



**Pre-COP26 Side Event
All4Climate Italy 2021**
«Smart Campus Cloud Network
A Digital Network of Universities»

City of Casale Monferrato, Town Hall

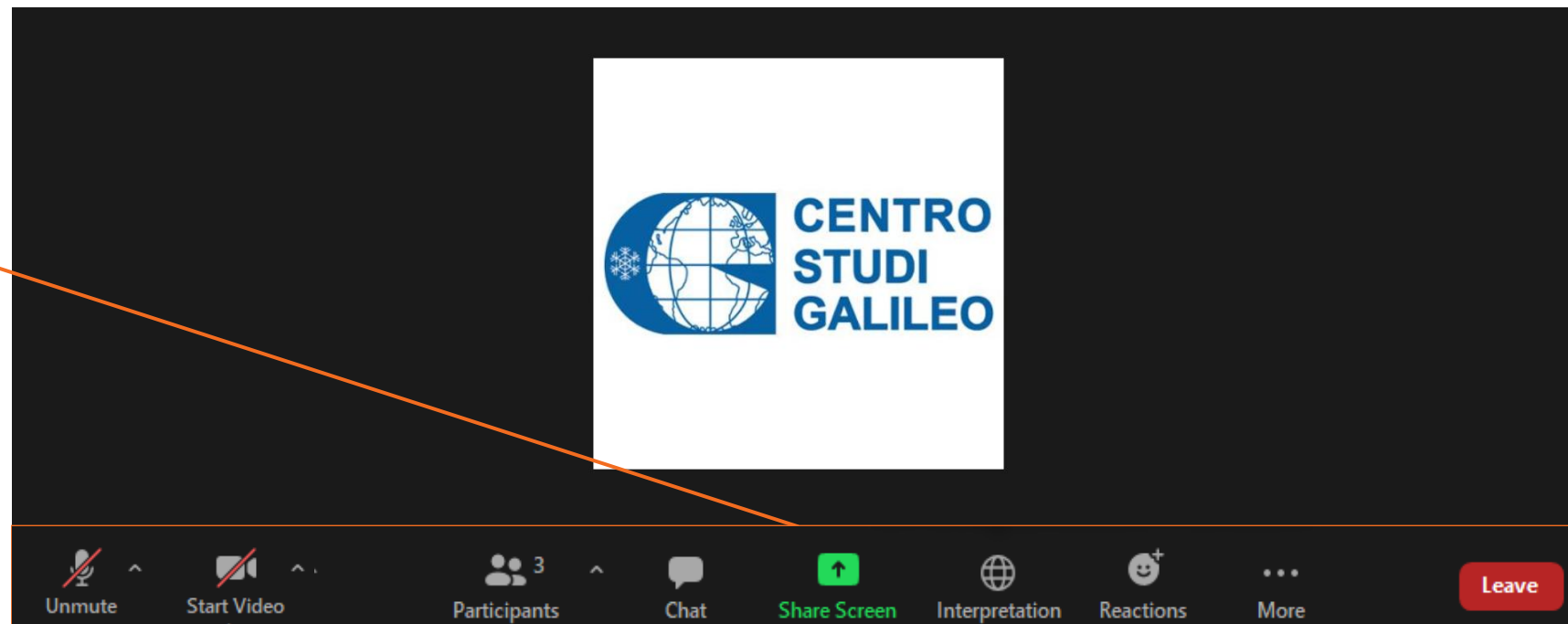
28 September 2021

11 am – 12.30 pm

USING THE PLATFORM

CONTROLS

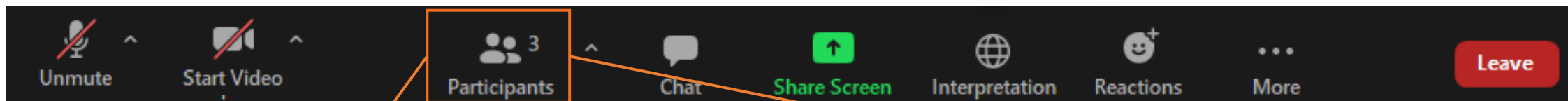
Through the **Control Panel** (on the bottom of the Zoom screen), it is possible to manage all the necessary settings for the participation in the event.



"Smart Campus Cloud Network - A Digital Network of Universities":
an All4Climate & pre-COP26 Side Event



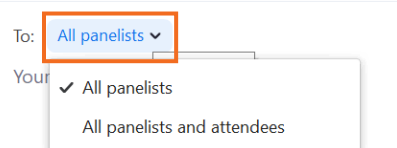
INTERACT



CHAT

You can use the chat to **talk** with the other participants, speakers or organizers of the event.

In the chat, please remember to select who you would like to receive your message: either the panelists, or also any attendee/participant



Q&A

Please use the **chat box** to **write any questions** you wish.

Please use this **formulation**:

"Question for -Speakers' Name-: question...?"

Example: "Question for Marco Buoni: What are the refrigerants of the future?"

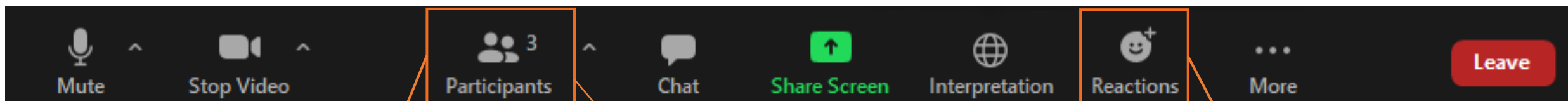
You may send the questions to the account:
Silvia Romano – CSG



"Smart Campus Cloud Network -
A Digital Network of Universities":
an All4Climate & pre-COP26 Side Event



INTERACT



PARTICIPANTS

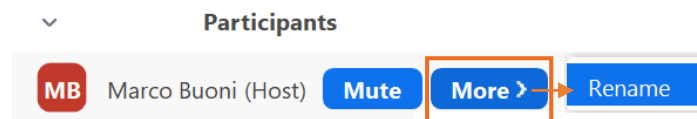
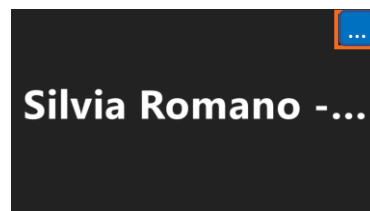
You can see the full participants list and chat with the other attendees, speakers and organizers

IMPORTANT:

Upon entering Zoom, please **rename yourself** indicating your **Name, Surname – Company/Institution**

REACTIONS

You can provide nonverbal feedback or reactions to the host of the meeting



"Smart Campus Cloud Network - A Digital Network of Universities":
an All4Climate & pre-COP26 Side Event



USEFUL LINKS

- **Side Event's Agenda:** bit.ly/SideEventAgendaPreCOP
- **Smart Campus Cloud Network:** <https://sccnhub.com/>
- **Terre Policy Centre:** www.terrepolicycentre.com/
- **UNESCO:** <https://en.unesco.org/>
- **Centro Studi Galileo:** www.centrogalileo.it/
- **Renewable Energy Institute:** www.renewableinstitute.org/
- **City of Casale Monferrato:** www.comune.casale-monferrato.al.it/home



*"Smart Campus Cloud Network -
A Digital Network of Universities":
an All4Climate & pre-COP26 Side Event*



11.00 – 11.05	Welcome and user guide for remote audience	Silvia Romanò, Centro Studi Galileo
11.05 – 11.10	Welcome and introductory remarks	Durga Kamat, TERRE Policy Centre
11.10 – 11.25	Young People and Sustainable Development Goals	Bhanu Neupane, UNESCO
11.25 – 11.40	Learning by doing and sharing: Smart Campus Cloud Network	Rajendra Shende, TERRE Policy Centre
11.40 – 11.45	Education and Sustainable Development: case study of Casale Monferrato, Italy	Federico Riboldi, City of Casale M.to
11.45 – 12.00	Skill building for global youth in Energy and HVAC/R	Marco Buoni, Centro Studi Galileo
12.00 – 12.10	Concluding remarks	Paolo Buoni, Ren. Energy Institute
12.10 – 12.30	Questions & Answers	



"Smart Campus Cloud Network - A Digital Network of Universities":
an All4Climate & pre-COP26 Side Event



