



Madrid, 2 - 13 December 2019

Italian Pavilion

Programme of events - Last update: 11 December 2019

December 3

H 10.30 – 12.30

Climate change and the water-energy-food nexus

Organizer: Berkeley University – Mr Lorenzo Rosa

The event will consist of talks on: “Water limits to carbon capture and storage”, “Evaluating the effects of climate change on global food security”, “Climate change, food security, and stability in the Sahel”. Indeed, it will present world-class research on the water-energy-food-climate nexus. The content of this side event reaches beyond the influence of climate change on local and global water, energy, and food security.

Talks

- Water limits to carbon capture and storage
- Evaluating the effects of climate change on global food security
- Climate change, food security, and stability in the Sahel

H 13.00 – 15.00

Local climate policies: the commitment of Italian cities

Organizer: Bocconi University – Prof. Croci

The local commitment to the climate action has been increasingly grown, and it has also been highlighted in the Paris Agreement. Italian cities are among the most active on these aspects, in particular through adherence to the Covenant of Mayors promoted by the European Commission. The meeting aims to provide an overview of the policies, actions and results obtained by local governments on mitigation and adaptation, in light of the evolution of the international framework, with a particular focus on Italian cities.

Agenda

- Edoardo Croci, GREEN University Bocconi and Sustainable Development Solutions Network Cities: "Local policies for climate change"
- Aromar Revi, Sustainable Development Solutions Network Cities : "Local governments' role towards the Agenda 2030 and the contribution to goal 13 on climate action"
- Paolo Bertoldi, JRC – European Commission: "The Covenant of Mayors"

- Bruno Villavecchia, City of Milan: "Local climate policies: The Milan case"

H 15.30 – 17.00

Promoting Health and Climate Change Nexus at COP26

Organizer: World Health Organization – Ms Marina Maiero

In recent years, there has been a rapid increase in public and policy interest on (i) the massive risks that climate change presents to the environmental determinants of health, including food, water, and air quality; (ii) the very large health gains that would result from climate change mitigation, most obviously from reduction of the 7 million annual deaths from air pollution.

This is increasingly picked up in the climate narrative. The “health cobenefits” of climate change mitigation was a core theme of the recent UN Climate Action Summit. Over 50 national governments, representing over 1 billion people, committed to align their climate change and air quality policies, and meet WHO air quality guideline values.

Protecting health and wellbeing is a top priority in adaptation planning in developing countries, and “health and wellbeing” is a priority action area (though not yet funded in practice) in the Green Climate Fund.

Next year UK, in partnership with Italy, will host COP26. This is the most important COP for 5 years, as countries are requested to update and increase ambition of their commitments to the historic 2015 Paris agreement.

The main aim of this event will be to encourage Italy and UK to make health the core, positive, action-oriented theme of COP 26. The event will show how putting Health at the centre of the negotiations would further drive climate action; gain health benefits domestically and globally; demonstrate positive international leadership.

Agenda

Open Dialogue on how to Make COP26 “the HEALTH COP”

Moderator: Dr Maria Neira, WHO

- UK delegate (TBC)
- Representatives of NGOs, Italian Climate Network, Wellcome Trust, Lancet, etc.
- Others TBD
- Dr Paolo Lauriola, FNOMCeO, Federazione Italiana dell’Ordine dei Medici Chirurghi e degli Odontoiatri, “Building a network of sentinel physicians for the environment to tackle climate-sensitive health problems: the Italian experience of RIMSA”
- The role of Italy in promoting renewable energy /health, energy and climate nexus, by Enel foundation and/or IRENA (TBC)

Conclusions and next steps

H 18.00 – 19.00

No Wood for the Trees: Which consumer goods companies are addressing deforestation issues?

Organizer: CDP - Ms. Nicolette Bartlett, Director of Climate Change, CDP

Description

This presentation looks to assess how well aligned consumer companies are to the zero net deforestation commitments set out by the Consumer Goods Forum, looking at the risks and opportunities for the sector against a backdrop of growing population and the planetary constraints to supply these key soft commodities.

We also look at the link between the companies' approach to deforestation and climate change.

Speakers

- Ling Sin Fai Lam, Senior Investment Analyst, Investor Research, CDP
- Christie Clarke, Investment Analyst, Investor Research, CDP

Ling led on “No Wood for the Trees” and Christie led on an earlier climate-related consumer goods report, “Fast Moving Consumers”.

Agenda

Ling Sin Fai Lam and Christie Clarke will be presenting the report, which will be followed by a Q&A Session.

December 4

H 10.30 – 12.30

1.5°, Net Zero and the private sector - does it all add up?

Organizer: CDP – Ms. Nicolette Bartlett, Director of Climate Change & Mr. Alberto Carrillo, Director Science Based Targets

Description: Discussion about the role of businesses in keeping warming 1.5°C and transitioning towards a net-zero carbon economy. It will focus on:

- The scaling up of business leadership on climate change
- Alignment of the private sector with the Paris Agreement
- The need to scale up NDCs and how policy can drive corporate ambition
- How private sector ambition can help drive increased ambition within the policy arena
- What private sector ambition has the potential to unlock in terms of tangible emissions reductions

Agenda:

10:30 - 10:40	Opening remarks	
10:40 - 11:00	Business Ambition for 1.5°C campaign and corporate net-zero targets	Alberto Carrillo, Director SBTi, CDP
11:00 - 11:45	Panel discussion: Private sector increased ambition and the role of policy makers. Company speaker 1: TBC Company speaker 2: TBC Company speaker 3: TBC Government representative 1: TBC	Elena Stecca, Global Manager Commit to Action, CDP
11:45 - 12:00	Closing remarks	

H 13.00 – 15.00

The enhanced transparency framework

Organizers: UNDP, Mr. Damiano Borgogno and ISPRA Mr. Riccardo De Laurentis

The side event will provide an opportunity to discuss the new requirements under the enhanced transparency framework, a key element of the Paris Agreement, as well as initial experiences from the national and subnational level.

Agenda

13.30 - 13.45

- **Welcome remarks** - the Ministry of Environment, Land and Sea Protection of Italy

13.45 – 14.15

- **The enhanced transparency framework and lessons learnt from the MRV process** - United Nations Development Program, UNDP
- **Enhancing country capacity on transparency in the context of the ICAT initiative** – Istituto Superiore per la Protezione e la Ricerca Ambientale, ISPRA
- **Regional co-operation and subnational actions in the context of the enhanced transparency Framework** – Greenhouse Gas Management Institute, GHGMI

14.15 – 14.30

- **Questions and answers**

H 18.00 – 20.00

Building capacity to increase climate resilience – experiences from global youth and civil society

Organizer: Italian Climate Network – Mr. Mattia Battagion

The side event will focus on the role of young people and civil society as drivers of climate action, analyzing the role that national and local governments play in building local capacities. The conversation will begin by exploring the Italian national context and will later expand to include international cooperation efforts on the subject. The side event will address the importance of teaching the skills needed by young people around the world, involving the areas provided for by the six elements of Article 6 of the Convention and the ACE dialogues. Interregional collaboration efforts will be explored through the Mediterranean Youth Climate Network (MYCN), of which Italian Climate Network is among the founders. Finally there will be two testimonies, from the president of Climate Tracker and from a youth journalist of the global south, on the work of involvement and youth empowerment carried out through climate journalism.

Agenda

- Francesca Casale - Italian Climate Network
- Francesco Campo - Italian Climate Network
- Chris Wright - Climate Tracker
- Malek Abualfailat - Mediterranean Youth Climate Network

December 5

H 10.30 – 12.30

Sustainability, Adaptation and Resilience: the strategy of Abruzzo, Umbria and Marche regions

Organizer: Abruzzo region – Ms Iris Flacco

Based on the interregional sustainable development strategy jointly implemented by the Abruzzo, Umbria and Marche regions and on the regional strategies and programs on adaptation to climate change, the event aims to present the actions these regions are implementing to make their territories resilient. It aims also to highlight, through the illustration of experiences and case study, that it is necessary taking into

account the specific needs of each local territory in order to develop efficient and effective strategies and plans.

