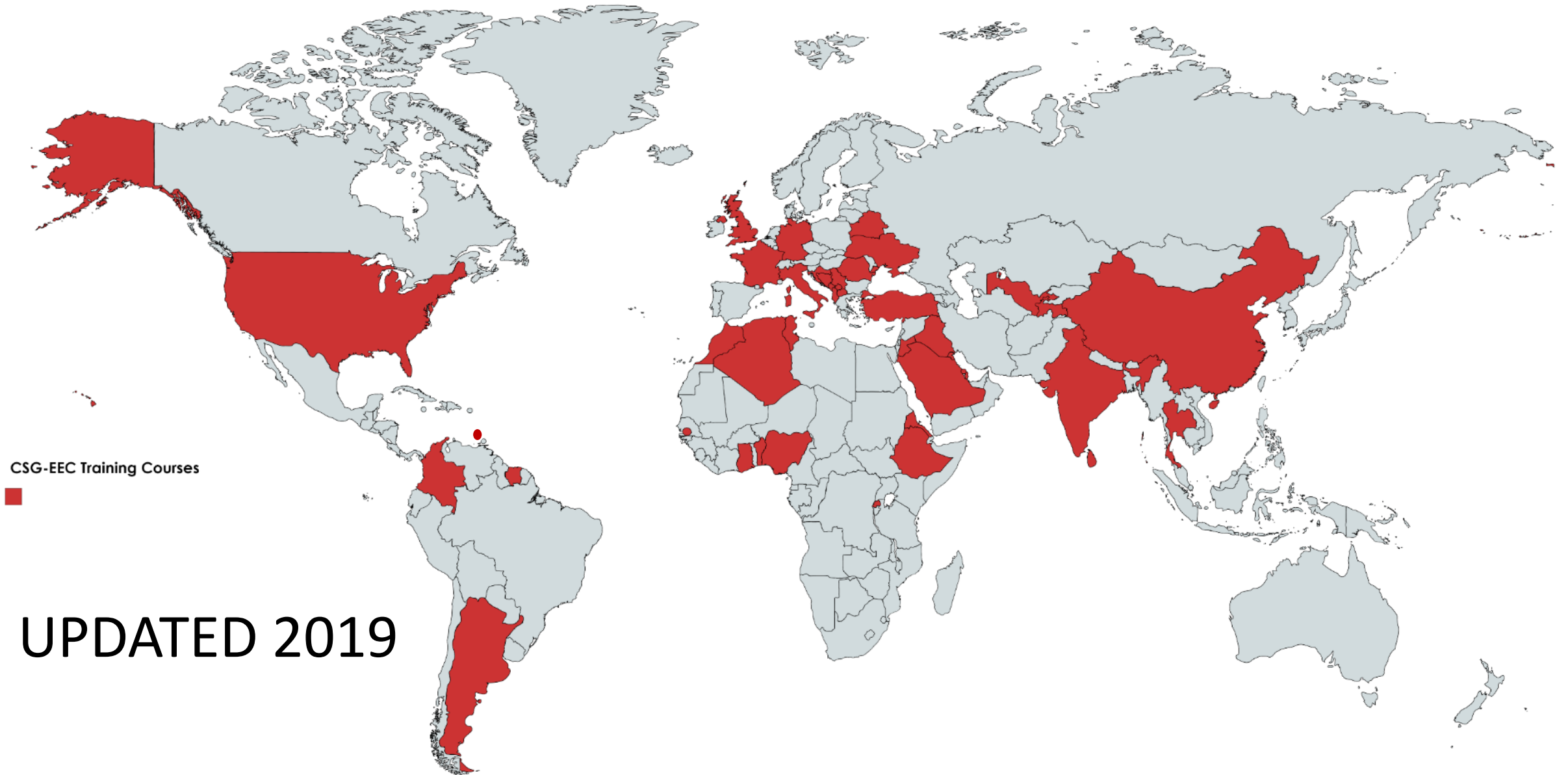


# About the 18<sup>th</sup> EU conference #EUconfRAC

- The biggest ever with nearly 300 participants from 32 different countries
- 45 Presentations and Papers viewable online - QR
- The technical committee tried to give a good balance between technologies, legislation, standards, refrigerants (Natural vs Synthetic)



# Courses, conferences and seminars CSG-EEC-UNITED NATIONS reach more than 140 countries in the world



# 22 Teachers from Argentina

- 24-29 June 2019 Real Alternatives training and assessment with flammables



# In Argentina, December 2017

10 DEC 2017



ARGENTINA: The European F-gas refrigerant training and certification scheme is to be emulated in Argentina as the country seeks to move to low GWP alternatives.

