



20 June 2019 (10,30-16,30) - Rome, Spazio Europa - Via IV Novembre, 149
Sustainable Civil Society Dialogue for Sustainable Development
Opening ceremony

Possible priorities for EU-Turkey civil society cooperation

**Francesco Ferrante – Vicepresident National Coordination *FREE*
and Vicepresident *Kyoto Club***



FREE – Renewable Energy Sources and Energy efficiency - National Coordination



COORDINAMENTO DELLE RINNOVABILI E DELL'EFFICIENZA 20.000 MW, oltre 3.000 aziende, più di 150.000 persone

SOCI



ADICONSUM

Associazione Difesa Consumatori e Ambiente
promossa dalla CISL



AGROENERGIA



AICARR

Cultura e Tecnica per Energia Uomo e Ambiente



AIEL ASSOCIAZIONE ITALIANA
ENERGIE AGROFORESTALI



ANEST



associazione nazionale energia del vento



ASSIEME
ASSOCIAZIONE ITALIANA ENERGIA MINI EOLICA



ASSISTAL



ASSOEBIOS
Associazione Operatori Elettrici
da Biogas e Solare



ASSOIDROELETTRICA



**ASSOCIAZIONE
TECNICI
ENERGIE RINNOVABILI**



CEI CIVES
Commissione Italiana Veicoli Elettrici Stradali
a Batteria, Ibridi e a Celle a combustibile