The role of the regions is recognized as crucial in fighting against climate change as regions deeply know needs of their territories. The event will be opened by Daniele Violetti - Director of Finance, Technology and Capacity Building Programme UNFCCC secretariat; the first part of the event will focus on the presentation of the programs and strategies of Abruzzo, Umbria and Marche regions, followed by the presentation of the experiences of local communities as application expression of the above-mentioned strategies and by University's experience as a cross party institution.

The event will be also an open debate aimed at promoting share of experiences and confrontation between all involved institutions.

Agenda

Introduction and institutional welcome address

- Nicola Campitelli, Councillor for Urban Planning and Territory, Maritime Domain, Landscapes, Energy and Waste of Abruzzo Region, Italy and AER – Assembly of European Regions – Committee 1 Vice-president
- Federica Fricano, Director for EU Affairs and International Climate Negotiation Ministry of the Environment, Land and Sea, tbc
- Daniele Violetti, Director of Finance, Technology and Capacity Building Programme UNFCCC secretariat

Session 1 Regions as intermediate bodies

- Iris Flacco, Manager of Department of Energy Policy, Air Quality, National Environmental Information System and Mining Resources of the Territory, Abruzzo Region - Abruzzo Region: the regional strategy of sustainable development and adaptation to climate change – Case study: Interreg Med Esmartcity project with focus on the Pescara pilot projects
- Sandro Costantini, Manager of the Environmental Assessment, Development and Environmental Sustainability Service, Umbria Region - Umbria Region and the challenges of resilience in the governance of catastrophic events
- Massimo Sbriscia, Head of Environmental remediation, Energy resources, Waste management, Quarries and mines Unit, Marche Region - Marche Region: an effective energetic and environmental certification of building for a successful sustainable urban development
- Lombardia Region: regional action plan for adaptation to climate change
- Paolo Angelini - Delegation to the Alpine Convention and Italian Ministry for the Environment - Case study: Linkpass ESPON2020 project - territorial impacts of protected areas coordinated management in mountain areas

Session 2 Bottom-up strategy shining example

- Dina Del Tosto, Environmental Policies and Life Quality Office - Environment and Civil Protection Sector – Municipality of L'Aquila - Appennines chart as instrument of adaptation on climate change:
- Patrizio Schiazza, Ambiente è vita Association - City of Raiano - L'Aquila case study Climate covenant of Raiano City

- Prof. Piero di Carlo, Associate professor of atmospheric physics and climate - University “G. D’Annunzio” of Chieti-Pescara, Italy - Agriculture and adaptation to climate change: the experience of a winery in central Italy

Q&A / Open Debate with the Audience

- Closing Remarks
- Nicola Campitelli, Councilor for Urban Planning and Territory, Maritime Domain, Landscapes, Energy and Waste of Abruzzo Region, Italy

H 13.00 – 15.00

Improving Resilience of Infrastructures and Human Settlements in Caribbean States

Organizers: UN-Habitat, Mr. Marcus Mayr - University of Southern Denmark (SDU), Mr. Nicola Tollin

The proposed event will present the challenges and solution for building the resilience and sustainability of key infrastructures, starting from the central role of education infrastructure and schools. Speakers will share solutions and experience from a diverse background, including key questions:

- ✓ How can schools serve as transformation points to improve infrastructure and shelter for wider settlement resilience – both short and long term;
- ✓ What experiences globally and more specifically, in Small Island Development States, exist to build a more resilience education sector including school infrastructure;
- ✓ What are the national, regional and international initiatives that create a suitable investment climate;
- ✓ How can investments in resilience be coupled with wider sustainable development co-benefit;
- ✓ How to mobilize international support to small island developing states is another key point to be discussed.

Agenda

Opening Remarks: Marcus Mayr, UN-Habitat

Moderator: Nicola Tollin, University of Southern Denmark (SDU)

- Maimunah Mohd Sharif, Executive Director, UN-Habitat
- Hon. Gale Rigobert, Minister for Education and Sustainable Development, Saint Lucia
- Dianne Black-Layne, Ministry of Environment, Antigua & Barbuda
- (Rose Mwebaza, Director or Federico Villatico, LAC Regional Manager) CTC-N
- Government of Dominica
- Adaptation Fund
- Ministry of Environment of Italy

H 15.30 – 17.00

Taking stock: Global Climate Action by non-party stakeholders

Organizer: CDP – Mr. Pietro Bertazzi, Global Policy Director and Ms. Jennie Glead, Senior Policy Manager

This event will look at the growth of non-party stakeholder climate action since the Paris Agreement – with a selection of panelists drawn from different areas of the Global Climate Action Agenda. The event will explore the successes and challenges of this Agenda and what is next for non-party stakeholder climate action.

Description: This event will look at the growth of non-Party Stakeholder climate action since the Paris Agreement – with a selection of panellists drawn from different areas of the Global Climate Action Agenda. The event will explore the successes and challenges of this Agenda and what is next for non-Party Stakeholder climate action.

Event outline: The opening key note will be given by a senior figure within the Global Climate Action Agenda, and will set the scene by outlining why companies, cities, investors & civil society have a vital role to play in tackling climate change, and the important contribution they have made.

The expert panel will address a set of questions that include:

1. What have been the main achievements of the Global Climate Action Agenda?
2. How is Paris implementation already underway by non-Party stakeholders, and what are the barriers to accelerating this implementation?
3. How are we keeping track of this action? What tools are needed to better track this progress towards the Paris goals?
4. Where do we need to scale up climate action by non-Party stakeholders?
5. Is there a need for the Global Climate Action Agenda post-2020? What could this look like?

The panel discussion will be followed by a Q&A with the audience.

Speakers: speakers will be drawn from across the Marrakech Partnership for Global Climate Action, including Parties and non-Parties.

H 18.00 – 20.00

Food, water, energy: how to regenerate earth through innovation

Organizer: Future Food Institute - Ms. Sara Roversi

Future Food Institute has been chosen by the Ministry for the Environment as one of the Italian excellences to be brought to the Conference of the Parties to the United Nations Convention on Climate Change, COP 25, scheduled in Madrid (Spain) from 2nd to 13th December 2019.

Specifically, Future Food Institute was chosen for "Food for Earth Toolbox", a new systematization of global best practices that marks the adoption of a multidisciplinary and systemic concept of regeneration of the planet through food, water and energy.

The presentation of the Toolbox will take place within the programming of the Ministry of the Environment, at the Italian Pavilion. The entire Pavilion will focus on the decarbonisation of the economy and on

adaptation strategies, starting from the implementation of the Paris protocol which plans to contain the increase in the average temperature of the planet in the current century well below the threshold of 2° C compared to the pre-industrial era, pursuing the objective of the limit of 1.5° C.

Future Food Institute starts from the analysis by the Intergovernmental Panel on Climate Change and from the observation of the data for which it is shown that human activities have profoundly modified the composition of the atmosphere on our Planet. The CO2 concentration is at a higher level than the last hundreds of thousands of years. This increase in greenhouse gases in the atmosphere has led to a series of climatic variations that have economic impacts on the physical and mental health of human beings.

In particular, cities, rural areas and oceans suffer the most devastating impacts of climate change and at the same time they have become their cause, due to human activity.

In this process, it is essential to start from food systems, food value circles, water management and energy to regenerate ourselves and the planet.

For this reason, Future Food Institute has concentrated its research on these 3 places, mapping the already existing innovations to provide concrete innovative solutions to the environment, starting from a regeneration of essential resources and studying, together with FAO, a Toolbox that allows different stakeholders to apply best practices to 5 thematic areas (food diplomacy, prosperity, circular living, food identity and climate smart ecosystems), taking care to apply them through a reflection on 4 macro areas: humana communitas; metrics; platforms and models.

These areas have also been applied to the 8 winners of the Unido Itpo Italy award, which will provide a description of these solutions applied to developing countries, which have a strong focus on agri-food and are responsible for this sector for most of the CO2 emissions. The Toolbox was developed through a journey of regeneration of the 3 areas mentioned above (cities, rural areas and oceans) from 10th July to 10th September 2019 between New York, Tokyo and Iceland and that was presented on 27th September at the UN on the occasion of UNGA week and the Global Climate Action Summit. For COP25, Future Food has selected high-impact public and private entities and partners that have validated the Toolbox.