All4Climate & Pre COP 26 Side Event

MILAN

A joint event organised by TERRE Policy Centre & Centro Studi Galileo

#All4ClimateItaly2021

Smart Campus Cloud Network

A Digital Network of Universities

NOT ZERO - NET ZERO

28th September 2021

11:00 am - 12:30 pm CET

REGISTER AT - <http://bit.ly/RegisterEventPreCOP>



Mr Bhanu Neupane

Project Manager,
UNESCO, Paris



Dr Rajendra Shende

Chairman,
TERRE Policy Centre, India



Federico Riboldi

Mayor,
City of Casale Monferrato, Italy



Mr Marco Buoni

Technical Director,
Centro Studi Galileo, Italy



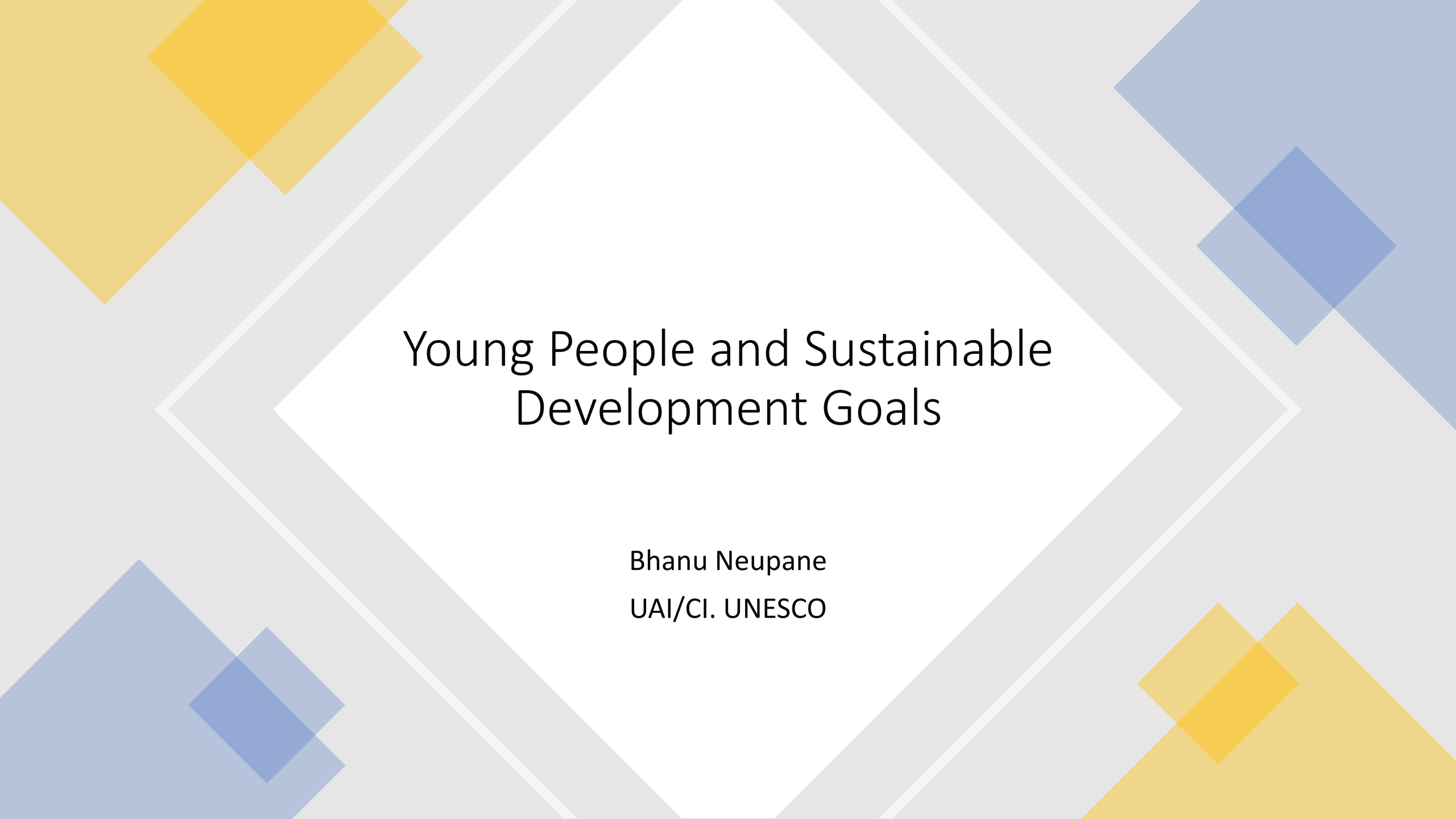
Pablo Buoni

Director,
Renewable Energy Institute, UK



*"Smart Campus Cloud Network -
A Digital Network of Universities":
an All4Climate & pre-COP26 Side Event*





Young People and Sustainable Development Goals

Bhanu Neupane
UAI/CI. UNESCO

Year 2020

- Eventful
 - New discoveries..
 - 500 new billionaires were added to the list
 - Overall wealth of these billionaires increased to 13.1 Trillion from 8 Trillion dollars
 - But....



*"Smart Campus Cloud Network -
A Digital Network of Universities":
an All4Climate & pre-COP26 Side Event*



Hunger, poverty and homelessness is a reality!





SUSTAINABLE DEVELOPMENT GOALS



“Smart Campus Cloud Network - A Digital Network of Universities”:
an All4Climate & pre-COP26 Side Event



In essence

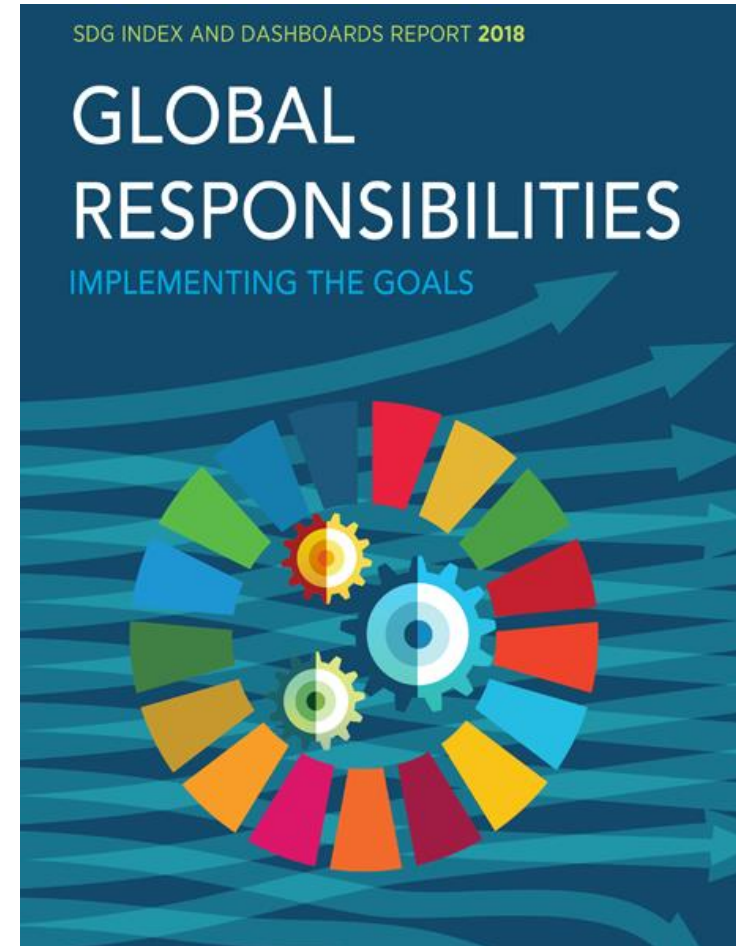
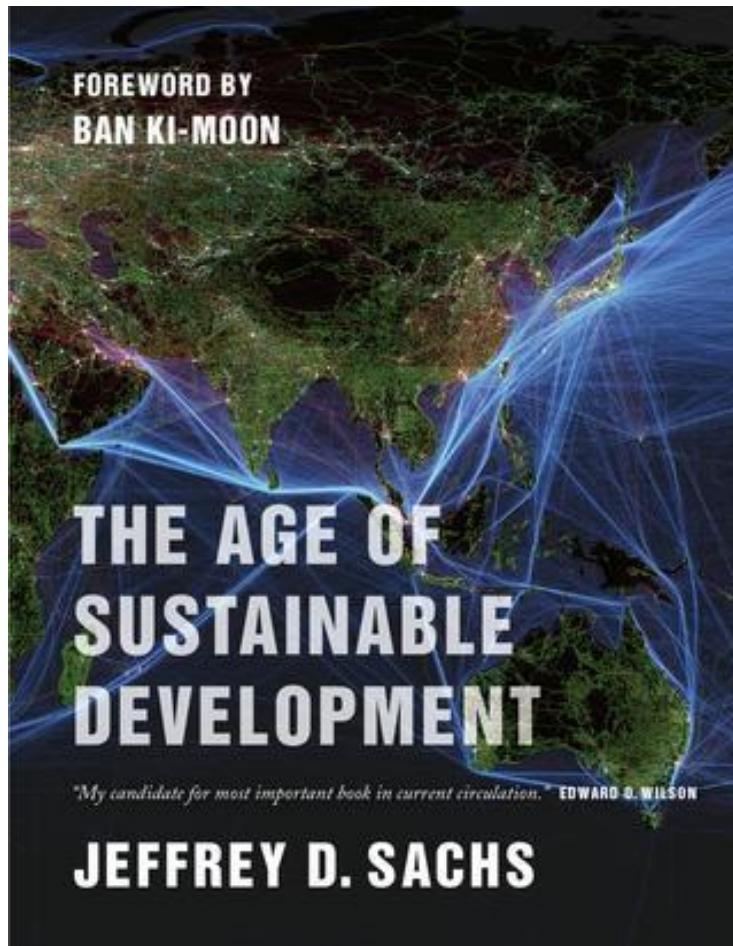
- 17 goals and
- Agenda 2030 is based on People; Planet; Prosperity; Peace; and Partnership primarily dependent on P - Participation
- No one is left behind



*“Smart Campus Cloud Network -
A Digital Network of Universities”:*
an All4Climate & pre-COP26 Side Event



Efforts are being made to improve the world, but we are failing...



"Smart Campus Cloud Network -
A Digital Network of Universities":
an All4Climate & pre-COP26 Side Event



There is a need to redefine multistakeholderism



*“Smart Campus Cloud Network -
A Digital Network of Universities”:*
an All4Climate & pre-COP26 Side Event



Why Youth must be involved in SDGs

1. Critical thinkers:
2. Change-makers:.
3. Innovators:
4. Communicators:
5. Leaders:
6. Connected and tech savvy.



*"Smart Campus Cloud Network -
A Digital Network of Universities":
an All4Climate & pre-COP26 Side Event*



Young people are connected



Climate Change Disinformation



COP26
GLASGOW
2021

A Digital Network of Universities:
an All4Climate & pre-COP26 Side Event



unesco



What is YoU-CAN?

The Youth UNESCO Climate Action Network (YoU-CAN) is a UNESCO youth-led network that aims at supporting and strengthening international cooperation with and between youth climate networks worldwide, notably those operating within UNESCO's areas of competence.

- Promoting multidisciplinary youth climate actions
- Building on UNESCO and Youth Networks.
- Making culture, diversity of cultural heritage and knowledge, a spearhead to change present and future generations' minds and behaviours.



*Launch of YoU-CAN, COP25, Madrid, 2019:
ESD Side Event: « Changing Minds, Not the
Climate – UNESCO Designated Sites, Education
and Youth for Enhanced Ambition »*



“Smart Campus Cloud Network -
A Digital Network of Universities”:
an All4Climate & pre-COP26 Side Event

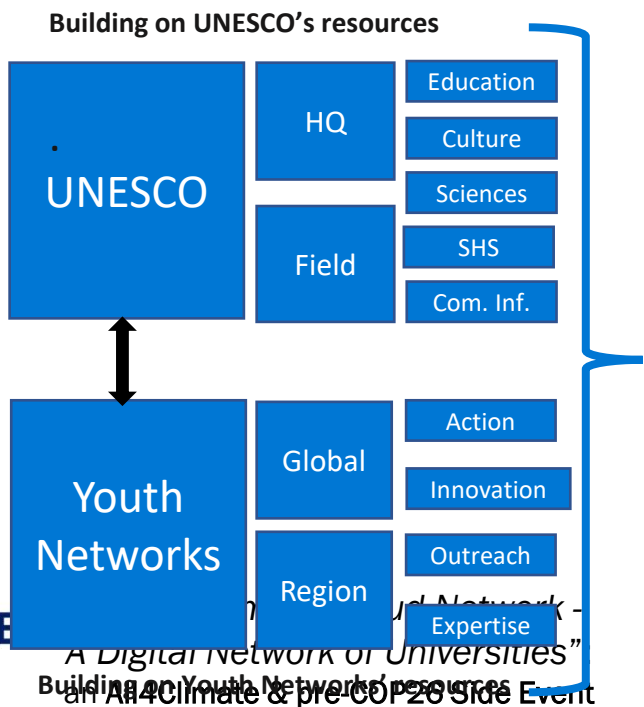


unesco

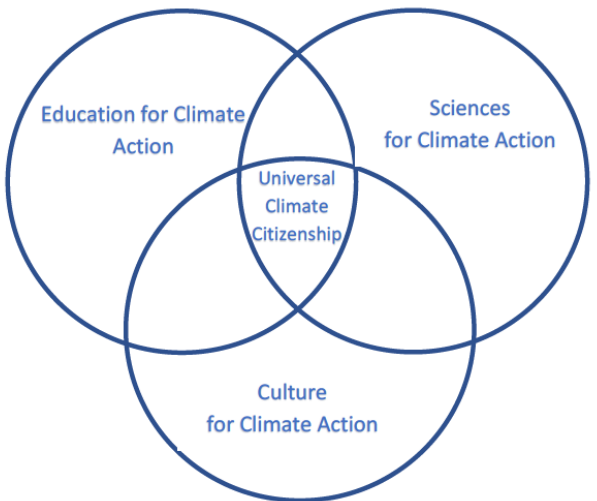
What are YoU-CAN objectives?