CIB
CONSORZIO ITALIANO
BIOGAS



**ELETTRICITÀ
FUTURA**
imprese elettriche italiane



FE
federesco



FederIdroelettrica
Federazione Produttori Idroelettrici



**GREEN BUILDING COUNCIL
ITALIA**



GIGA
gruppo interattivo
per la gestione e l'uso



ISES ITALIA



ITABIA
Italian Biomass Association



ITALCOGEN



ASSOCIAZIONE ITALIANA DEI COSTRUTTORI E DISTRIBUTORI
DI IMPIANTI DI COGENERAZIONE



**ITALIA
solare**



Kyoto Club
IL FOTOVOLTAICO È DI TUTTI



**DISTRETTO PRODUTTIVO PUGLIESE
LA NUOVA ENERGIA**



LEGAMBIENTE



**MOVIMENTO
DIFESA
del Cittadino**



Ordine degli Ingegneri
della Provincia di Roma

ADERENTI



INIS
ALLE ENERGIE RINNOVABILI
AL NUCLEARE



**CHIMICA
VERDE
bi.net**



CENTRO DI RICERCA
INTERDIPARTIMENTALE TERRITORIO
EDUZIONI RESTAURO AMBIENTE CITTÀ



**SAPIENZA
UNIVERSITÀ DI ROMA**



**CSI
permonte**



UNIVERSITÀ
DEGLI STUDI
DI PALERMO



FIRE
FEDERAZIONE ITALIANA
PER L'USO RAZIONALE DELL'ENERGIA



ie
Istituto di ricerca
per il risparmio energetico



**Movimento per lo Sviluppo
delle energie alternative**



**POLITECNICO
DI MILANO**



RE-CORD



**Sotto il Manto
Solare**



WWF



LITER OF LIGHT
EDUCATIONAL

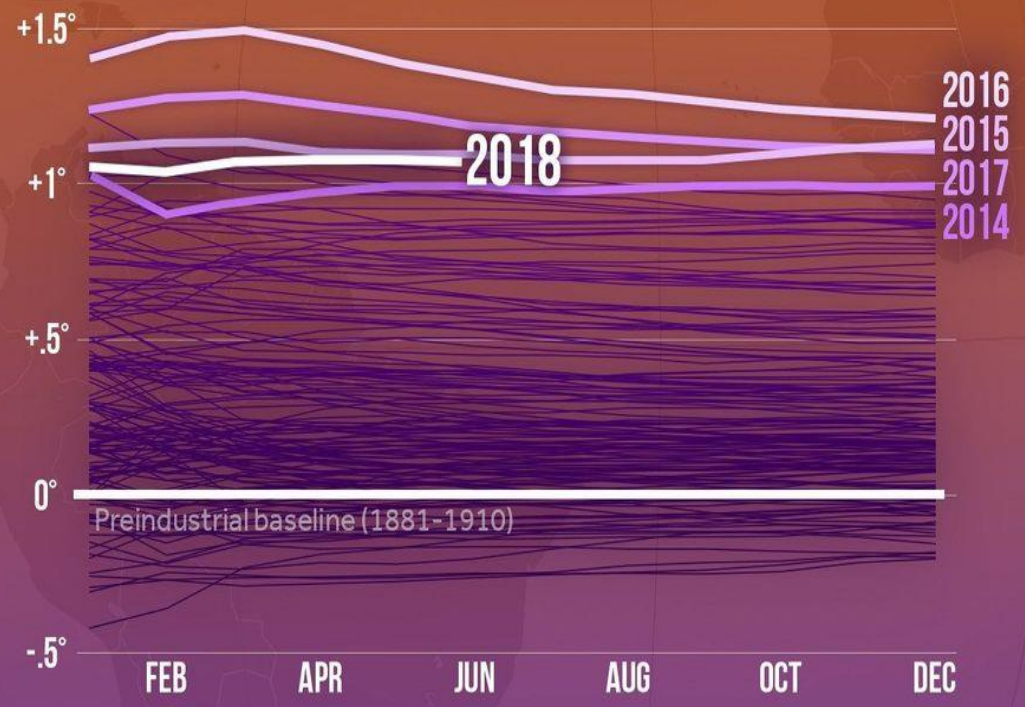


Global warming is running fast



HOTTEST YEARS

Global Year-to-Date Anomalies (°C) Since 1880



Source: NASA GISS & NOAA NCEI global temperature anomalies averaged and adjusted to early industrial baseline (1881-1910). Data as of 7/18/2018

CLIMATE CENTRAL





The difference between a world with global mean temperatures + 2°C and + 4° C

Source:

Lučka Kajfež Bogataj — 2007 IPCC Nobel Peace prize winner - Ljubljana University

+2°

PROBLEMATIC

- 1 - 2 billion additional people with water stress
- Impacts on cereal productivity
- Increased coastal flooding and storms
- Greater depth of seasonal permafrost thaw

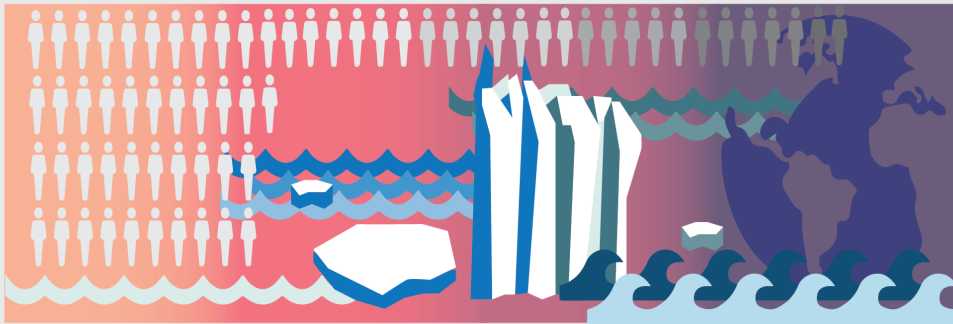
+4°

DISASTROUS

- Up to 3.2 billion additional people with water stress
- Risk of major extinctions around the globe
- Substantial global impact on major crops
- Long-term prospect of sea level rise
- There is no certainty that adaptation to a 4 C world is possible



IMPACTS ON SEA LEVEL RISE...