Agenda

- Sara Roversi, Founder of Future Food Institute
- Food for Earth: a regeneration toolbox in the framework of SDGs
- Luca Meini, Head of Circular Economy - Holding ENEL: Circular living: cities of tomorrow
- Stefano Vittucci, Partner at EY - Restructuring & Reshaping Results - Retail and Consumer Products Sector Leader: Climate Smart Ecosystems: Climate Smart Farms
- FAO, Climate Change Division and e-learning platform
- Artur Arqués, Arcasa Group - CAMST Food identity: Climate Smart Kitchens - talking SDGs starting from kitchens
- Christopher Spezzano, President at Empathy Incubator, Earth Regeneration through the science of empathy
- Andrea Carapellese, International Expert on Investment & Technology at UNIDO United Nations Industrial Development Organization: Prosperity: best practices on the impact of food innovation on Developing Countries
- Bea Jacoste, Future Food Alumni, Best practice in food diplomacy

H 10.30 – 12.30

Nature based solutions to climate change – on the road to post-2020 climate and biodiversity targets

Organizer: CDP Mr. Morgan Gillespy, Director – Forests, Helen Finlay, Senior Policy Manager – Forests

Description

Both the United Nations Framework Convention on Climate Change (UNFCCC) and the Convention on Biological Diversity (CBD) are at a crucial moment in the development of their post-2020 Climate and Biodiversity targets. Countries are in the process of updating their Nationally Determined Contributions (NDCs); finalizing the Paris Rulebook; and negotiating the successors to the Aichi Targets. Whilst nature-based solutions are already prominent in many of these policies, a strong increase in ambition is necessary to reduce the pace of climate change and biodiversity loss.

Objective of the event

In cooperation with the Government of Italy, CDP will bring together representatives of some of the most relevant stakeholders in the nature-based solutions debate from across the world. This session will explore how nature-based solutions applied at landscape-level can help conserve forests, reduce biodiversity loss, improve water quality and security and mitigate climate change risk. During the event, representatives from the private sector, sub-national governments and civil society will discuss the role each group of actors can play in deploying these solutions, in the context of the upcoming opportunities for more ambitious targets to be set in multilateral fora.

Agenda

Time	Speakers
10:30 – 10:40	Opening Remarks Mr. Pietro Bertazzi, Global Director, Policy Engagement, CDP
	Keynote Speech
10:40 – 10:55	Mr. Xinming Lu, Department of Climate Change, Ministry of Ecology and Environment (MEE), People’s Republic of China
10:55 – 11:10	Ms. Jennifer Morris, President, Conservation International.
11:10 – 11:25	Mr. Luiz Cornacchioni, Executive Director at ABAG – Brazilian Agri-Business Association, Facilitator at the Brazilian Coalition on Climate, Forests and Agriculture.
11:25 – 11:40	Mr. Sergio Graf Montero, Secretary of Environment & Territorial Development, State of Jalisco, Mexico
11:40 – 12:00	Q&A from the Moderator
12:00 – 12:20	Q&A from Audience
12:20 – 12:30	Closing Remarks

Format

1. Keynote speech

Presentation by Mr. Xinming.

2. Presentation by the speakers

Each speaker will have 15 minutes to present their institution's views and activities regarding Nature-based Solutions.

H 13.00 – 15.00

Assessing Progress on Paris: How the private sector can drive decarbonisation of the global economy

Organizer: CDP and World Benchmarking Alliance (WBA) - Ms Elena Eugenia Beuchod, CDP

Overview

Together with key stakeholders from business, government and civil society, we will convene a roundtable to explore the implications and impacts of the Automotive Benchmark in the context of the Climate and Energy Benchmark, which through 2020-2023 will assess the climate action of high-carbon emitting industries, starting with electric utilities and oil and gas. The dialogue will evolve around the data, sector analysis and trends within the automotive industry, examining the extent to which companies' climate strategies and operations are aligned with the Paris Agreement. Supported by corporate and investor representatives who will speak to the findings and impact of the benchmark, the session will seek to empower stakeholders to better drive corporate progress in the transition to a low-carbon economy.

Outcomes

- Launch the Automotive Benchmark: share, seek feedback and discuss the benchmark's results, data and key findings.
- Identify key stakeholder discussions to be taken forward and developed.
- Promote the Climate and Energy Benchmark partnership in the context of upcoming benchmarks and different areas of work.

Agenda

13:00 – 13:05 Welcome address

13:05 – 13:20 Vicky Sins – *Climate & Energy Benchmark Lead, World Benchmarking Alliance*

- Presenting the results and 1 key finding from the Automotive Benchmark in the context of the broader Energy and Decarbonisation Transformation.
- Utilising the assessment of auto-manufacturers to spotlight emerging trends around corporate practice, accountability and impact on climate action.
- Exploring how the benchmark's findings can provide calls to actions and support climate activities of key stakeholder groups.

13:20 – 13:30 Pietro Bertazzi – *Global Director, Policy Engagement*

- Presenting 1 key finding from the Automotive Benchmark in the context of global disclosure and environmental management

13:30 – 13:40 Rocio Caicedo Torrado – *Project Manager, ADEME - ACT Deep Decarbonisation Pathways (DDP)*

- Presenting 1 key finding from the Automotive Benchmark in the context the ACT Initiative

13:50 – 14:00 Audience response and questions

14:00 – 14:10 Corporate intervention

14:10 – 14:20 Investor intervention – (TBC)

14:20 – 14:50 Open dialogue, guiding questions as below:

- What is the role of keystone companies in driving action across the decarbonisation and energy system?
- How can the benchmark results, data and key findings inform the development of evidence-based policy interventions to incentivise business to lead and innovate?
- How can benchmarks contribute to more robust corporate disclosure practices and facilitate more effective impact measurement processes?
- How can benchmarks support cross-sector collaboration at both the scale and speed needed to achieve the Paris Agreement?

14:50 – 15:00 Close

H 15.30 – 17.30

Emilia-Romagna strategy on mitigation and adaptation: tools and actions for its implementation

Organizer: Emilia-Romagna Region

The aim of this workshop is to share with the participants the Emilia-Romagna region experience on the construction of the regional Strategy on mitigation and adaptation for the climate changes.

Will be investigated the participatory and mainstreaming process, the methodologies applied for the definition of the future actions integrated with the regional actual planning and laws.

A specific intervention will be dedicated to the regional Observatory for the future scenarios on climate change that will be implemented as support for the Emilia-Romagna public administration for the definition of the local adaptation plans.

A final debate on the recent and important planned actions on the sustainable mobility and the transition for the vehicles to net emission will close the event.

Agenda

- Welcome remarks – P. Ferrecchi – General Director – Emilia Romagna Region
- The Emilia-Romagna experience for mitigation and adaptation strategy: process, methodology and actions – P. Bianconi - ART-ER/Emilia-Romagna Region
- The regional Observatory for climate change scenarios and for the climate change alert system – L. Botarelli – ARPAE Emilia-Romagna region
- The plan and actions on Emilia-Romagna for the mobility transition to the net-zero emissions – P. Ferrecchi General Director – Emilia Romagna
- Discussion
- Conclusion

H 18.00 – 20.00

Local adaptation to climate change in mountain municipalities: principles and practice from the territories

Organizer: Fondazione Lombardia per l'Ambiente – Ms. Mita Lapi

Local adaptation to climate change has become an urgency in mountain regions: several municipalities across the Alps signed the Budoia Charter for Local Adaptation to Climate Change since 2017 and a great interest for the initiative has been shown also in other mountain regions.

The side event will present the results of the implementation of a pilot project carried out across the whole Italian Alpine area according to a “case-study” approach which helped identifying and prioritizing local climate change impacts in the affected sectors.

Cooperation among all levels of government is crucial to propose suitable solutions to be applicable in regional and local planning policies.

The side event will showcase how governments can be actively engaged in climate action; the debate will involve representatives from Alps, Carpathian, Pyrenees, Apennines.