« Changing Minds, not the Climate »: Building a Climate Literate Generation

YoU-CAN's Mission Statement: « YoU-CAN's role is to establish an international platform connecting youth climate action networks with UNESCO's components to strengthen further young people capacity to address the challenges of Climate Change, to co-construct a common understanding of climate action by generating innovative solutions while assuring inter-stakeholder and intergenerational dialog »



Cross-cutting solutions through 4 Thematic Areas



3 Target Objectives

- Gather and disseminate knowledge and resources from UNESCO, youth networks and stakeholders
- Improve, develop existing knowledge and resources
- Co-constructing innovative climate solutions with different stakeholders

2 transversal objectives

- Develop a common understanding of climate for more meaningful climate action.
- Facilitate and promote inter-stakeholder and inter-generational dialogue on climate.





SmartCampusCloudNetwork

SDGs-Ready & Carbon-Neutral

Smart Campus Cloud Network- SCCN

sccnhub.com

Rajendra Shende
Chairman , TERRE Policy Centre
Former Director UNEP , IIT Alumnus

All4Climate, Pre-COP26
Casale Monferrato, Milan
Italy 28 Sep 2021

UN SDGs

Target & Impact Based Solution to Challenges



“Smart Campus Cloud Network -
A Digital Network of Universities”:
an All4Climate & pre-COP26 Side Event



unesco



What is SCCN?

Campus as Laboratory for SDGs

- ❖ **Energy and Water Efficiency**
- ❖ **Renewable Energy**
- ❖ **Waste Management**
- ❖ **Sustainable Transport**
- ❖ **Air and Noise Pollution**
- ❖ **Carbon Footprint-Carbon Neutral Campus**



*"Smart Campus Cloud Network -
A Digital Network of Universities":
an All4Climate & pre-COP26 Side Event*



Campus & SDGs: What are the Linkages?



*"Smart Campus Cloud Network -
A Digital Network of Universities":
an All4Climate & pre-COP26 Side Event*



SCCN Objectives

Tangible contribution to SDGs

- **Enhancing Employability & Eco-preneurship**
- **International Outreach & Collaboration**
- **University to University Innovations & Creation**
- **Promote Positive competition & Accelerate**
Encourage Social entrepreneurship



*"Smart Campus Cloud Network -
A Digital Network of Universities":
an All4Climate & pre-COP26 Side Event*



Why SCCN?

- **Second largest consumer of Energy and Water**
- **Young Audience for Transformation to S/Development**
- **Campuses are Captive Breeding Grounds**
- **Tomorrow's Consumers, Manufacturers, Policy makers**



*"Smart Campus Cloud Network -
A Digital Network of Universities":
an All4Climate & pre-COP26 Side Event*



Engaging the Education Campuses

- **Molding : the minds**
- **Incubating : the talents**
- **Transforming : the policy makers**
- **Leveraging : the Positive Competition**
- **Deploying : technologies-ABCD for SDGs.**



*"Smart Campus Cloud Network -
A Digital Network of Universities":
an All4Climate & pre-COP26 Side Event*



SCCN: What is the Status

- **350 Universities/HEIs registered (7 International)**
- **Campus Cloud Digital Dashboard launched**
- **Climate Neutral Campus pledged by 250 Universities**



*"Smart Campus Cloud Network -
A Digital Network of Universities":
an All4Climate & pre-COP26 Side Event*



SCCN Associates



“Smart Campus Cloud Network - A Digital Network of Universities”:
an All4Climate & pre-COP26 Side Event



Potential Projects under SCCN

- **Carbon neutrality /Net Zero Emission**
- **Carbon Credits between Campuses**
- **Waste, Composting, IoT.**
- **Annual Sustainability Report**
- **University Sustainability Ranking Index**
- **Awarding campuses on Sustainability ranking**



*"Smart Campus Cloud Network -
A Digital Network of Universities":
an All4Climate & pre-COP26 Side Event*



Not Zero-Net Zero

Pledge for Carbon Neutrality



**An Ambitious Movement that began to transform
the Educational Institutes**



*"Smart Campus Cloud Network -
A Digital Network of Universities":
an All4Climate & pre-COP26 Side Event*





***Launched on 12th December 2021
on occasion of
5th Anniversary of the Paris Agreement***



ENERGY EFFICIENCY SERVICES LIMITED
A JV of PSUs under the Ministry of Power



**“Smart Campus Cloud Network -
A Digital Network of Universities”:
an All4Climate & pre-COP26 Side Event**



Not Zero-Net Zero
Pledge for Carbon Neutrality



NET Approach

New Energy

Energy Efficiency

Tree-Cover and Forest



*"Smart Campus Cloud Network -
A Digital Network of Universities":
an All4Climate & pre-COP26 Side Event*



“Triple Bottom Benefits”

Not Zero-Net Zero

Economic Incentives

- **26% less energy usage**
- **13% lower maintenance cost**
- **20% life cycle savings to total construction cost**

Social Incentives

- **Improves productivity**
- **27% higher levels of occupant satisfaction**
- **Enhancing the Indoor Environment Quality**

Environmental Incentives

- **20-30% saving of potable water**
- **Reduction in construction and demolition waste**



*“Smart Campus Cloud Network -
A Digital Network of Universities”:*
an All4Climate & pre-COP26 Side Event











Smart Campus Cloud Network

‘Being Smart by learning to be Sustainable’

“We need to invest in future, not the past”

“Climate change is running faster than we are”



Antonio Guterres,
United Nations Secretary-General



“Smart Campus Cloud Network - A Digital Network of Universities”: an All4Climate & pre-COP26 Side Event



SCCN Water Guidelines



Smart Campus
Cloud Network

'Being Smart by learning to be Sustainable'

Let us make tangible contribution to the
United Nations Sustainable Development Goals (SDGs)

www.sccnhub.com



#ALL4
CLIMATE
ITALY
2021

"Smart Campus Cloud Network -
A Digital Network of Universities":
an All4Climate & pre-COP26 Side Event



Being Smart by Learning to be Sustainable



Tool Kit

Smart Campus Cloud Network

S C C N



SCCN is a network of Colleges and Universities supported by UNESCO, UGC and HRD of India



Dr. Vishwanath Karad
MIT WORLD PEACE UNIVERSITY | PUNE
 TECHNOLOGY, RESEARCH, SOCIAL INNOVATION & PARTNERSHIPS



Sustainability Report 2018 MIT Group of Institutions Smart Campus Cloud Network



“Smart Campus Cloud Network -
 A Digital Network of Universities”:
 an All4Climate & pre-COP26 Side Event



SCCN Coronavirus Campus Advisory



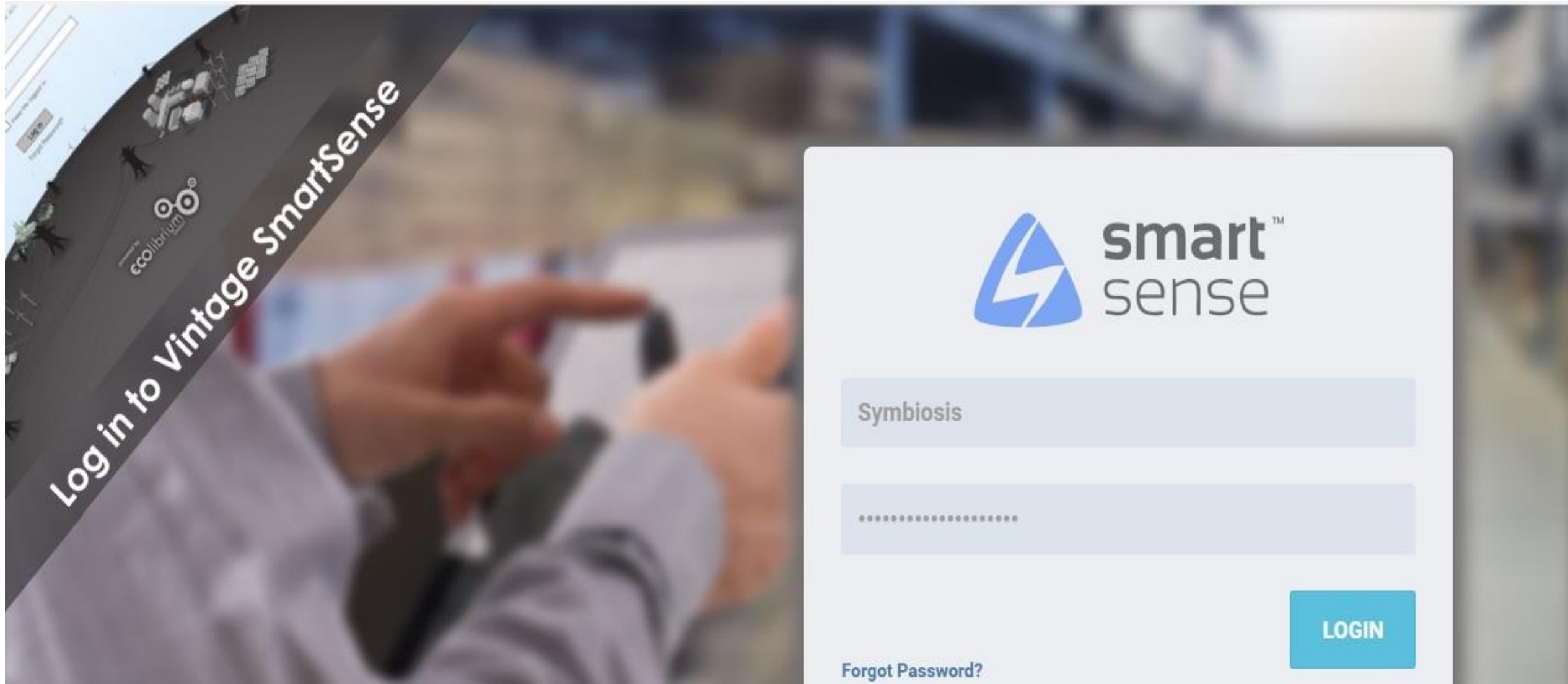
Coronavirus (COVID-19)



'Being Smart by learning to be Sustainable'

www.sccnhub.com

SCCN Cloud Digital Dashboard : **smartsen.se**



Big Data and IOT : Cloud Dashboard

Constantly track consumption and costs - this stops any energy wastage before the monthly bill.