1.5°C

2.0°C

3.0°C

4.0°C

Rising sea levels displace 46 million people; Sea level rise of 48cm

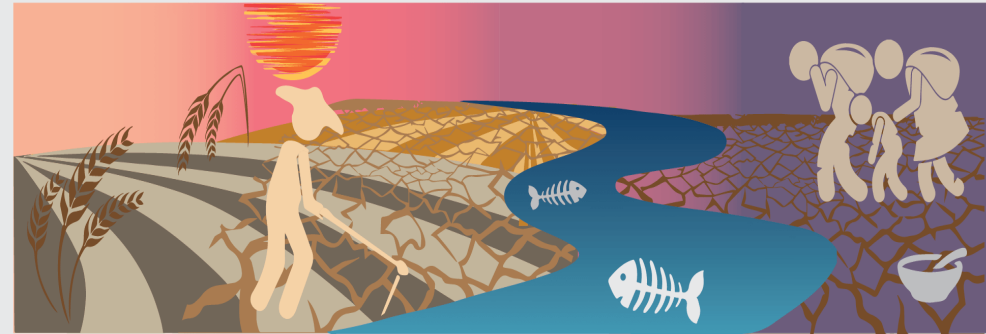
Fewer opportunities for infrastructure adaptation; Sea level rise of 56cm

Near-complete melting of the Greenland ice sheet; Sea level rise of 7+ meters

470-760 million people at risk; Sea level rise of nearly 9 meters



IMPACTS ON FOOD AT...



1.5°C

2.0°C

3.0°C

4.0°C

Wheat, rice, maize and soybean production suffers

Agricultural yields fall rapidly

Fish species go extinct locally

High levels of food insecurity, development path reversed

IMPACTS ON WATER AT...



1.5°C

2.0°C

3.0°C

4.0°C

Water shortages in the Mediterranean, Australia, Brazil and Asia

8% of the global population faces severe water shortages

Almost half of Himalayan high mountain glaciers lost

More frequent and severe extreme droughts



To limit global warming to....