Agenda

Welcome address

- Paolo Angelini, Italian delegation to the Alpine Convention represented by the Ministry for Environment, Land and Sea Protection

Chairman: Fabrizio Piccarolo – Director, Lombardy Foundation for the Environment

The mitigation and adaptation of climate change in the mountains towards 2050 targets

- Musonda Mumba, PhD, Chief, Terrestrial Ecosystems Unit (TEU) - Ecosystems Division, UN Environment
- Helmut Hojesky, representative of the Alpine Climate Board
- Aitor Zulueta, Director of Natural Heritage and Climate Change, Basque Country, on behalf of the Pyrenees Working Community (CTP)

The local dimension of climate change in the mountains – impacts and sectors

- Tiina Vahanen, representative of the Mountain Partnership
- Iris Flacco, Manager of Department of Energy Policy, Air Quality, National Environmental System and Mining Resources of the Territory, Abruzzo Region

From Budoia on: a Charter for local adaptation to climate change in the mountains – local commitment for global goals

- Marco Pregnolato, Lombardy Foundation for the Environment
- Pierluigi Malavasi, Catholic University of the Sacred Heart, Italy
- Piero Di Carlo, University “G. D’Annunzio” of Chieti-Pescara, Italy

Closing political debate

- Marta Subirà, Secretary for Environment and Sustainability, Government of Catalonia
- Elena Moreno Zaldibar, Deputy Minister for the Environment, Basque Country
- Raffaele Cattaneo, Councilor for the Environment and Climate, Lombardy Region

December 7

H 10.30 – 12.30

Albedo for Africa project - “GW mitigation, water river preservation, rainwater for life and food”

Organizer: Interuniversity Center for Research on Pollution and the Environment, Prof. Franco Cotana

The purpose of the side event is to show the results obtained in different fields of application of innovative techniques for contrasting global warming through the design, installation and maintenance of high albedo artificial surfaces also showing a sustainable solution for water recovery and management, according to the main results obtained in the Gest River Project.

Therefore, the CIRIAF (Interuniversity Research Center on Pollution and the Environment) of the University of Perugia has developed a theoretical model and a prototype for the application of high albedo surfaces and particular optical properties in rural and urban areas, where the cultivation of biomass for food and energy can be optimized and improved.

Agenda:

- Prof. Federico Rossi: “The high albedo technologies for counteracting GW: case studies and applications”
- Prof. Franco Cotana: “The new high albedo membranes for agricultural applications and water efficiency management within the Gest River Project”

H 13.00 – 15.00

CARBON FOOTPRINT OF COFFEE Experiences on Carbon Footprint of Product (CFP) in Costa Rica and Italy to support a smaller CFP of our daily cup of coffee.

Organizer: Carbon Footprint Italy – Mr. Daniele Pernigotti

The Carbon Footprint of Product is a powerful tool for the quantification of the GHG emitted during the entire life cycle of a product, allowing the identification of GHG emission hotspots and facilitating the establishment of value chain cooperation for future mitigation actions. This side event will focus on the importance of CFP Programme Operators for an effective CFP implementation and on case studies of coffee in Costa Rica and Italy.

Agenda

- Introduction of ISO 14067:2018 and Carbon Footprint Italy – Daniele Pernigotti, Carbon Footprint Italy, Convenor of the ISO/TC 207/SC7/WG8, responsible of the ISO 14067:2018 development

- A new transnational CFP Programme Operator in America – Laura Mora, Ministry of Environment of Costa Rica
- The experience on CFP of the coffee producers – Victor Vargas Gamboa, Coordinador de producción sostenible of “Instituto del Café de Costa Rica”
- The Lavazza’s experience on CFP of coffee – Mario Cerutti, Lavazza

H 15.30 – 17.30

National ambition to local action: the role of municipalities in realising and exceeding African NDCs

Organizer: CDP

Time	Session	Speaker (s)
15:30-15:50 (20 mins)	Introduction Opening presentation from CDP to set the scene and discuss monitoring and reporting for tracking city action against Nationally Determined Contributions	Ms. Shirin Reuvers, Associate Director, CDP
15:50 – 16:20 (30 mins)	Expert Opinion from Partners Expert presentations explaining the NDCs and examples of best practice	Mr. Elong Mbassi, Secretary General, UCLG Africa (10 mins) Ms. Tara Caetano, Senior Professional officer: Climate Change, Energy & Resilience, ICLEI Africa (10 mins) <i>Africa center for sustainable development Representative (10 mins) TBC- Instead 10 mins for Q&A</i>
16:20-16:40 (20 mins)	Experiences from City Mayors Presentations from Mayors on the climate actions they are taking, their understanding of their countries NDCs and the challenges they face/ successes they have had.	Mr. Mohamed Sefiani, Mayor of Chefchaouen , Morocco (10 mins) Councillor Dana Wannenberg, MMC for Agriculture and Environmental Management, City of Tshwane (10 mins)
16:40- 17:10 (30 mins)	Panel Discussion Panel discussion on the role of African cities in achieving and exceeding ambition set out in African NDCs. Moderated by Shirin Reuvers and featuring all previous speakers.	All speakers
17:10-17:30 (20 mins)	1 Q&A and closing remarks	All speakers

Description of event

Nationally Determined Contributions set as a result of the Paris Agreement in 2015 embody each country's efforts to reduce national emissions and adapt to the impacts of climate change. These plans, created in the context of national priorities, circumstances, and capabilities pair national policy setting with a global framework for collective action towards a more sustainable and resilient future. We know, however, that even if each and every NDC was achieved within the individually defined timeframes, the world will not remain below 1.5 degree warming. In fact, [according to recent estimates](#), current NDCs put us on track to almost 3 degrees of warming by 2100. With cities responsible for 70% of global emissions and most of the 8 billion people to be impacted by the climate crisis in the next decades living in cities, we cannot achieve a low carbon resilient world without focusing on the urban environment and the actors that define it.

This event focuses on Africa as a continent experiencing not only unprecedented economic development and urban growth but also the current and devastating impacts of climate change. Cities and local governments are however by no means passive actors, they are moving forward and driving the transition to sustainability and resilience. The purpose of this event is to support African cities and local actors in demystifying the NDCs and the NDC process and to place NDCs as a central point of reference for climate action work across all levels of government. The event aims to contextualise the NDCs and their goals in terms of city development agendas and to spark fruitful discussion on the ways in which cities and governments can work together towards the territorialization of the NDCs.

H 18.00 – 20.00

“FAIBENELAPELLE” - System to measure leather's environmental footprint

Organizer: Experimental Station for the Leather and Tanning Materials Industry –Mr. Edoardo Imperiale

The objective of the project is to contribute to considerably reduce the cost that companies have to incur in order to obtain a robust, reproducible, comparable and verifiable assessment of the environmental footprint of their products, through the development of an integrated calculation system with simplified databases and interfaces. The system is in full compliance with the method recommended by the European Commission and international standards. In fact, it firstly allows to identify environmental improvements optimized with respect to the cost / benefit ratio; it secondly allows a correct and robust communication, with the possibility of supporting the development of the Made Green in Italy brand.

Speakers

- Paolo Masoni, President Ecoinnovazione srl

December 9

H 10.30- 12.30

Shifting the Trillions - Can supervisory policies really save the day?

Organizer: CDP (speakers and agenda under preparation)

H 13.00- 15.00

Climate and Ocean Literacy: Tools for a Sustainable Future

Organizer: IOC-UNESCO (*International*) – Ms. Francesca Santoro

Description: The event will be introduced by a presentation that will provide a general overview on climate change and ocean education issues, trying to highlight the increasing role of the topic in UNFCCC negotiation. Afterwards some practical examples, and good practices will be presented. The event will continue with an open debate to define some recommendations for future actions.

Agenda: Francesca Santoro (IOC-UNESCO), Selvaggia Santin (CMCC), Markus Reymann (TBA21 Academy)

H 15.30 – 17.30

Voluntary markets and the role of compensation projects post 2020

Organizer: *Italian Climate network and Carbonsink*

This side event aims to present the views of various experts on the role of voluntary carbon markets in achieving the objectives of the Paris Agreement.

In particular, the importance of voluntary action under the Paris Agreement and the decarbonisation process will be highlighted, with an in-depth look at the negotiations for Art. 6 and the post-Kyoto markets. In this regard, it will be discussed how the private sector can contribute to financing mitigation projects through the voluntary market, with an in-depth look at the Enhanced Transparency Framework and LULUCF reporting and accounting.