Track energy use across locations - compare consumption of various locations of your company and form benchmarks.

Evaluate trends of consumption to bring savings - see how changing the settings of a machine brings savings.

Compare daily consumption patterns - constantly check if there is energy wastings even during shutdown hours.



“Smart Campus Cloud Network - A Digital Network of Universities”: an All4Climate & pre-COP26 Side Event



AQI App developed by the team of MITWPU



Dr. Vishwanath Karad
**MIT WORLD PEACE
UNIVERSITY** | PUNE
TECHNOLOGY, RESEARCH, SOCIAL INNOVATION & PARTNERSHIPS



AIR QUALITY INDEX

Because Air You Breathe Matters

Real Time Air Quality
information for MIT-WPU



Air Quality Service

Dr. Vishwanath Karad MIT World Peace University



Leading Pollutant : PM 2.5

Pollutant	Value	Description
PM 10	14	Good
PM 2.5	16	Good

Health Advisory: Enjoy the day.

Health Risk: No risk to all

Developed By MIT-WPU, Pune

 Today

 Legend

 About US



“Smart Campus Cloud Network -
A Digital Network of Universities”:
an All4Climate & pre-COP26 Side Event



Select Your Locality

Pashan	>
Shivajinagar	>
Lohgaon	>
Alandi	>
Katraj	>
Hadapsar	>
Bhosari	>
Nigadi	>
Manjari	>
Bhumkar Chowk	>
Kothrud (MIT)	>

SAHAS

Service@IITM-IMD



Cities



AQI



Refresh



About



Close



Research-based initiative
of integrating Air quality
with health advisories
under SCCN and technical
support of IITM



“Smart Campus Cloud Network -
A Digital Network of Universities”:
an All4Climate & pre-COP26 Side Event



Solar installation in C V Raman College of Engineering - Bhubaneswar



*"Smart Campus Cloud Network -
A Digital Network of Universities":*
an All4Climate & pre-COP26 Side Event





Solar initiatives in SRM University - Chennai



“Smart Campus Cloud Network -
A Digital Network of Universities”:
an All4Climate & pre-COP26 Side Event



unesco



✓ **Just do it**

- ❖ **Register : sccnhub.com**
- ❖ **Form : Core Group.**

Talk to Us !
We will Walk the Talk!!
Together !!!



“Smart Campus Cloud Network -
A Digital Network of Universities”:
an All4Climate & pre-COP26 Side Event



"To waste this opportunity
would compromise our last
best chance to stop
runaway climate change. It
would not only be immoral,
it would be suicidal."

António Guterres
UN Secretary General

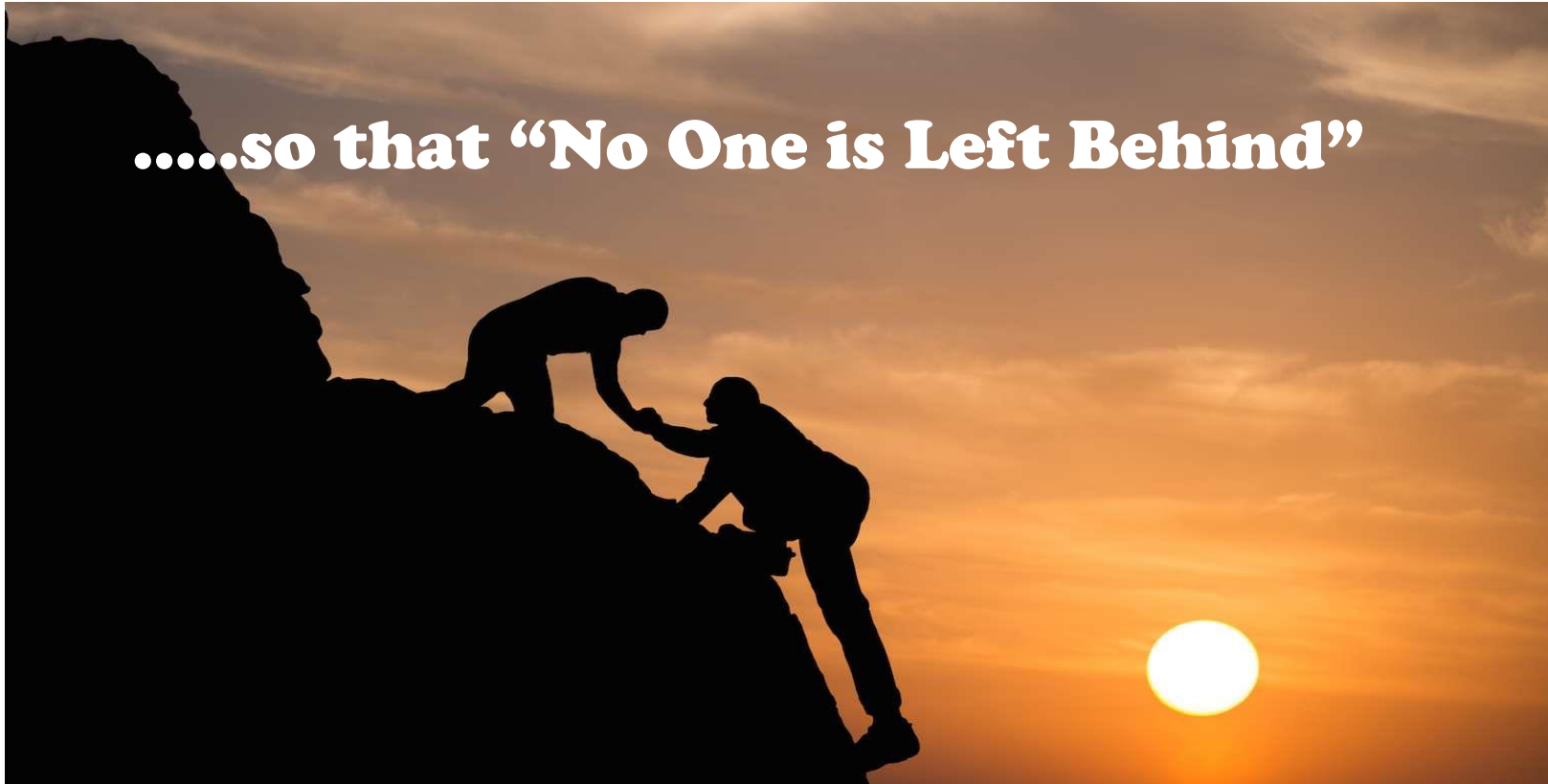


"Smart Campus Cloud Network -
A Digital Network of Universities":
an All4Climate & pre-COP26 Side Event



We must Transform.....

.....so that “No One is Left Behind”

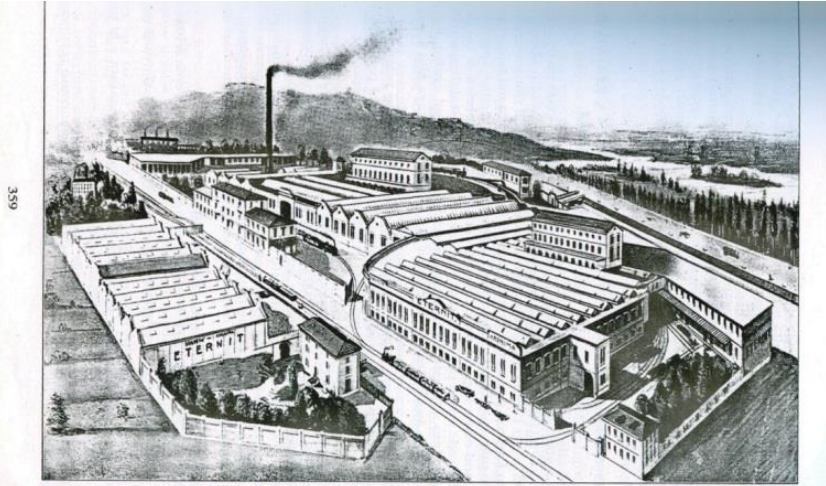


*“Smart Campus Cloud Network -
A Digital Network of Universities”:*
an All4Climate & pre-COP26 Side Event



***Education and Sustainable
Development: case study of
Casale Monferrato, Italy***

Federico Riboldi
City of Casale M.to



Società Anonima "ETERNIT" Pietra Artificiale. Genova (Italia). Stabilimenti di Casale Monferrato. Veduta generale degli Stabilimenti di Casale Monferrato. (Area coperta mq. 40.000).

THE ETERNIT FACTORY

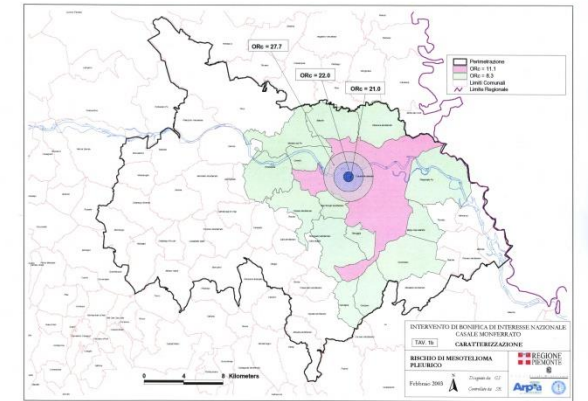
The production: 1907 / 1986

Simultaneous presence up to 3.500 workers



HEALTH CONSEQUENCES :

3.000 cases of death have been gathered connected with asbestos pathologies



“Smart Campus Cloud Network - A Digital Network of Universities”: an **All4Climate** & pre-COP26 Side Event



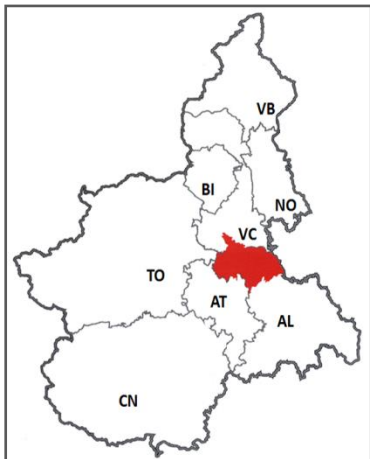


ETERNIT FACTORY RECLAMATION



“Smart Campus Cloud
Network - A Digital Network
of Universities”: an **All4Climate**
& pre-COP26 Side Event



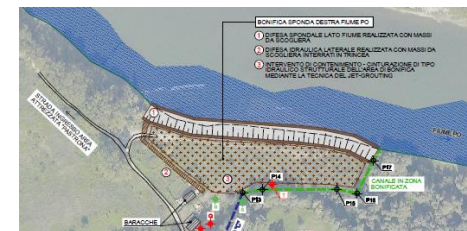
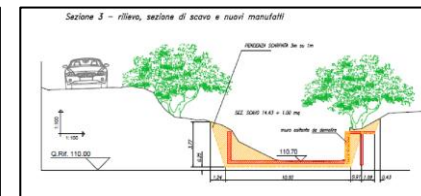
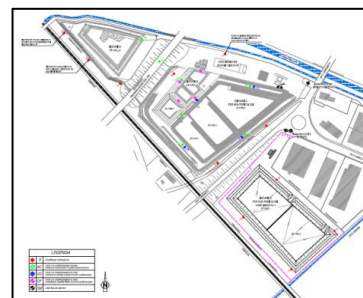


S.I.N. of CASALE MONFERRATO

48 municipalities
of the District of the former USL 76
with Casale in its epicentre.