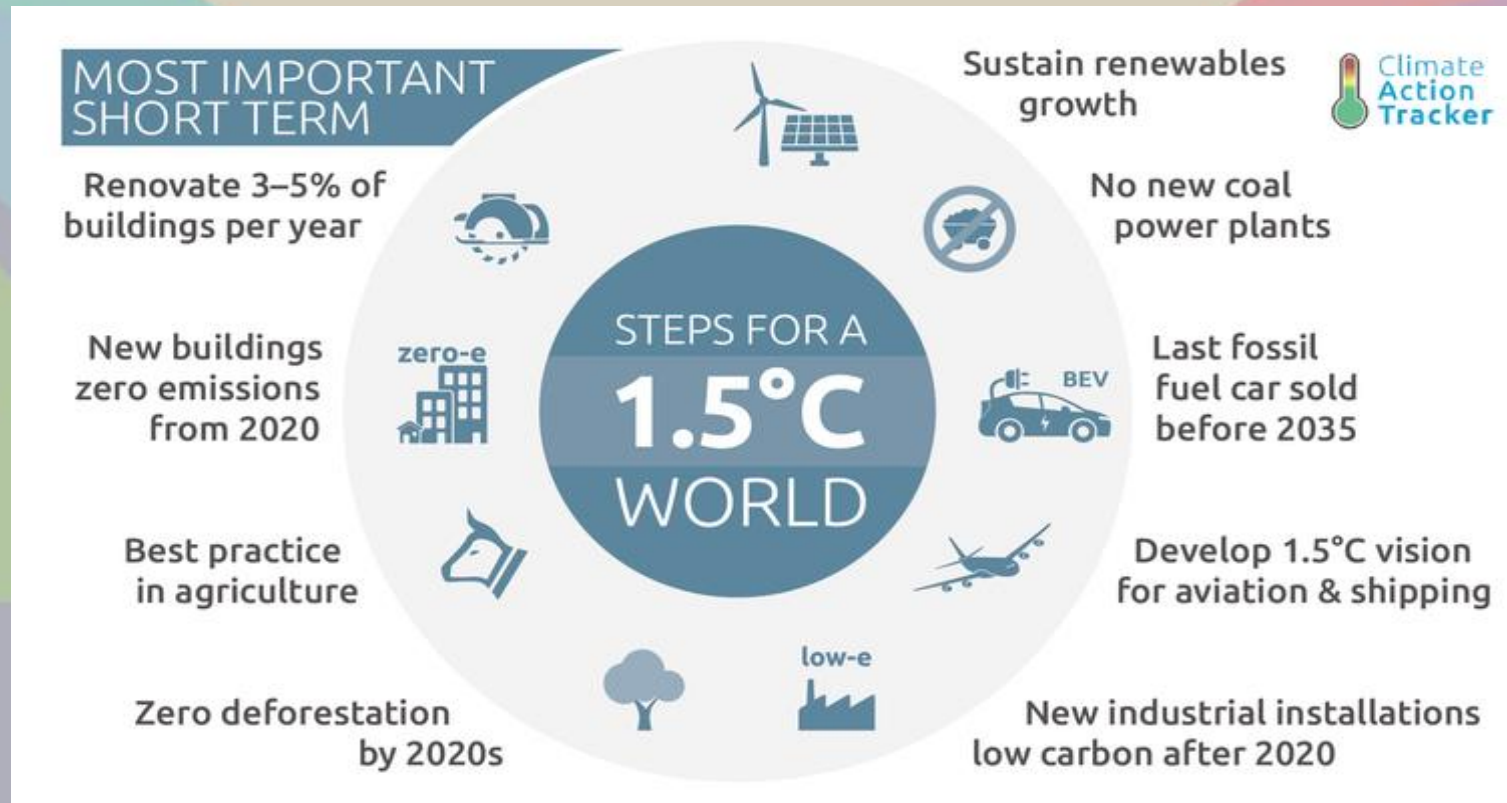
+ 1.5°C

global net anthropogenic CO₂ emissions must decline by about **45%** (40-60%) from 2010 levels by **2030**, reaching net zero by **2050** (2045–2055)

+ 2°C

CO₂ emissions should decline by about **20%** (10-30%) by 2030 and reach net zero around **2075** (2065–2080)

To keep the global mean temperature increase within +1.5 °C The most urgent actions in the next 5-10 years





Possible priorities for EU-Turkey civil society cooperation

To achieve a *climate neutral EU by 2050*, energy efficiency is the first and most important area for increased investment.

Energy efficiency must be the cornerstone of an energy system facing profound changes, through digitalisation, the steady increase of renewable energy, distributed generation, citizens' engagement (the creation of *prosumers*), and electrification.

All recent and relevant studies in this area point in the same direction: energy efficiency is vital to achieving *Paris Agreement* objectives. According to the *International Energy Agency*, 76% of emission reductions in Europe will have to come from energy efficiency improvements. Energy efficiency across all sectors makes the move to a new energy landscape affordable and achievable.

- Improving energy efficiency makes it easier to increase the share of renewables in the final energy mix, and vice versa.
- Increasing the efficiency of energy systems, buildings, appliances and vehicles reduces overall energy system costs and energy bills for consumers and companies.
- Investing in energy efficiency reduces energy demand and therefore energy imports, improving our energy security.
- Energy efficiency makes good business sense: every €1 invested in energy efficiency saves €3 over the lifespan of a technology.

**ENERGY
EFFICIENCY
FIRST!**





Advocate for as high 2030 targets as possible in the EU and in Turkey

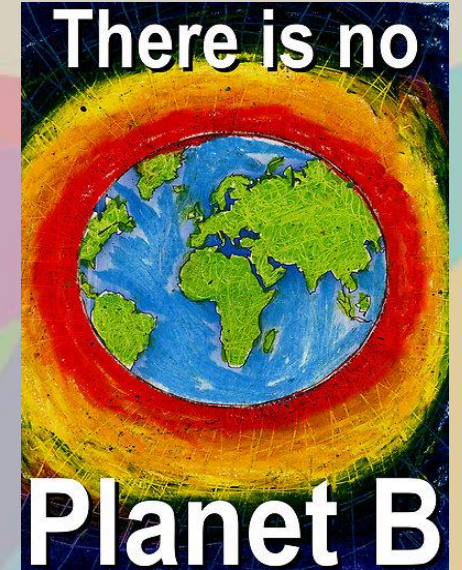




Raise awareness and mobilize with public events, initiatives and demonstrations

SAVE THE DATE
15 MARCH 2019
**GLOBAL SCHOOL STRIKE
FOR CLIMATE ACTION**
AUST SIGN-UP: SCHOOLSTRIKE4CLIMATE.COM
All day. Everywhere!
Adults invited to walk out with us.

**GLOBAL
CLIMATE
MARCH**
**ROMA
2015**
**29
NOV**





Thank you very much for your attention !

francescoferrante61@gmail.com