Inspired by the European contractors group AREA and the EU-funded Real Alternatives 4 Life project, the training sessions will start in 2018, reports the Italian training company Centro Studi Galileo (CSG).

"Training and certification of technicians is the only direction to take in order to guarantee a safe future for the systems and the servicing technicians working on them," said CSG's Marco Buoni following conferences in Buenos Aires and Rosario last week.





Some Photos from the countries

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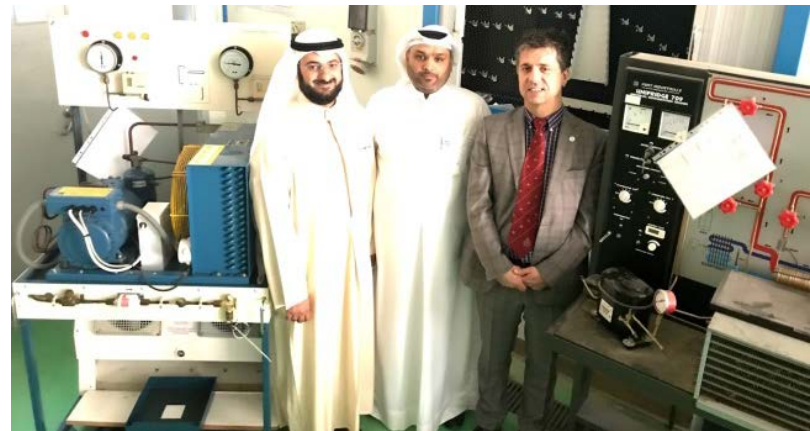
From top right Rwanda, Granada, Benin, Gambia, Former URSS



# Assessing many training centers in article 5 countries

- Gambia
- Rwanda
- Kuwait, Bahrain, Qatar
- Maldives
- Grenada (Caribbean) ...

→ Propose a package, tools, training and certification (including in the legislation) to make it sustainable



# Real Alternatives

- Turkey, Croatia Train the Trainers event
- Bosnia: Alternative Refrigerants in Refrigeration and Air Conditioning Technology Training UNIDO-CSG

The image shows a certificate of assessment for the 'REAL ALTERNATIVES (Flammable Refrigerants)' program. At the top, it features the 'real alternatives europe' logo. The recipient is William Sturup, from the Bahamas, who has successfully completed the assessment. The assessment covers properties, design, maintenance, safety, retrofit, and legal obligations. It was carried out by the authorised training provider, CENTRO STUDI GALILEO. The certificate number is J0001 and it was issued on August 25th, 2017. At the bottom, there are logos for the Institute of Refrigeration and several partner organizations: IKKE, IOR, KHLim, and PROZON.





RA4LIFE e-learning



With contribution of the LIFE programme of the European Union





# An Example: Refrigerant Driving License

- Italy, Casale Monferrato - on 10<sup>th</sup> -11<sup>th</sup> June 2019, an international **delegation of 10 worldwide leading HVACR experts and Associations representatives** gathered for the first ever meeting aimed at complete implementation of the pilot training and assessment sessions under the RDL project.
- **Centro Studi Galileo** hosted the meeting in its headquarters, with the role of consultant involved in the development of the **Refrigerant Driving License (RDL)**, which will be a globally recognized and acceptable qualification program that sets minimum requirements for the proper and safe management of refrigerants in air conditioning and refrigeration equipment.