The site that must be reclaimed
has an area of 738,50 Km²

The reclamations began on the public estate
in 1998 and on the private in 2005.
The Municipality of Casale Monferrato is
recognized as the Authority, ASL and ARPA survey,
check and perform official censuses.



“Smart Campus Cloud
Network - A Digital Network
of Universities”: an **All4Climate**
& pre-COP26 Side Event



ORGANIC PROJECT

ENQUIRY MONITORING

Census
Monitoring net
Information Center

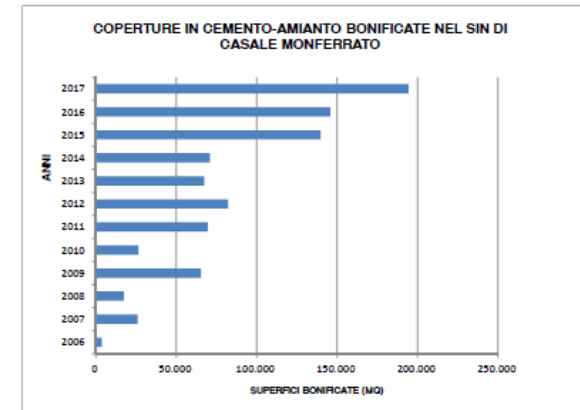


RECLAMATION

Eternit factory reclamation
Inappropriate use asbestos reclamation
Removal of covering surfaces
Reclamation of the Po river right bank

ASBESTOS DUMP

Setting up of a dumping ground
Management of a dumping ground



2021



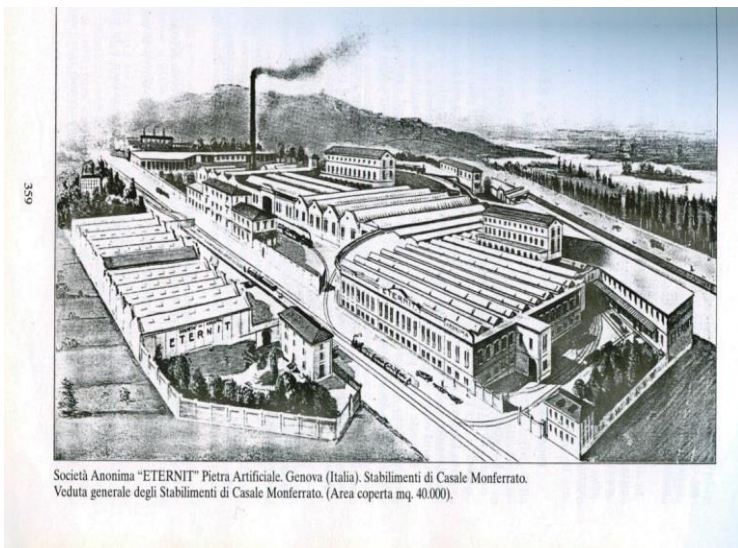
“Smart Campus Cloud Network - A Digital Network of Universities”: an **All4Climate** & pre-COP26 Side Event



unesco



YESTERDAY AND TODAY



“Smart Campus Cloud Network - A Digital Network of Universities”: an **All4Climate** & pre-COP26 Side Event



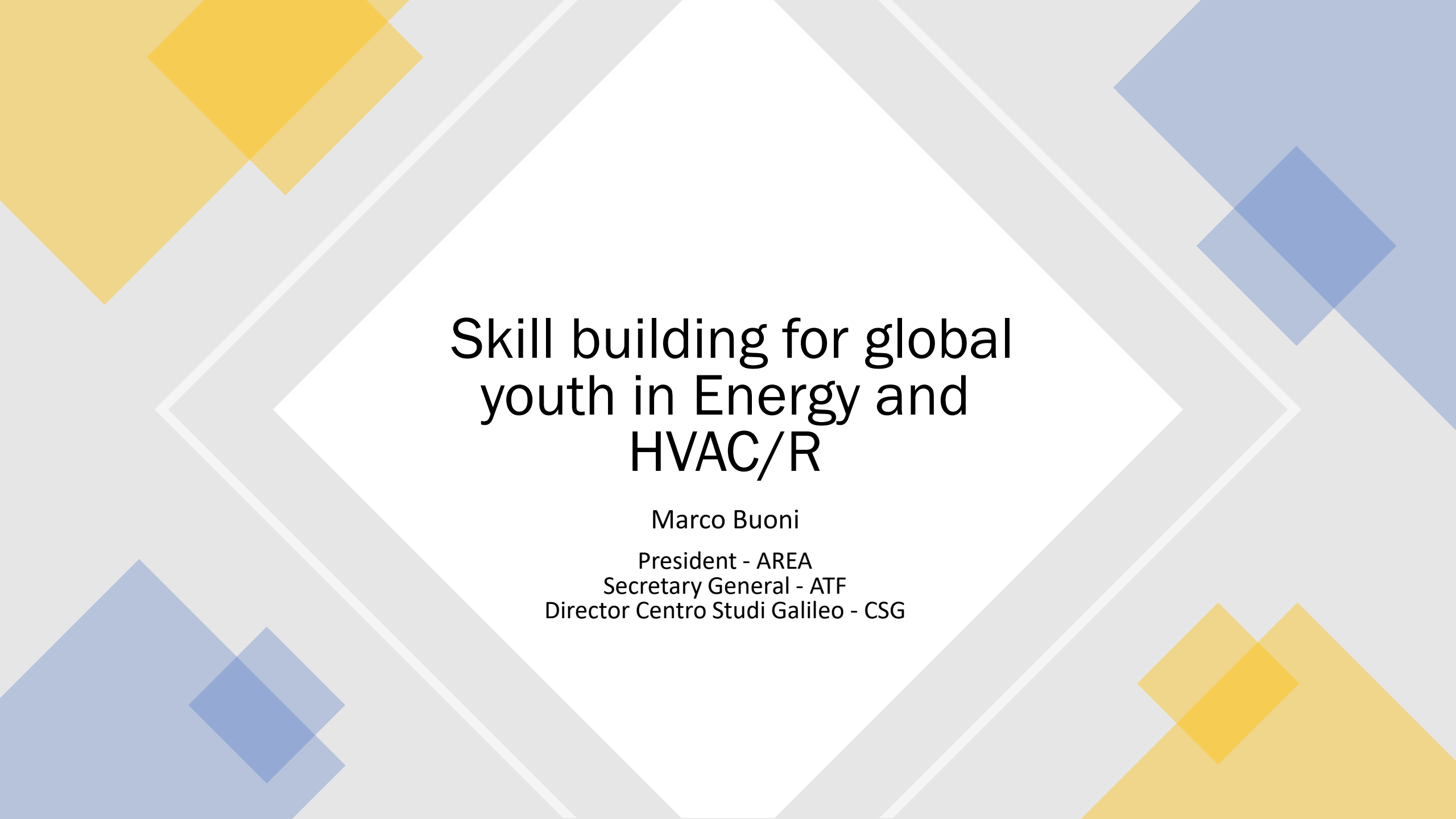


TODAY'S CHALLENGES



“Smart Campus Cloud Network - A Digital Network of Universities”: an **All4Climate** & pre-COP26 Side Event





Skill building for global youth in Energy and HVAC/R

Marco Buoni

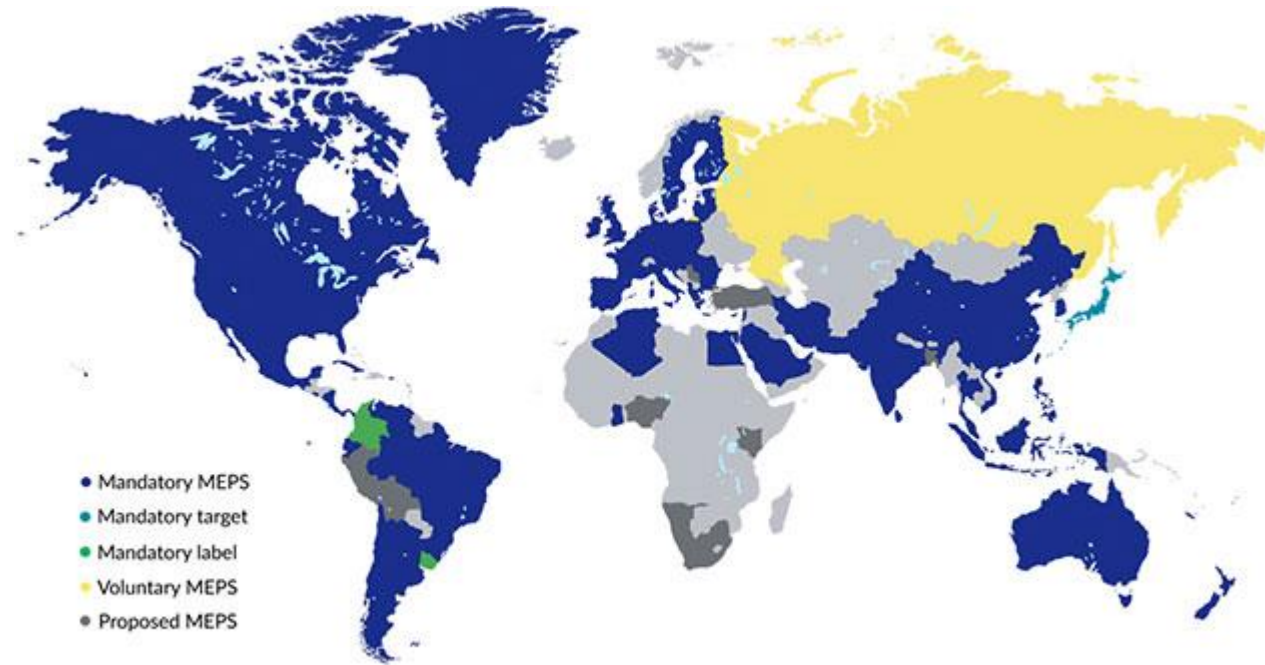
President - AREA

Secretary General - ATF

Director Centro Studi Galileo - CSG

Cooling

- A global issue with local solutions
 - Cold chain for food and vaccines
 - Air conditioning for comfort
 - Heat pumps
 - Refrigeration



This map is without prejudice to the status of or sovereignty over any territory, to the delimitation of international frontiers and boundaries, and to the name of any territory, city or area.