Finally, the importance of an approach to compensation projects based on respect for Sustainable Development Goals, human rights and stakeholders' participation will be reiterated.

Agenda

- The voluntary markets' role in companies' mitigation strategies - Andrea Maggiani, Managing Director Carbonsink
- The Enhanced Transparency Framework under Paris Agreement: LULUCF reporting and accounting - Marina Vitullo, Researcher ISPRA
- Voluntary actions and Article 6: essential pillars for the implementation of the Paris Agreement - Stefano De Clara, Director, International Policy IETA
- Sustainable Development Goals and Human Rights inclusion in compensation projects - Rachele Rizzo, Negotiations' Coordinator Italian Climate Network

H 18.00 – 20.00

International Academy of Environmental Sciences (Venice) - A European criminal court to protect the environment and the health of citizens: a proposal to change Europe

Organizer: International Academy of Environmental Science

The climatic-environmental situation in Europe and in the world is a serious problem. We are experiencing the disasters. Climate change is compromising entire ecosystems and the right to a healthy environment for future generations. European citizen and the rest of the world is concerned about the status of the environment and its continuous degradation with little if any improvements.

The European Union should now take vigorous action to combat the serious problem of the climate, since the directives issued are not sufficient to combat the problem. Furthermore, there are adjacent issues that current laws do not appropriately addresses for example the right to employment, protection of cultural heritage, fair competition, and so on. Consequently we can only conclude that to counteract the current situation the only plausible solution is the institution of a new judicial criminal law that has the ability and power to intervene where state's court have not, this to ensure that who pollute pays with the certainty of punishment.

To ensure this certainty it is also important to establish a legal-scientific commission to work in parallel and to support the new criminal court for the environment and health. This new established court shall have a close working relationship with ICC and the Court of Justice of the European Union.

One additional and important issues is the problematic evaluation of environmental projects, which currently use linear economy rather that circular economy therefore, do not have the ability to include in the economic evaluation the monetary value of the ecosystem services and this important issue should also be part of the duty of the new court.

Agenda

Opening Session

- Welcome from IAES – International Academy of Environmental Sciences – Venice

Introduction

- Jo Leinen - President of the EMI - European Movement International.
- Video statements by high-level supporters from: Argentina, Ecuador, India, Germany.

Panel discussion: A EUROPEAN CRIMINAL COURT OF HEALTH AND ENVIRONMENT AGAINST CLIMATE CHANGE

Speakers

- Antonino Abrami - IAES - Acting President of the IAES - International Academy of Environmental Sciences - Formerly Judge of the Supreme Court of Cassation - Professor Emeritus of the University of Nova Gorica
- Cuno Tarfusser - Formerly Vice-President of the International Criminal Court (ICC)

- Saša Dobričič - University of Nova Gorica, Republika Slovenija - UNISCAPE_University Network for the Implementation of the European Landscape Convention
- Juan Manuel Palerm Salazar - President of the UNISCAPE - University Network for the Implementation of the European Landscape Convention y Catedrático de La ULPGC
- Angelo Greco - Director Technology and Finance of the IAES - International Academy of Environmental Sciences - Venezia
- Jacopo Berti - Regional Councilor Movimento 5 Stelle, Regional Council of the Veneto - Italy

Open debate

December 10

H 10.30 – 12.00

Accelerating corporate climate action: the role of policy

Organizer: CDP

Description: The event will launch the key findings of CDP's latest publication on corporate climate action and policy. This will be followed by a panel discussion, featuring speakers from across the policy and corporate spheres, to discuss how these two key stakeholders can work together to accelerate climate action. The event will examine what governments and corporates are doing on ambitious climate action, and what support they need from each other to ensure barriers to action are easier to overcome.

Event outline:

The event will begin with the key findings from CDP's recent policy-focused analysis of corporate climate data – including analysis of the risks and opportunity data from the top 350 largest public companies worth \$28 trillion in market cap, plus a broader look at just how ready the larger sample of publicly listed companies that disclose to CDP are to align with the recommendations of the Task-Force for Climate-Related Disclosure recommendations.

An expert panel will then address a set of questions that include:

1. What do corporates and policymakers need from each other in order to catalyse further climate action?
2. How can they best work together – how can we put 'ambition loops' into practice?
3. What are the easy wins when it comes to climate policy and regulation that could unlock corporate action? Which areas will be harder to tackle?

The panel discussion will be followed by a Q&A with the audience.

Speakers: speakers will include policymakers, corporates and representatives from the We Mean Business Coalition.

H 13.00 – 15.00

Tackling the climate emergency through nature-based solution: the role urban/periurban forests, restoration and REDD+

Organizer: Food and Agriculture organization of the United nations - Ms Serena Fortuna

The side event will focus on increasing the knowledge and political attention to nature-based solutions in the fight against climate change, with co-benefits on local livelihood and economies. The discussions and panels will focus on the role of **forests and trees as a climate drawdown strategy**, the key efforts of **reducing further carbon emissions to the atmosphere**, such as the REDD+1 process, and the role of urban and peri-urban forests. The Paris Agreement, the Bonn Challenge, the recently launched Great Green Wall for Cities and the upcoming UN Decade on Restoration will be key framework for the discussion.

Agenda

Opening remarks, setting the scene and introduction of the panel.

- Tiina Vahanen, Chief of Forestry Policy and Resources Division. FAO (will continue as moderator of the event)

The Great Green Wall for Cities initiative and its contributions to climate change mitigation and adaptation.

- Dan Lambe, Arbor Day Foundation (tbc)

Building climate resilience through urban forestry and preventive fire program at the urban interface: the example of Chile.

- José Antonio Prado, Chief of CC and environmental services unit, National Corporation of Forest (CONAF), Chile

Facilitated panel discussion & interaction (first part): the contribution of urban and peri-urban forestry in mitigation and adaptation.

Carbon rich ecosystems as a “low hanging fruit” climate drawdown strategy: REDD+ and mangroves restoration in Myanmar.

- Inkyin Khaine (Mrs), Assistant Director, Forest Research Institute, Minister of Natural Resources and Environmental Conservation, Myanmar (tbc)

The role of Mediterranean forests and restoration in achieving the Paris Agreement.

- Chadi Mohanna, Chair of the Committee on Mediterranean Forestry

Facilitated panel discussion & interaction (second part): Forest and land based Climate actions, contributing to the achievement of Paris Agreement.

Round-up and closure

H 15.30 – 17.30

International Aviation and Climate Change

Organizer: International Civil Aviation Organization (ICAO) – Mr Lorenzo Gavilli

The international aviation sector has agreed on climate change aspirational goals of 2% annual fuel efficiency improvement, and carbon neutral growth from 2020 onwards. To ensure the achievement of these goals, concrete actions on a basket of CO₂ mitigation measures were adopted and operationalized by ICAO and its Member States, including technological innovations, operational improvements, sustainable aviation fuels and the Carbon Offsetting and Reduction Scheme for International Aviation (CORSIA) – the first global market-based measure scheme for any industry sector.

The side event will showcase how ICAO is moving forward with the concrete implementation of its measures to reduce CO₂ emissions from international aviation in the short and long term. It will also address the strategy put in place by ICAO for training and capacity building to ensure that No Country is Left Behind. State, industry, and civil society representatives will provide their perspectives on how they are implementing the ICAO Strategy. The side event will also present concrete initiatives on climate change implemented by ICAO, its Member States, and other stakeholders such as solar-at-gate electrification projects, sustainable aviation fuels feasibility studies, green airports, and training & capacity building on CORSIA implementation.

