



**UNITED NATIONS ENVIRONMENT
INTERNATIONAL INSTITUTE OF REFRIGERATION
ASSOCIAZIONE DEI TECNICI DEL FREDDO
CENTRO STUDI GALILEO**



Working together with the major experts towards "The future of Refrigeration"



***Outline of the
International Special Issue
2021-2022***



UN Environment Programme (UNEP) – International Institute of Refrigeration (IIR) – Centro Studi Galileo (CSG, Italy) – Associazione dei Tecnici Italiani del Freddo (ATF, Italy) – European Energy Centre (EEC, UK)

Recipients.

The magazine is a not for profit publication. It will be issued and delivered free of charge to anyone who is interested in the publication. It is distributed yearly to MOP and COP Delegates, Heads of State and Representatives of the 197 UN Countries.

Partners.

Our selection of authoritative close partners involved in the realisation of this special issue of the magazine include: United Nations Environment (UNEP) – International Institute of Refrigeration (IIR) – Centro Studi Galileo (CSG) – Associazione dei Tecnici Italiani del Freddo (ATF) – European Energy Centre (EEC).

Distribution.

The magazine will be distributed at:

- Official UNEP meetings:
 - o 33rd Meeting of the Parties to the Montreal Protocol (MOP), 2021
 - o 27th Conference of the Parties (COP), 2021
- Meetings and conferences organised by IIR, UNEP and CSG
- The XIX European Conference, Milan, Italy, June 2021
- Exhibitions, Fairs (Refrigera 2021)
- Major global associations, institutions, GOs, NGOs involved in heating, ventilation, air conditioning and refrigeration (HVAC & R)
- To all operators connected with Centro Studi Galileo (AREA, ASHRAE, AHRI, ABRAVA, ISHRAE, IIAR, EPEE, REHVA, ECSLA, CAR)

Centro Studi Galileo srl

Anna d'Alençon Court - Via Alessandria No. 26 – 15033, Casale Monferrato (AL) ITALY
Tel. +39 0142 452403 - Fax +39 0142 909841 E-mail: corsi@centrogalileo.it

Websites of the Centro Studi Galileo group - the activities of education and information:

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Layout.

The magazine will be published in hardcopy and electronically. The magazine will contain around 52 colour pages. The pages will contain photos and documentation of the XVIII European Conference, held on 6-7 June 2019, organised by UN Environment OzonAction, the International Institute of Refrigeration, Centro Studi Galileo, Associazione dei Tecnici Italiani del Freddo, the European Energy Centre. The heading, layout and graphics will be similar to the ones already used in the previous International Special Issues 2006-2008-2010-2012-2014-2016-2018-2019. This will be the 9th edition.

Cover.

The cover page will have the main heading *Industria & Formazione*, it will feature the logos of UN Environment, IIR, CSG, ATF and EEC. Underneath the heading will appear a brief sentence regarding the activity of collaboration between IIR-UNEP-CSG- ATF-EEC with the objective to train and inform on energy efficiency, environmental protection and related topics, refrigeration and air conditioning, renewable energies, the Kigali Amendment, its implementation and related activities, will have a reference in the cover.

Preface.

As in previous issues, the following dignitaries will be invited to provide forewords: Inger Andersen (Under-Secretary-General of the United Nations and Executive Director of the UN Environment Programme), the Italian Minister for the Environment and Didier Coulomb (Director General of the IIF-IIR).

Glossary and contents.

- Air conditioning and Refrigeration
- Cold Chain
- Renewable Energy
- Heat pumps

The technical articles will address the current exploitable and available technologies in air conditioning, refrigeration and heat pumps that protect the Earth's climate and stratospheric ozone layer, specifically those that avoid high GWP options and which are energy efficient (including renewable energy options, such as solar photovoltaic, solar thermal, etc.) The articles will be selected so as to have a balance in terms of both the technical subjects and the region. A special section (topic still to be decided) will be created and the authors are welcomed to select it and write about this topic.