MEPs, Minimum energy performances for Air conditioning



*"Smart Campus Cloud Network -
A Digital Network of Universities":
an All4Climate & pre-COP26 Side Event*



Cool Careers: the Cool Youth will save our World 2.0

- *Motivating Career Opportunities in Managing Refrigerants*

“This celebration is an acknowledgment of the role for our society played by refrigeration, air conditioning and heat pumps whether related to health, food or comfort. RACHP contractors represented by AREA are proud to contribute to achieving such noble purposes”



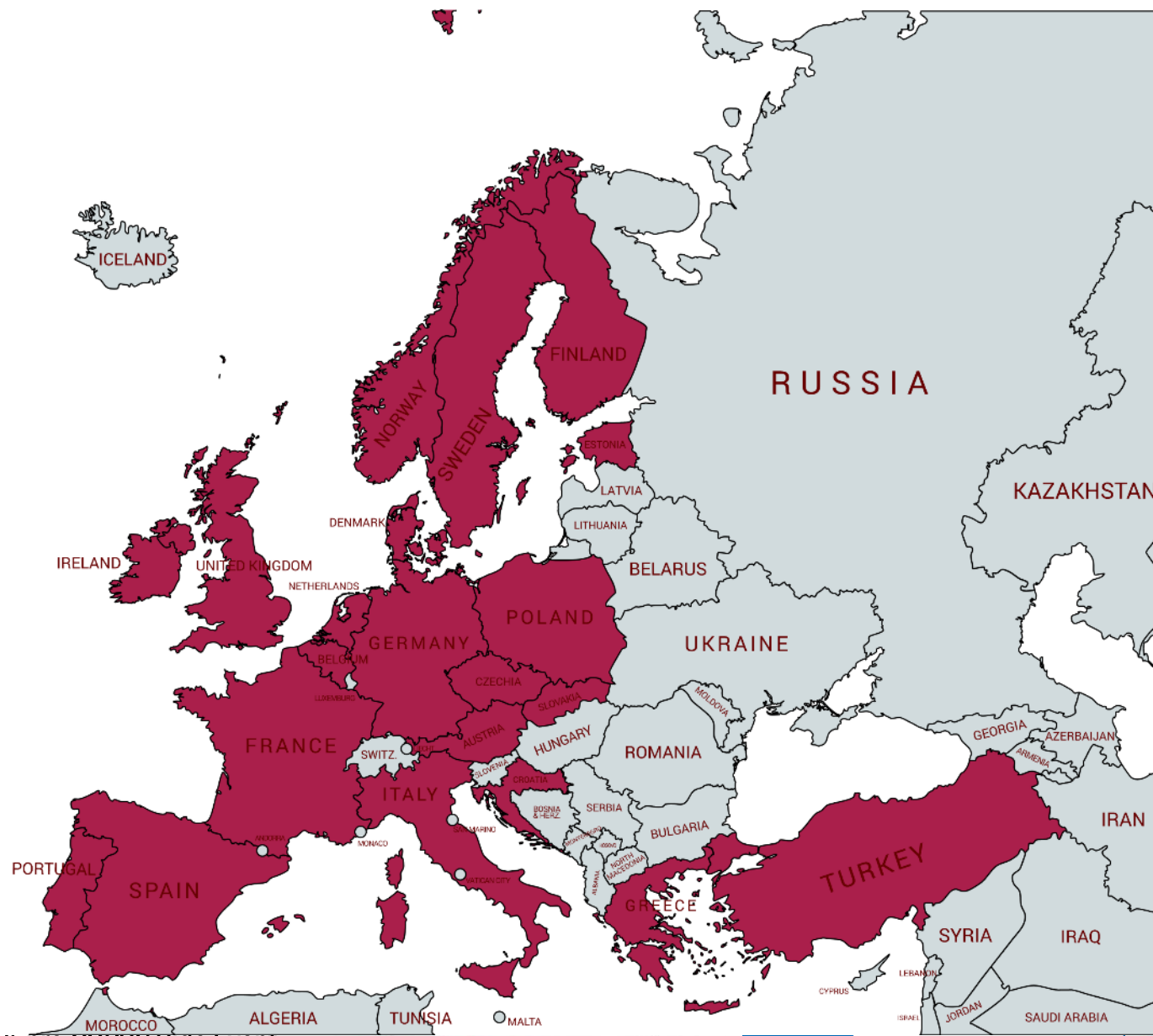
June 26th every year



“Smart Campus Cloud Network - A Digital Network of Universities”: an All4Climate & pre-COP26 Side Event



AREA Members



Created with mapchart.net

an AI4Climate & pre-COP26 Side Event

Technology, Education, Research and Rehabilitation for the Environment
Leading platform for development through Alternate Path

SmartCampusCloudNetwork



AREA members and partners got active for World Refrigeration Day 2021

- APIRAC (Portugal) has launched a cycle of video testimonies on the importance and motivations that young people can find in a career in the Thermal Industry sector in its various aspects: Refrigeration, Air Conditioning and Heat Pumps.
- [NVKL](#) (Netherlands) brings refrigeration technicians to the spotlights
- In Finland, [FREA](#), published [list and map](#) of schools and universities who are providing education related to refrigeration and heat pumps and a [serie of articles](#) about “Refrigeration in everyday life” and “At refrigeration work”.
- And many more....



“Smart Campus Cloud Network -
A Digital Network of Universities”:
an All4Climate & pre-COP26 Side Event



Is cooling the future of heating?

- IEA
- [Thibaut Abergel, Clean Energy Technology Analyst](#)
[Chiara Delmastro, Analyst](#) Commentary — 13 December 2020
- Cooling degree days (which are closely correlated with cooling service demand per square meter) are expected to grow up to **50% by 2050 up to 70% by 2070**, depending on the region and climate change impact on temperature rise
- Rising **demand** for space **cooling**

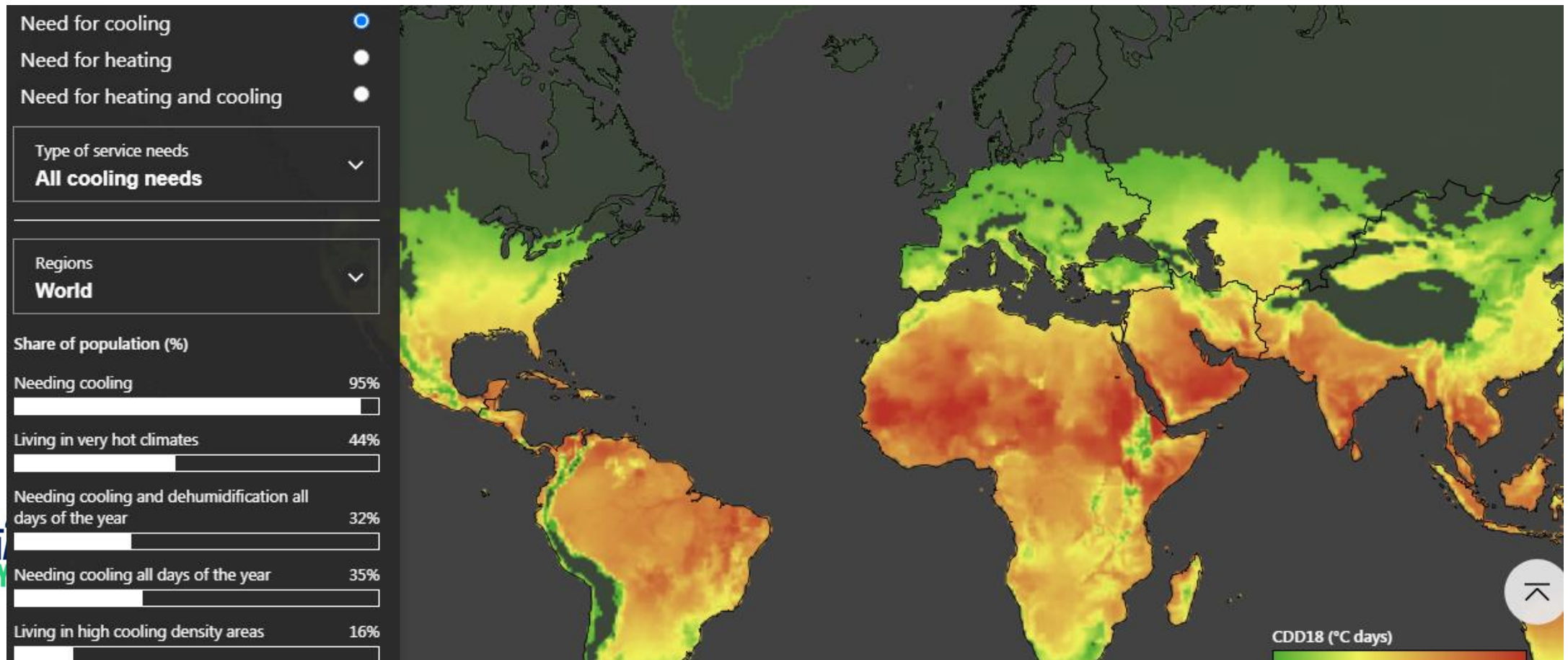


*“Smart Campus Cloud Network -
A Digital Network of Universities”:*
an All4Climate & pre-COP26 Side Event