Agenda

- Jane Hupe, Envoy of the ICAO Secretary General to COP25 - *Recent developments and future actions by ICAO and its Member States in addressing emissions from international aviation.*
- Paul Watkinson, UNFCCC SBSTA Chair - *Updates from the SBSTA discussions related to international aviation.*
- Benedict Chia, Vice-Chairperson, ICAO Technical Advisory Body (TAB) - *CORSIA eligible units and TAB process.*

- Winstone Gicheru, National Coordinator, Aviation GHG Emissions Reduction Activities, Kenya Civil Aviation Authority - *Kenya's experience in developing its State Action Plan and implementing CORSIA.*
- Michael Gill, Executive Director, Air Transport Action Group (ATAG) - *Industry perspective on aviation CO₂ emissions mitigation actions.*
- Riona Armesmith, Chief Project Engineer, Hybrid Electric Propulsion Systems, Rolls Royce - *Rolls Royce/Airbus joint initiative to successfully electrify a regional jet and perform a maiden flight by 2021.*
- Mikko Viinikainen, Vice President, Sustainability & Environment, Finavia - *Successful experience in achieving carbon neutrality for 21 Finavia airports in 2019, and goal of net zero CO₂ emissions without offsetting by 2030.*
- Brad Schallert, World Wildlife Fund Director, on behalf of the International Coalition for Sustainable Aviation (ICSA) - *NGOs perspectives on aviation CO₂ emissions mitigation actions.*

Questions and Answers.

H 18.00 – 20.00

We are Action – Youth driving the Climate Education Agenda

Organizers: *Italian Ministry for the Environment Land and Sea, Connect4Climate*

Theme: Climate education is key to achieving the goals of the Paris Agreement and moving towards a sustainable future. Young people are not only a target audience for climate education programs but also actively driving this agenda. The year 2020 will see the renewal of the Action for Climate Empowerment (ACE) program and as hosts of next year's Pre-COP, Italy is working to not only amplify young people's calls for ambition but bring their contributions to the negotiating table. Now is the time for youth leaders and governments to work together on building a post-2020 ACE agenda that creates the world we want to see.

Format: The event will take place at the COP25's Italian Pavilion and is intended to provide an opportunity to discuss how youth are driving climate action and how to bring their voices and urgent calls into the decision-making and institutional processes, particularly in light of the adoption of the new ACE plan and in the lead-up to the pre-COP26 that Italy will host in 2020. The run of show will be divided in two segments: first, a high-profile conversation between Italy's Environment Minister Sergio Costa and Education Minister Lorenzo Fioramonti, moderated by UNFCCC's Manager of Global Climate Action Niclas Svenningsen. This will be followed by a panel discussion with youth leaders moderated by young Canadian activist and award-winning filmmaker Slater Jewell-Kemker, director of the feature documentary "Youth Unstoppable" about the rise of the global youth climate movement.

TIME	ACTIVITY	WHO REQUIRED
17.45	Speakers arrive for briefing	
17.50	Set-up finalised: Stage with 3 chairs and microphones Photographer / Videographer ready Check-in desk manned	
18.00	Event starts	
18.05	Program start time: Intro: Moderator introduces the theme of the event by presenting the outcomes of the “high-level event on Action for Climate Empowerment” that happened earlier in the day. Introduces Minister Costa	Moderator: Niclas Svenningsen, UNFCCC Moderator invites speakers to take their seats
18.15	Minister Costa Pre-COP plans; new ACE plan to be adopted in 2020. How Italy is listening to the voice of youth and wants to not only amplify their call for ambition but to also bring their contributions to the negotiating table and integrate their ideas in the institutional process. (10 mins)	Minister Costa Minister Fioramonti Moderator Niclas Svenningsen Minister Costa introduces “COP 21 Naples video” (2 mins) https://vimeo.com/377600097 password: cop21
18.25	Minister Fioramonti How Italy is leading the world in terms of climate education. (7 mins)	Minister Costa Minister Fioramonti Moderator Niclas Svenningsen
18.32	Niclas Svenningsen – conclusion 2020 as a year of action; New ACE plan. (7 mins)	Minister Costa Minister Fioramonti Moderator Niclas Svenningsen
18.39	Niclas Svenningsen wraps up the segment Conclusions; thanks speakers, introduces second segment. (2 mins)	Minister Costa Minister Fioramonti Moderator Niclas Svenningsen
18.41	Speakers leave the stage; 2 additional chairs are added. (3 mins)	
18.44	SECOND SEGMENT - YOUTH Moderator Slater Jewell-Kemker takes the stage, introduces herself and her experience over 10 years filming the coming together of the youth climate movement in her documentary youth unstoppable, introduces screening of Youth Unstoppable movie trailer. (9 mins)	Moderator: Slater Jewell-Kemker Youth Unstoppable movie trailer. (2.5 mins)
18.53	Slater invites the youth panelists to take their seats on stage; introduces them by name. (3 mins)	Panelists walk on stage and take their seats. Benjamin Carvajal, COY15 Coordinator (Chile) Magdalena Munoz, COY15 Coordinator (Chile) Mr. Rennie Gadubu, Minister of Climate

		Change for the Republic of Nauru TBD Greta Thunberg TBC (pending, based on availability)
18.56	Panel discussion with: COY 15 Coordinators Mr. Rennier Gadubu, Minister of Climate Change for the Republic of Nauru TBD Greta Thunberg TBC (pending, based on availability) COY representatives present outcomes from COY15 in Spain and in Chile and what they'd like to see from the renewed ACE agenda to be adopted at COP26. Mr. Rennier Gadubu, Minister of Climate Change for the Republic of Nauru discusses Nauru's climate education plans and what perspective young ministers and MPs can bring to the table. TBD Greta Thunberg: representing the Fridays for Future movement to give their vision for what a successful post-2020 ACE agenda would look like and why leaders must create climate education plans at a national level. (54 mins)	COY 15 Coordinators Mr. Rennier Gadubu, Minister of Climate Change for the Republic of Nauru TBD Greta Thunberg TBC (pending, based on availability)
19.50	Moderator wraps up; thank the speakers	COY 15 Coordinators Mr. Rennier Gadubu, Minister of Climate Change for the Republic of Nauru TBD Greta Thunberg TBC (pending, based on availability) Moderator introduces YOUTH VIDEO (1.5 mins) https://vimeo.com/377448752
20.00	Event ends	

H 13.00 – 15.00

Brands and sustainability: why companies should be proactive in climate change

Organizer: *University of Bocconi – Prof Francesco Bertolini*

The event wants to explore some of the most interesting projects carried out by brands all over the world and how this new pool of companies want to develop, joining their efforts, bigger projects in some critical areas of the world.

The event represents an opportunity to understand better the attitude of some big business about the Agenda 2030, in order to develop a network between some of the major stakeholders to increase the effectiveness of restoration projects in degraded areas in Africa, Asia and Latin America.

The idea of this group of companies (Italian based companies at the moment, but the group has an international approach) is aimed to create synergies between companies in different industries, to get the best results for all the stakeholders involved in these projects and for the environment.

Agenda

- The role of business in conservation and restoration projects
- Some examples in different areas of the world
- The idea of brands4sustainability
- The founders and their commitment towards 2030

H 15.30 – 17.30

High Level Event: CDP Italy report: a dive into the cases of climate leadership and trends by Italian business and local governments

Organizers: *CDP – Ms Mirjam Worlfum and Italian Ministry for the Environment Land and Sea*

Description: Since 2017, the Italian Ministry for the Environment, Land and Sea and CDP have been collaborating to encourage transparency and voluntary environmental data disclosure by non-party stakeholders from the public and private sector in Italy, in order to drive action towards the achievement of the goals of the Paris Agreement and a sustainable and just economy, in line with the principles of the Marrakesh Partnership for Global Climate Action and the Sustainable Development Goals (SDGs). Two years after the signature of the Memorandum of Understanding between the two organizations, CDP is honoured to launch and present to the Ministry and the public at COP25 in Madrid a new report showing how Italy's largest, most environmentally-impactful companies, cities, states and regions are responding to the challenges of climate change, water insecurity and deforestation. Building on the premises and success of the first Italy Report 2017, launched in 2018 at UNFCCC event with the Italian Environmental Ministry in La Spezia, CDP will present new analysis and trends. The side event is also intended to give stage to relevant Italian businesses, investors, local and regional governments within the CDP network to present on their leading action and on the importance of data disclosure and transparency to an effective measurement and management of climate risks and opportunities.