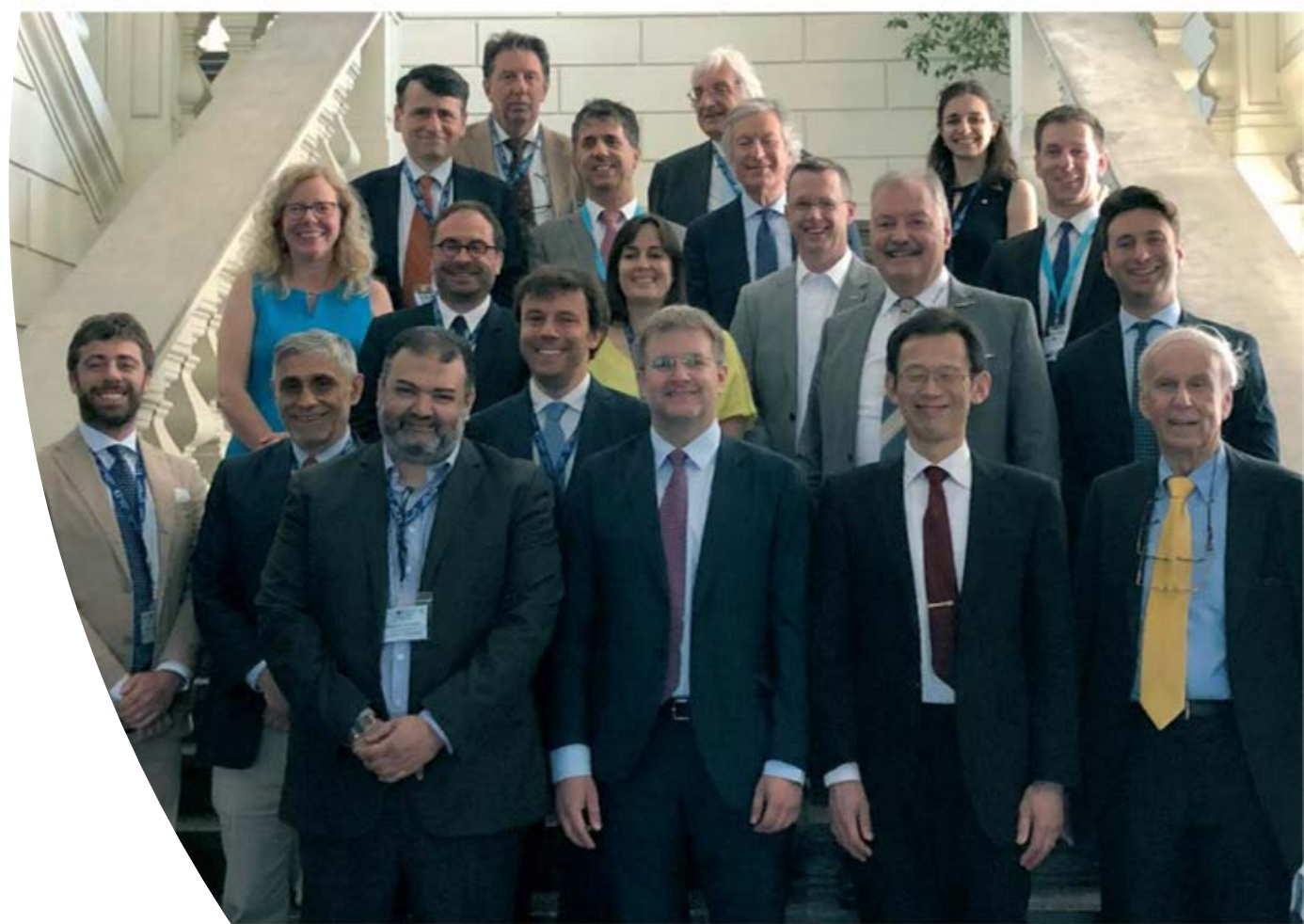




# My message is Simple!

Work together for the better good of our sector

THANK YOU ALL!



## REFERENCE:

- 1 Francesco Scuderi, Deputy Secretary General, European Industry Association – Eurovent
- 2 Fabio Polonara, Co-chair – TEAP-RTOC, Director – Industrial Engineering Dept., University of Marche
- 3 Ayman Eltalouny, Coordinator International Partnerships, United Nations Environment – UNEP
- 4 Niccolò Costantini, Policy Officer, European Commission DG Clima
- 5 Carlo Fidanza, Member of European Parliament
- 6 Shoru Kagawa, President, Japan Society of Refrigerating and Air Conditioning Engineers – JSRAE
- 7 Marco Buoni, President, Centro Studi Galileo – CSG
- 8 Marco Buoni, Director General, European Partnership for the Environment – EPEE
- 9 Jean-François Lecomte, President, Association Française du Climat et de l'Énergie – AFCE
- 10 Project Coordinator, United Nations Environment – UNIDO
- 11 Stephen Yurek, President and CEO, Air Conditioning, Heating and Refrigeration Institute – AHR
- 12 Wolfgang Zaremski, President, Assoc. Compositors of Refrigeration – ASERCOM
- 13 Federico Riboldi, Mayor of Casale Monferrato
- 14 Didier Coulomb, Director General, International Institute of Refrigeration – IIR
- 15 Luca Tagliafico, Professor, University of Genoa
- 16 Marco Buoni, President – AREA, Director General – CSG, Secretary General – ATF
- 17 Alberto Cavallini, Honorary President, International Institute of Refrigeration – IIR
- 18 Roberto Saccone, President, Associazione Costanti Sistemi Climatizzazione – Assoclima
- 19 Stefania Bracco, Economist, Food and Agriculture Organization of the United Nations – FAO
- 20 Paolo Buoni, Director, European Energy Centre