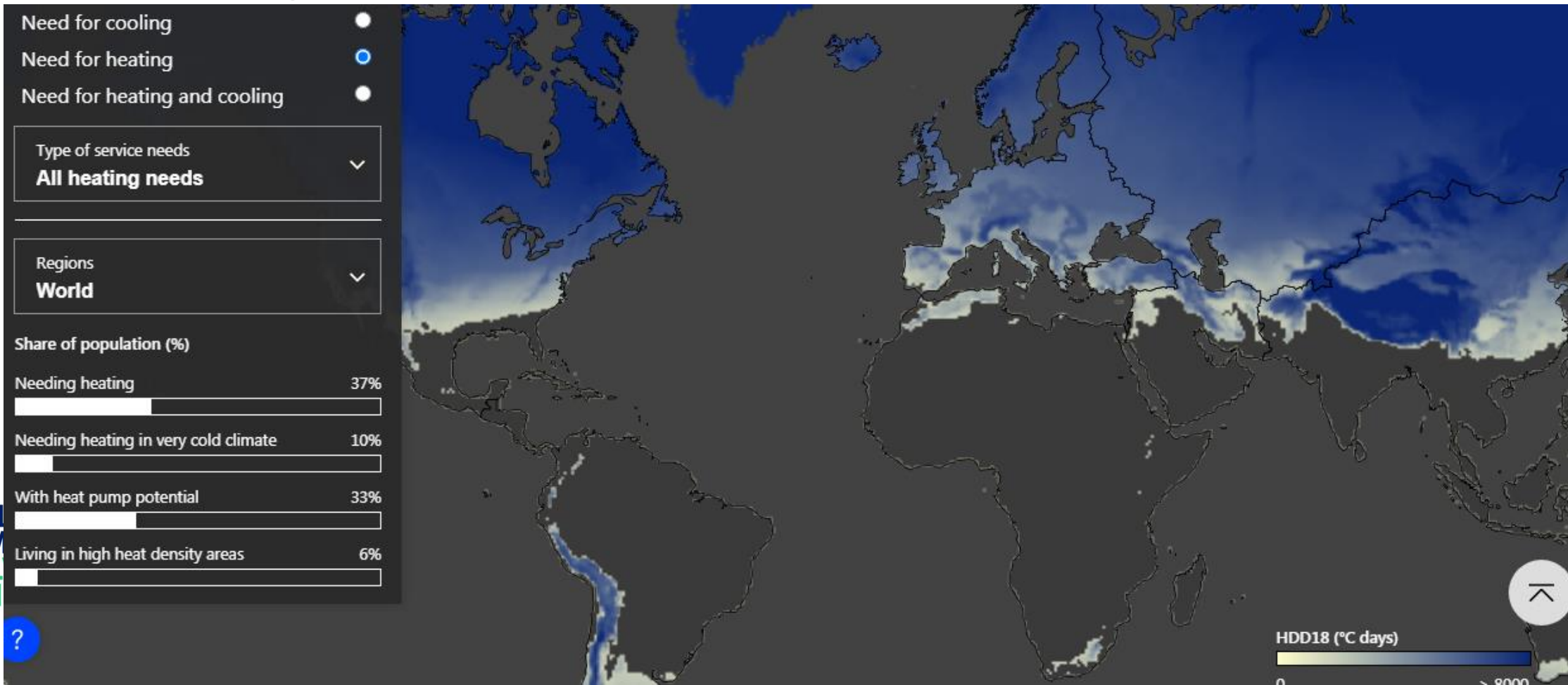
Is cooling the future of heating? (2)

- Need for cooling



Is cooling the future of heating? (3)

- Need for heating



Our sector is Essential and Growing (and exciting...)



- Refrigeration, Air Conditioning, Heat Pumps demand is increasing
 - Wealthier countries (China, India, South-East, Middle East, Africa, South America...) and emerging middle class in developing countries
 - Cold chain in Africa and other developing countries...
 - Heat Pumps (decarbonization)
 - Global warming is getting cool appliances more needed (paradox)
- and even more in the last year (covid)
 - Cold chain for the supply of food during the pandemic and the lockdown
 - Air ventilation, air recirculation, fresh air and heat recovery (airborne virus)
 - Cold chain for the supply of the vaccines (Ultra Low temperatures freezers and dry ice)



Refrigeration is essential

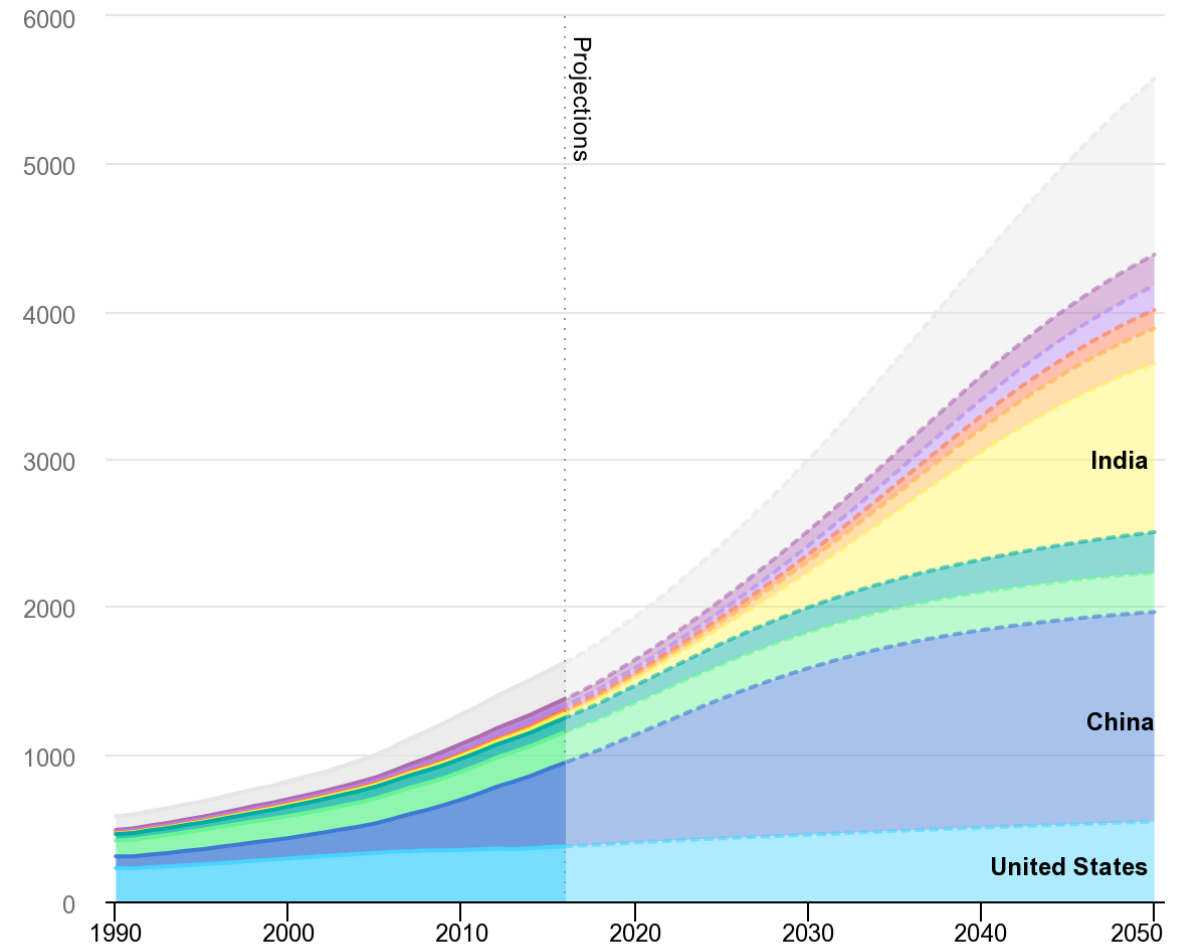


*"Smart Campus Cloud Network -
A Digital Network of Universities":
an All4Climate & pre-COP26 Side Event*



Opportunities for energy-efficient air conditioning

- By 2050, around 2/3 of the world's households could have an air conditioner. China, India and Indonesia will together account for half of the total number.
- IEA, Global air conditioner stock, 1990-2050, IEA, Paris <https://www.iea.org/data-and-statistics/charts/global-air-conditioner-stock-1990-2050>

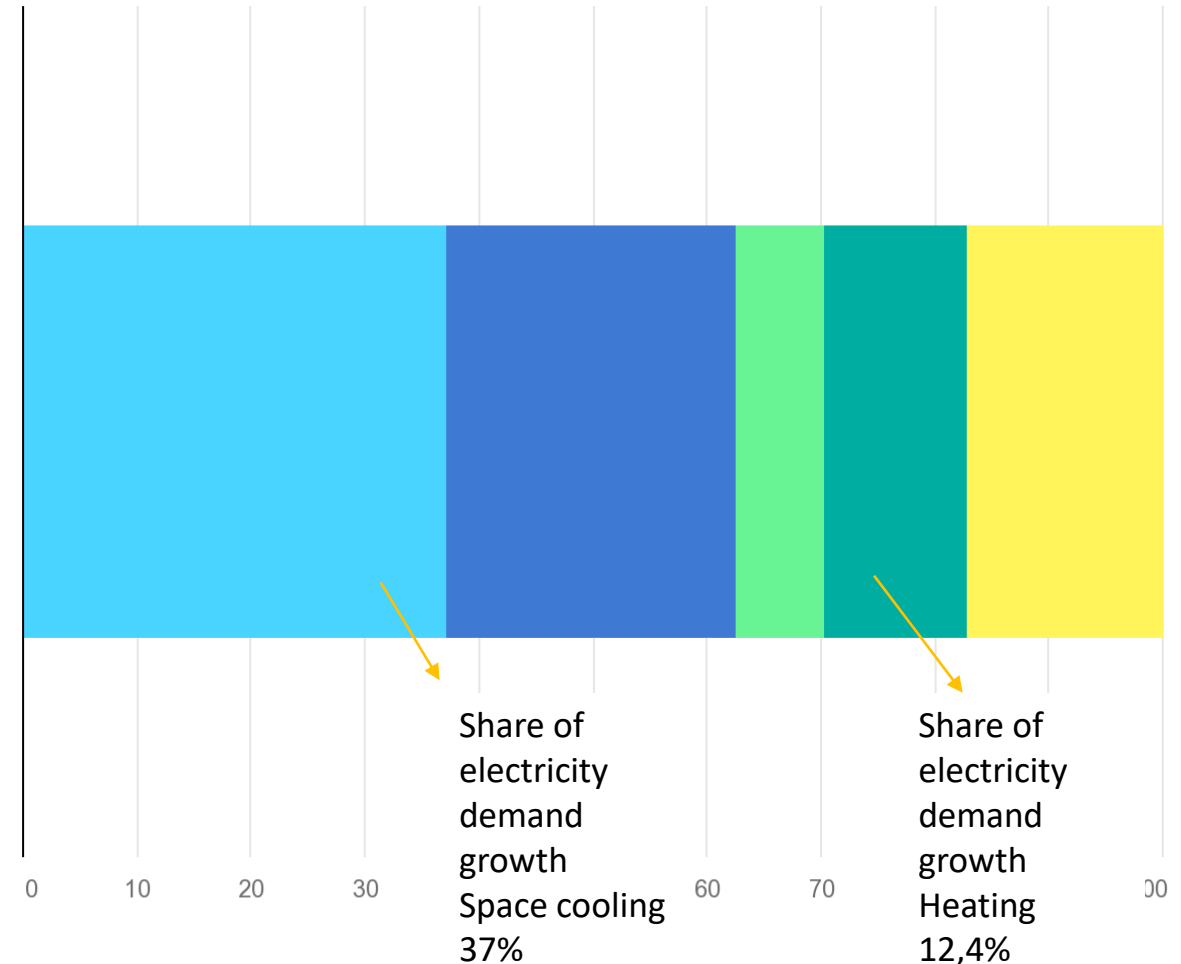


"Smart Campus Cloud Network - A Digital Network of Universities":
an All4Climate & pre-COP26 Side Event



Cooling is the fastest growing use of energy in buildings

- In 2050
- Without action to address energy efficiency, energy demand for space cooling will more than triple by 2050 – consuming as much electricity as all of China and India today.
- IEA, Share of global electricity demand growth to 2050, IEA, Paris <https://www.iea.org/data-and-statistics/charts/share-of-global-electricity-demand-growth-to-2050>
- The problem is, today's consumers are not buying the most efficient ACs
- The average efficiency of air conditioners sold today is less than half of what is typically available on the shelves – and one third of best available technology.