Agenda

15.30 **Introductory remarks and keynotes**

Sergio Costa, Minister, Italian Ministry for the Environment, Land and Sea
Elina Bardram, Head of the International Unit of DG CLIMA, European Commission
Mirjam Wolfrum, Director Policy Engagement, CDP Europe

16.00 **Presentation of CDP Italy Report**

Elena Eugenia Beuchod, Engagement Officer Italy, CDP

16.30 **Stakeholders' panel on climate action and disclosure**

Aldo Bonati, Corporate Engagement and Networks Manager, Etica Sgr
Nicola Campitelli, Minister for Energy, Urban Planning and Territory, Maritime Domain, Landscapes and Waste, Abruzzo Region
Raffaele Cattaneo, Minister for Environment and Climate, Lombardy Region
Andrea Illy, Chairman, illycaffè S.p.A.
Federico Mensio, President of Environment Commission, Municipality of Turin

Moderated by Mirjam Wolfrum, Director Policy Engagement, CDP Europe

17:30 End of event

H 18.00 – 20.00

Report IRP – Resource Efficiency and Climate Change

Organizer: International Resource Panel

The International Resource Panel (IRP) is the leading global scientific Panel working on the sustainable management of natural resources. It consists of eminent scientists, highly skilled in resource management issues. Their reports distil the latest scientific, technical and socio-economic findings around global resource use. They provide information to policymakers, industry and the community on ways to improve global and local resource management. A group of governments from developed and developing regions, civil society, industrial and international organizations provide strategic direction to ensure relevance and impact of the Panel's research.

The IRP recently launched the first Global Resources Outlook with interesting evidence on the links between natural resources, climate and biodiversity. For instance, IRP scientists found that resource extraction and processing is responsible for 90% of biodiversity loss and water stress; and approximately half of climate change impacts.

The Group of 7 recently requested the Panel to *“further assess the potential GHG reductions of resource efficiency policies with the aim of pursuing co-benefits by identifying the most promising resource efficient measures in regard to their GHG abatement potential”*.

Based on this request, the IRP prepared a scientific study entitled *“Resource Efficiency and Climate Change: Material Efficiency Strategies for a Low-Carbon Future”*. This study estimates the contribution of material efficiency to GHG abatement strategies in the vehicles and residential housing sectors. These strategies

could help countries reach the commitments foreseen in the Paris agreement. The report includes a series of scenarios showcasing opportunities for improved material efficiency in the G7, China and India.

After a two-year preparation process and a thorough scientific external review, the IRP will be presenting the summary for policymakers of this major report at the 25th session of the Conference of the Parties to the United Nations Framework Convention on Climate Change.

Objective

The Objective of this event will be to launch the Summary for Policymakers of the IRP report “Resource Efficiency and Climate Change: Material Efficiency Strategies for a Low-Carbon Future”. Results from this assessment will help raise awareness about the critical role of material efficiency strategies in climate mitigation plans and Nationally Determined Contributions (NDCs). This will be the first time that these connections are scientifically drawn at the global level.

Agenda

Session	Speakers
1 Natural Resources Matter: Introduction to the work of the International Resource Panel	Izabella Teixeira and Janez Potočnik Co-Chairs of the International Resource Panel
2 Resource Efficiency and Climate Change: Key Messages	Edgar Hertwich Lead author and member of the International Resource Panel
3 Resource Efficiency Strategies for Climate: A G7 perspective	Minister Sergio Costa Ministry of Environment, Land & Sea of Italy
4 Resource Efficiency and Climate Change: A new dimension to the NDCs	Carolina Schmidt, Minister, Ministry of Environment of Chile (tbc) and/or Teresa Ribera, Minister of Environment of Spain (tcb)
5 Moderated Panel Discussion	All above mentioned speakers to respond to questions from IRP Co-Chair
6 Questions and Answers	Open questions from the floor facilitated by IRP Co-Chairs
7 Closing remarks	Élisabeth Borne, Minister of Ecologic & Inclusive Transition of France (tbc) and/or Teresa Ribera, Minister of Environment of Spain (tbc)

H 10.30 – 12.30

Environmental global challenges as seen from Africa. Italian environmental cooperation on display

Organizer: Italian Agency for Development Cooperation

Italian Agency for Development Cooperation: focus on link between human mobility and climate change

The Italian Agency for Development Cooperation contributes with relevant projects to tackle climate change in terms of strengthening community resilience, mitigation and adaptation actions. One of the consequence of Global Environmental Change (GEC) is the increased necessity for people to leave their places of origin, not for a voluntary choice but caused by external factors triggered by climate change.

The phenomenon of “environmental exodus” leads to forced human mobility, both within the borders of the State of nationality (internally displaced persons) and beyond the national territory (environmental refugees). Climate and environmental changes, combined with other socio-economic factors, can exacerbate conditions of poverty and social marginality. Indeed, some environmental contexts have structural characteristics (physical and biogeochemical) that act as uprooting factors of the native populations, related to which the phenomenon of human mobility becomes a primary adaptation strategy.

According to the recent report of the International Federation of Red Cross Societies, 150 million people will need humanitarian aid due to the effects of climate change over the next 10 years, while according to the estimates made by the World Bank and the International Organization for Migration (IOM), more than 140 million people will be on the move because of them.

Italian Ministry for the Environment, Land and Sea: focus on link between the three Rio Conventions

The environmental cooperation of the MATTM, now extended to over 50 countries on all continents, tries to integrate the objectives of protecting biodiversity and combating climate change and desertification in the framework of global sustainability promoted by the 2030 Agenda. In particular the Ministry gives its contribution in the Sahel region and in Africa in general.

Agenda

- Ibrahim Thiaw - UNCCD Executive Secretary (TBC)
 - Short film from Interdependence anthology
 - Luca Maestriperi – Director, Italian Agency for Development Cooperation
 - Oliviero Montanaro – Director General, Italian Ministry for the Environment, Land and Sea
- Q&A

H 13.00 – 15.00

Action in Africa - Innovative Ways to Create Resilient Livelihoods

Organizers: Italian Ministry for the Environment Land and Sea, Connect4Climate

African countries are leading the way with innovative climate-smart agriculture and sustainable resource management practices. From a cutting-edge project in Ethiopia that links nature-based solutions to climate finance mechanisms to young people leading grassroots projects across Africa to the ambitious Great Green Wall initiative, Africa is creating climate resilient economies that help people.

Agenda

Moderator: TBD Ferzina Banaji, World Bank Group

- H.E. Sergio Costa, Italian Minister for the Environment, Land and Sea
- TBD Youth4Nature Marina Melanidis
- Oromia Forested Landscape Program (Reps from Ethiopia Dr. Girma Amante and/or Prof. Fekadu Beyene).
- Ibrahim Thiaw, UNCCD Executive Secretary
- Ethiopian government.
- Video: Great Green Wall

H 15.30 – 17.30

Climate Change : sustainable use of the resources

Organizer: University “Politecnico di Torino” – Mr Alberto Godio

Politecnico di Torino will present the contribution of the Climate Change Department to improve the knowledge in the field of analysis and mitigation actions to climate change on the territory at national and international level, with particular reference to (i) innovation strategies for climate change monitoring and analysis, (ii) climate change mitigation through a deep analysis of negative technologies and the entire cycle of resources and materials, from their extraction to their use, with consequent emissions or re-emissions in the environment and (iii) technological and planning solutions for adaptation to climate change.

The speakers will also present projects and initiatives of Politecnico di Torino in the frame of adaptation and mitigation of the climate change effects: the REMIND project with partners in Chile and Ecuador to implement a rational use of water resources in the logic of circular economy; promote a carbon-free technological approach (water-energy nexus) for reducing conventional energy resources requirements; the project on the Microalgae for carbon dioxide biofixation focuses on a new-generation photobioreactor, to maximizing the energy efficiency and biomass production and finally the research activities on the application of leading edge and multi-disciplinary approach to investigate and monitor reservoir for geothermal energy production.