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Authors.

The authors who submit articles should have significant technical expertise in the field of refrigeration, air conditioning and heat pumps. A balance in gender will be considered. Authors could be part of industry associations, government organizations, universities, research centers, institutes, etc. No private companies will be invited to submit an article.

Topics.

The preferred topics for articles include: EU's F-Gas regulation, its revision and international developments, refrigerant charge and leakage reductions, certification of personnel, safety of flammable refrigerants, training on handling refrigerants, low-GWP RAC technologies for high ambient temperature regions, low-GWP and energy efficient refrigeration and air conditioning technology, low-GWP solar refrigeration and air conditioning technologies, refrigeration and air conditioning standards, illegal trade in ozone depleting and high global warming refrigerants, heat pumps. Articles on any of the above-mentioned topics additionally featuring A-5 Developing Countries as subjects/examples/authors, would be particularly welcome (though not mandatory).

Modalities.

The publication will include 10 to more articles. Each article, in English, should be no longer than a 6-page Word document (using Arial font, size 12, justified). The author should write the article keeping in mind the target audience will be environmental and energy efficiency operators connected to the new technologies in refrigeration, air conditioning and renewable energy. The articles should be understandable by mid-level operators and contain no algorithms or overly-complex formulas, whatever the technical nature, to ensure that they are readable by the largest possible audience. Pictures, graphs or drawings (possibly one picture every page) are kindly requested.

- Deadline for receiving the abstract: **tba**
- Deadline for receiving the paper: **tba**

Contacts.

Please send any abstract, article or question to the publication's Secretariat:

Ms. Silvia Romanò
Head of International Affairs
Centro Studi Galileo
Casale Monferrato – Italy
Email: romano@centrogalileo.it
Tel. +39 0142452403

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Previous editions of the International Special Issue

 <p>International Special Issue 2006 Presented MOP 18, 18th Meeting of the Parties to the Montreal Protocol in New Delhi and in COP12 in Nairobi in 2006 and in COP13 in Bali in 2007 Download http://bit.ly/caoo6m</p>	 <p>International Special Issue 2008 Presented MOP 20, 20th Meeting of the Parties to the Montreal Protocol in Doha-Qatar and in COP14 Climate Change Conference in Poznan in 2008 Download http://bit.ly/9W4Loa</p>
 <p>International Special Issue 2010 Presented in MOP22, 22th Meeting of the Parties to Montreal Protocol in Bangkok and in COP16 Climate Change Conference in Cancun in 2010 Download http://bit.ly/1WCXvmj</p>	 <p>International Special Issue 2012 Presented in the MOP24, 24th Meeting of the Parties to Montreal Protocol in Geneva and in COP18 Climate Change Conference in Doha in 2012 Download http://bit.ly/1m89hhj</p>
 <p>International Special Issue 2014 Presented in MOP26, 26th Meeting of the Parties to Montreal Protocol in Paris and in COP20 Climate Change Conference in Lima Download http://bit.ly/1TWkAPK</p>	 <p>International Special Issue 2016 Presented in MOP28, 28th Meeting of the Parties to the Montreal Protocol in Kigali, Rwanda, in October 2016 and in COP22 Conference of the Parties and Climate Change conference in Marrakesh, Morocco, in December 2016 Download http://bit.ly/IntSI2016</p>
 <p>International Special Issue 2018 Presented in MOP30, 30th Meeting of the Parties to the Montreal Protocol in Quito, Ecuador, in November 2018 and in COP24, Conference of the Parties and Climate Change conference in Katowice, Poland, December 2018 Download http://bit.ly/ISI18-19</p>	 <p>International Special Issue 2019 Presented in MOP31, 31st Meeting of the Parties to the Montreal Protocol in Rome, Italy, in November 2019 and in COP25, Conference of the Parties and Climate Change conference in Madrid, Spain, December 2019 Download http://bit.ly/isi2019-2020</p>

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