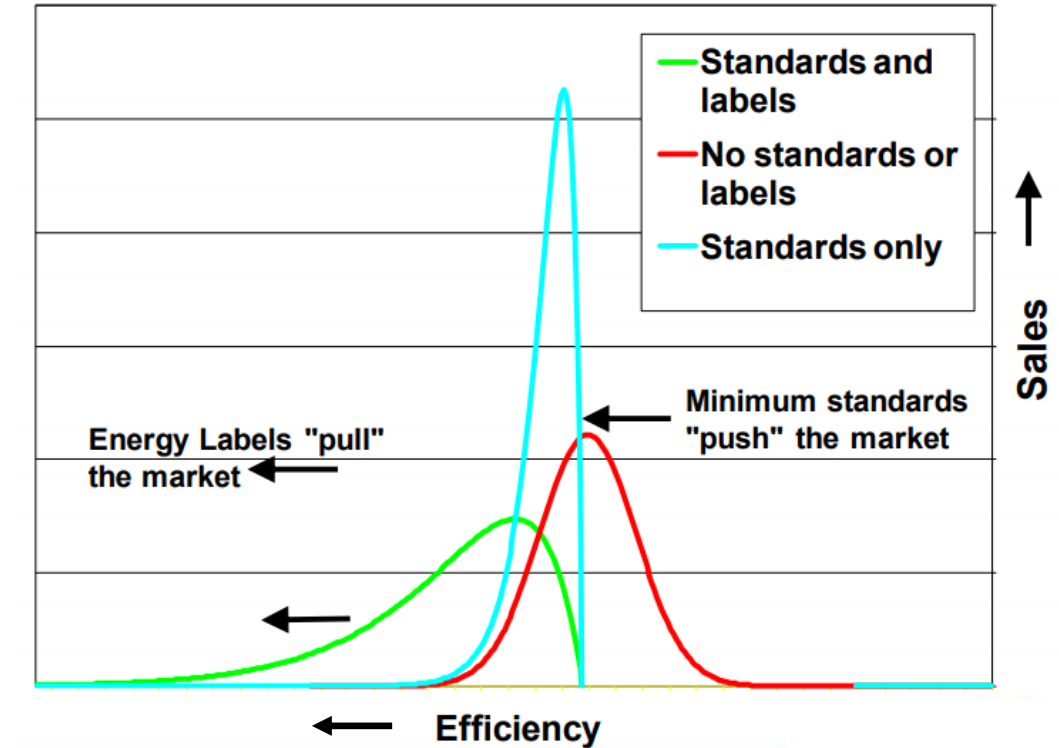


“Smart Campus Cloud Network -
A Digital Network of Universities”:
an All4Climate & pre-COP26 Side Event



Our sector is key for the future, EU is market leader for RACHP innovation

- Fgas regulation and phase down of High GWP refrigerants
- Ecodesign and Ecolabelling
- Renewable Energy Directive
- Energy Performance of Building Directive
- Circular economy
- ...



"Smart Campus Cloud Network -
A Digital Network of Universities":
an All4Climate & pre-COP26 Side Event



Careers – Green Jobs

- Innovation in new technology, more competition
- New equipment for servicing, recovery machines etc...
- More specialized technicians for new jobs (500.000 certified)
- Leak checks
- Energy performance tests
- Periodical inspections
- Logbook (paper or online) filling
- Recovery, recycling, reclaiming
- Safety aspects (most new refrigerants are flammables)
- Mutual recognition among EU Member States and consistent certification and training level → More satisfied customers, better environment and less energy



*"Smart Campus Cloud Network -
A Digital Network of Universities":
an All4Climate & pre-COP26 Side Event*



Casale Capitale del Freddo



- Italy capital of refrigeration worldwide
- Center of innovation with new refrigerants and increased energy efficiency
- Our young Engineers travel all around the globe to design, install, maintain the best RAC system
- Systems designed in Italy and installed all over the world



*"Smart Campus Cloud Network -
A Digital Network of Universities":
an All4Climate & pre-COP26 Side Event*



Workshops in schools



CASALE MONFERRATO
CAPITALE DEL FREDDO

- Every year we do several meetings in schools to share the importance and the opportunities of our sector to young students. Here in the Italian Capital of Refrigeration



“Smart Campus Cloud Network -
A Digital Network of Universities”:
an All4Climate & pre-COP26 Side Event



unesco



THANK YOU!

Marco Buoni

buoni@centrogalileo.it



*"Smart Campus Cloud Network -
A Digital Network of Universities":
an All4Climate & pre-COP26 Side Event*



Paolo Buoni

Founder and CEO

Renewable Energy Institute

www.renewableinstitute.org





Our Mission

“Promoting knowledge-sharing and best practice in Renewable Energy and Energy Efficiency with leading universities and the United Nations (UNEP) through professional Training Courses, Qualifications, Conferences, Publications, European Projects, Global Partnerships, Membership Programmes and the Internationally Recognised Galileo Master Certificate.”



“Smart Campus Cloud Network - A Digital Network of Universities”:
an All4Climate & pre-COP26 Side Event



We are part of the **Smart Campus Cloud Network** – a Digital Network of Universities.

Events organised with **Terre Policy Centre** at **Edinburgh Napier University** and **Heriot-Watt University** over the past decade

Training in Renewable Energy and Energy Efficiency at all levels, for over 45 years.

Increasingly strong interest by young professionals who want to train, up skill in green energy technologies.



*“Smart Campus Cloud Network -
A Digital Network of Universities”:*
an All4Climate & pre-COP26 Side Event



Renewable Energy Institute

To achieve our mission we work with **Centro Studi Galileo**, partner with **Terre Policy Centre**, work with **Universities, governmental and intergovernmental organisations, United Nations agencies** and leading **academics** and **experts** in the UK, Europe, the United States and around the globe. To assist a growing number of professionals from the World Bank to BNY Mellon, MET Office, BBC, Google, Siemens Gamesa, LEGO, individuals and private participants.

- Training/Education to begin and progress renewable energy career (we train around 5000 professionals in over 300 courses around the world each year.)
- Membership programme (professionals join our Institute to keep up to date and progress their career.
- Research (in Renewable Energy technology and adoption)
- Article publications (by our experts)
- Publication of research findings
- Conferences and workshops
- Knowledge sharing activities
- Round tables



*“Smart Campus Cloud Network -
A Digital Network of Universities”:*
an All4Climate & pre-COP26 Side Event



Renewable Energy Technology and Training most in demand:

Solar Photovoltaic

Energy Efficiency in Buildings

Wind Power

Combined Heat and Power

Biomass

Wave and Hydro power

Hydrogen



*"Smart Campus Cloud Network -
A Digital Network of Universities":
an All4Climate & pre-COP26 Side Event*



2021 Renewable Energy Institute research a focus on 18-25 year olds

RENEWABLE ENERGY INSTITUTE SHINES SPOTLIGHT ON GLOBAL AWARENESS IN 2021

<https://www.renewableinstitute.org/news/renewable-energy-institute-shines-spotlight-on-global-awareness-in-2021/>

- Of the age group 18-25, 56% were female and 44% male. Whereas for the survey overall, only 25% of the respondents were female; suggesting younger women are engaging more with green technology and renewable energy.
- 67% said they would consider a company's sustainability plan before accepting a job with them.
- 78% of those who were employed said the company they work for is **not** doing enough to reduce carbon emissions.



*"Smart Campus Cloud Network -
A Digital Network of Universities":
an All4Climate & pre-COP26 Side Event*



2021 Renewable Energy Institute research
a focus on 18-25 year olds

RENEWABLE ENERGY INSTITUTE SHINES SPOTLIGHT ON GLOBAL AWARENESS IN 2021

<https://www.renewableinstitute.org/news/renewable-energy-institute-shines-spotlight-on-global-awareness-in-2021/>

- The main perceived barrier to reducing carbon emissions was the unwillingness of politicians to prioritise sustainability. This was the same as the overall survey results for all age groups.
- 44% of this age group said that they don't have access to Green Technology.
- 61% said Green Technology was too expensive for them to consider, this was lower than the overall survey results at 77%.
- 94% said it was very important that their political party priorities sustainability – this was about equal with the overall survey results (93%).



*“Smart Campus Cloud Network -
A Digital Network of Universities”:*
an All4Climate & pre-COP26 Side Event



Conclusions

Youth can offer 1.8 billion strong pairs of hands that can be utilized in our quest to achieve **Sustainable Development Goals SDGs**. As SDG is a multistakeholder process, by default youth serve as the most important pillar for SDGs processes. There is a need to relook at existing strategies for Education, Employment and Access to information and knowledge directed towards young people. There is a need to appreciate their role as innovators, critical thinkers, change makers, leaders and communicators. Initiative such as **You-CAN** must be utilized to the extent possible and there is a need to forge synergy between this initiative and SCCN for mutual benefit.

Smart Campus Cloud Network – a digital network of universities

Training and education, re-training, and re-educating are key to accomplishment. Examples shown by Centro Studi Galileo and the Renewable Energy Institute prove this can and will be achieved if we put strong efforts in education.

We wish success to all other upcoming COP26 events, knowing that we will make a difference

We must transform so that none is left behind



*“Smart Campus Cloud Network -
A Digital Network of Universities”:*
an All4Climate & pre-COP26 Side Event



- THE END -

Paolo Buoni

Founder and CEO

Renewable Energy Institute

www.renewableinstitute.org



*“Smart Campus Cloud Network -
A Digital Network of Universities”:*
an All4Climate & pre-COP26 Side Event