Agenda

- The Climate Change Department of Politecnico di Torino – Speaker: Alberto Godio
- The Remind Project: rational uses of water and energy in mining – Speaker: Mariachiara Zanetti
- The Microalgae for carbon dioxide biofixation – Speaker: Vincenzo Riggio
- Prospection and investigation for Geothermal energy – Speaker: Alberto Godio

H 18.00 – 20.00

Connecting scientific knowledge to implement the Paris Agreement: The value of trust in international research cooperation

Organizers: JPI Climate & Foundation, Euro-Mediterranean, Centre on Climate Change (CMCC)

The event offers an opportunity for open dialogue with our European and international partners on the value of European climate research. Reliable data, scientifically valid scenarios, climate services that take into account the most advanced scientific knowledge are essential for the adoption of effective policies and that allow to adequately respond to international commitments such as the Paris Agreement on Climate.

JPI Climate is a joint programming initiative to which 18 European countries adhere. Platform for the exchange and cooperation of scientific knowledge on Climate, JPI Climate operates in close relationship with the European Commission and is directly involved in various international cooperation projects.

Agenda

Welcome, Sergio Costa, Italian Ministry of Environment, Land and Sea

What is in the JPI Climate pipeline to implement the Paris Agreement against the background of the EU Green Deal?

An introduction to the JPI Climate partnership by Chair Frank McGovern and Member of Executive Committee Antonio Navarra including flashlights on key activities:

- climate services: ERA4CS and AXIS programmes
- international research cooperation strengthened via SINCERE
- investments in climate science: with Belmont Forum and JPI Oceans
- focus on societal transformation since 2013: SOLSTICE

How Europe is addressing the challenge to deliver state-of-the-art knowledge on climate adaptation and low-carbon pathways?

A science-based dialogue to facilitate knowledge co-creation with policy, scientists, NGO's, business and other stakeholders including:

- Antonio Navarra
- Frank McGovern
- Kirsten Dunlop, Climate-KIC tbc
- Raymond Kopp, Resources for the Future
- Nadia Pinardi, University of Bologna, Knowledge Hub on Sea Level Rise
- others

H 10.30 – 12.30

The de-carbonization of the Italian economy: challenge and opportunity

Organizer: Italian Ministry for the Environment, Land and Sea

✓ Background

In order to accelerate the GHGs emissions reduction process in line with the complex objective of a deep de-carbonization by 2050 a crosscutting approach, based on integrated analysis and targets, with a coherent view throughout all the different aspects of environment, energy, economy is highly desirable.

To this end, the Italian Ministry for the Environment, Land and Sea and the Ministry for Economic Development, who are playing a leading joint role in developing the most relevant Italian strategies and documents on climate issues such as the "Integrated National Energy and Climate Plan" and the "Long Term Strategy", in order to ensure an holistic approach have set up an intergovernmental "steering committee" composed by all relevant Administrations involved in the de-carbonization process of the Italian economy.

Furthermore a "Modelling and Scenarios" technical working group composed by public institutes dealing with climate, energy and economic issues such as ISPRA, RSE, ENEA, CMCC, GSE and Polytechnic of Milan, has been established in order to implement strong link among models and tools and elaborate a coordinated Energy, GHGs, and Economy analysis.

✓ Agenda, Partners e Speakers

Organized by: Italian Ministry for the Environment Land and Sea, ISPRA, Ricerca Sistema Energetico (RSE), Centro Euro-Mediterraneo per i Cambiamenti Climatici (CMCC), ENEA, Politecnico di Milano

Moderated by:

- Lola Vallejo - Climate Programme Director, Institute for Sustainable Development and International Relations (IDDRI)
- Annalidia Pansini - Policy Advisor- Sogesid TA/Italian Ministry for the Environment, Land and Sea

Title	Speakers
1 Carbon neutral energy systems: the Italian challenges	Maria Gaeta - Senior Researcher -RSE
2 The reduction of GHGs emissions in 2030 and 2050: the key points	Emanuele Peschi - Senior Researcher - ISPRA
3 Macroeconomic assessment: Methodology and preliminary findings	Ramiro Parrado- Senior Researcher CMCC; Cristina Tomassino- Senior Researcher -ENEA
4 Technical Challenges and opportunities to keep up with the required transition	Mario Motta - Professor - Politecnico di Milano
5 Experiences from Europe	Johannes Eckstein - Senior Researcher- Competence Center Energy Policy and Energy Markets- Fraunhofer Institute for Systems and Innovation Research ISI; Lola Vallejo - Climate Programme Director, Institute for Sustainable Development and International Relations (IDDRI)

Questions and Answers Session

H 15:30- 17:30

Transition to a 1.5 world: accelerating climate action through international urban collaboration

Organizer: ICLEI - Local Governments for Sustainability, Ms. Giorgia Rambelli

As the areas in which most people live and work, cities are increasingly acknowledged as the arena in which solutions to major societal and environmental challenges must be developed and implemented.

Cities are the world's primary hubs of economic and cultural activity, a fact which is causing the rate of urbanisation to increase at a rapid pace. This accelerated demographic change has put many cities under significant strain, with local governments often struggling to meet the higher demand for energy, water, health, education and transport services, as well as with the challenges of climate change.

Local and regional governments can act as a key partner to national governments as they implement the Paris Agreement, the 2030 Agenda for Sustainable Development and the Sustainable Development Goals, the Sendai Framework on Disaster Risk Reduction, as well as the New Urban Agenda and other international commitments: thanks to their direct connection with local needs and challenges they can craft policies and implementation strategies that are highly effective on the ground.

In this panel city representatives from Italian cities, or from cities currently cooperating with Italian local governments (all signatories of the Covenant of Mayors), will discuss how, through knowledge-exchange and cooperation, they are translating their vision to scaling up climate action, from drastically scaling up climate change mitigation to enhancing resilience to climate impacts.

This interactive event is meant to provide cities with an opportunity to share ideas, lessons learned and good practices, explore common challenges and solutions to accelerate implementation of climate action.

It will bring together city representatives from Global Covenant of Mayors cities from around the world, regional, and national policymakers, as well as representatives from international institutions to discuss how to shape effective partnerships for the implementation of climate action and for sustainable development.

Agenda

Moderator: Giorgia Rambelli, Coordinator Sustainable Resources, Climate and Resilience, ICLEI European Secretariat

Welcome: Michele Emiliano, Rapporteur opinion A Clean Planet for all, A European strategic long-term vision for a prosperous, modern, competitive and climate neutral economy, Committee of the Regions

Setting the scene: Steven Bland, UN HABITAT

Panel – Transition to a 1.5 degrees world: accelerating climate and energy action through international urban cooperation (5 min each + 45 minutes discussion)

Speakers share innovative and inspiring examples of local climate and energy action, with a focus on how city-to-city cooperation can support city ambition and implementation of policies and measures. The speakers will briefly introduce their experience through 5 minutes contributions/presentations.

- Silvia La Ferla, City of Milan

- Catarina Freitas, City of Almada, Portugal
- Giovanni Fini, City of Bologna
- Monica Fein, City of Rosario, Argentina
- Boyd D. Joeman, Iskandar, Malaysia

Speakers remain on stage for a moderated discussion, open to the audience.

H18:00-20:00

Food recovery in the central market: solidarity against food waste and circular economy management practices

Organizers: ECO dalle Città, City of Turin

The Repopp Project is the current denomination of the daily activity of ecological and social type that takes place since three years at the Porta Palazzo Street Market, regarded as the biggest market of its kind in Europe.

According to the studies of UNISG (Gastronomic Sciences Institute) of Pollenzo, this activity is important for the circular economy and for the reduction of greenhouse gas emissions; as a matter of fact, it has been estimated that every kilo of food rescued from being wasted equates approximately to 3 kilos of CO2.

Thanks to the activity of the Sentinelle Dei Rifiuti (Waste Sentinels) and of the Ecomori (Eco-moors), every day actions are taken in order to ease and increment waste separation, especially the recovery of unsold fruit and vegetables and its redistribution to people who come in search of free food when end of trade is approaching. Separate collection of waste has increased in three years from 50% to 75% of the total, while recovery and redistribution has already surpassed 80 tons as per mid November 2019.

The easy logistics and the work availability of African refugees make this model reliable, inexpensive and replicable.

Agenda

- Alberto Unia – Councillor of environment
- Simone Mangili – Food Policy adviser, City of Turin
- Paolo Jontof Hutter – President of ECO dalle Città
- Luigi Vendola – Adviser ECO dalle Città
- Giuseppe Tricarico – Adviser ECO dalle Città