



INTPA-NEAR Environment & Climate Week

27-31 March 2023
Brussels, Belgium



Supporting the Global Energy Transition

Areas of Intervention

Ingrid Cailhol – DG INTPA F1

Global Energy Transition

Energy related GHG emissions, electricity generation and transport, account for around **70% of total emissions**.

EU external energy engagement in a changing world: diversifying energy supply, preparing for renewable hydrogen trade, deploying renewable energy, promoting energy efficiency, supporting partners impacted by the war, cooperating on research and technology, ensuring access to critical raw material, laying the foundations of a new global energy order



Global Energy Transition

To meet the 1.5°C scenario, **installed capacity of renewables will have to more than triple by 2030**, and we are already supporting many partner countries in scaling up renewable energy production and meeting the NDCs.

Global Gateway: scale up high-quality, sustainable investments, also by promoting an enabling environment that allows for such investments to happen.



Just Energy Transition

Jelena Milos – DG NEAR D5

Just Energy Transition

Coal is the single biggest source of:

- ⚡ CO2 emissions from energy
- ⚡ Electricity generation worldwide

The transition is triggering structural change with significant employment and other socio-economic impacts on communities in coal-producing regions and regions with carbon-intensive industries.

Ensure a fair and 'just' transition that leaves no person or region behind: Restructure and diversify the economy, maintain social cohesion, and (re)train the affected workers and youth to prepare them for future jobs.

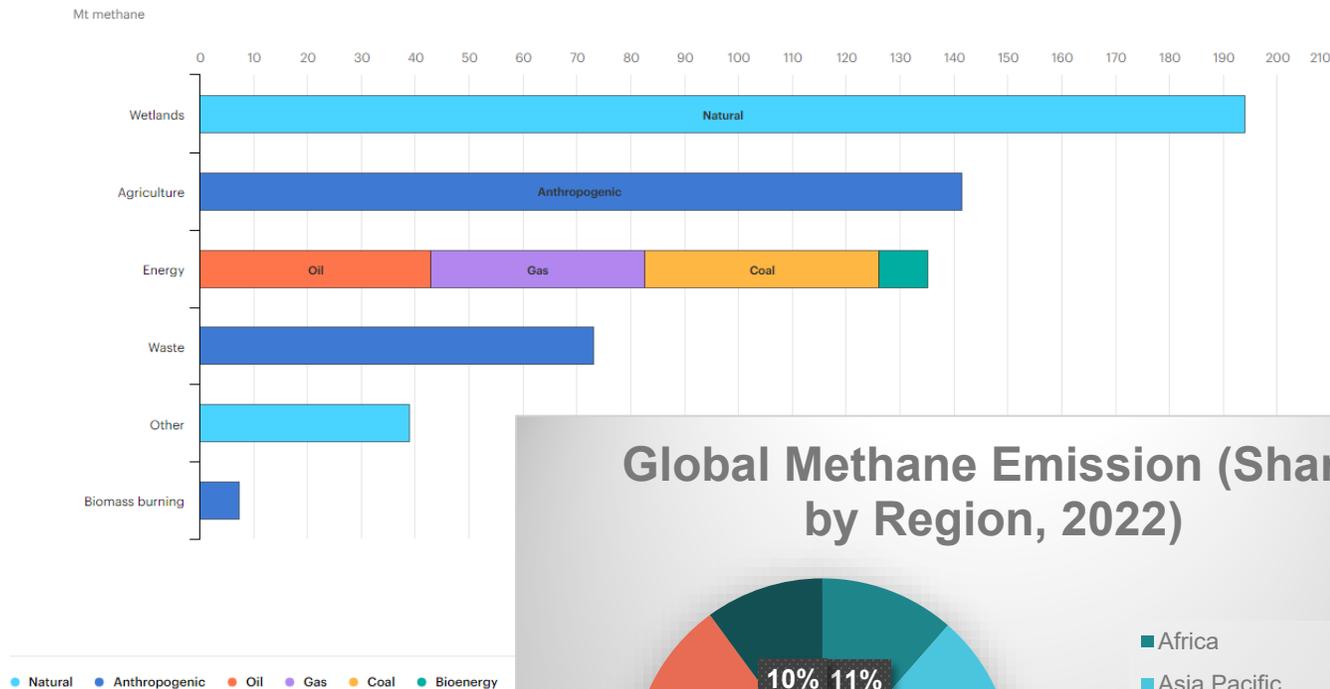


Global Methane Pledge

Vera Kellen – DG INTPA F1

Importance of Methane emissions reduction for the 1.5°C scenario

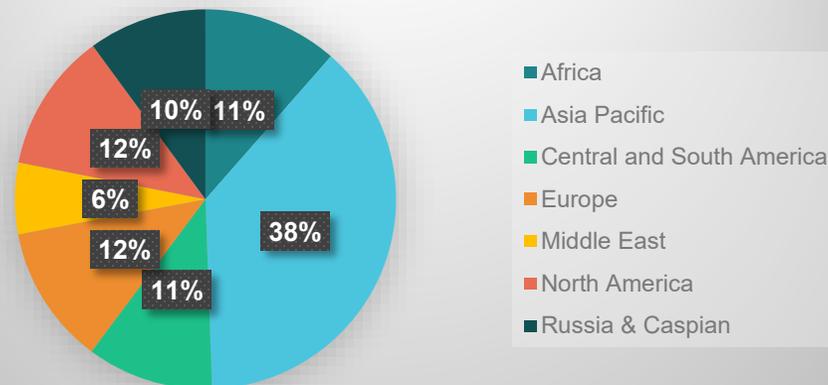
Sources of Methane emission, 2021



Open ↗

- Approx. 60% of global methane emissions are anthropogenic
- 45% of anthropogenic methane emissions are in the energy sector.
- Over 40% of methane emission from the oil and gas sector can be abated at **zero net cost**.

Global Methane Emission (Share by Region, 2022)



Global Methane Pledge

- Launched at COP26 in Glasgow (EU&USA initiative)
- To date 150 countries joined the voluntary pledge to reduce methane emissions by 30% by 2030
- 3 pathways: energy, waste, agriculture

EU support (financial and other) since the COP26

- Methane emission reduction actions in bilateral and global programmes
- Support the establishment of the International Methane Emission Observatory (IMEO) to close the knowledge gap in accurate emissions measurement
- Support the work of the Climate Clean Air Coalition under the Global Methane Pledge





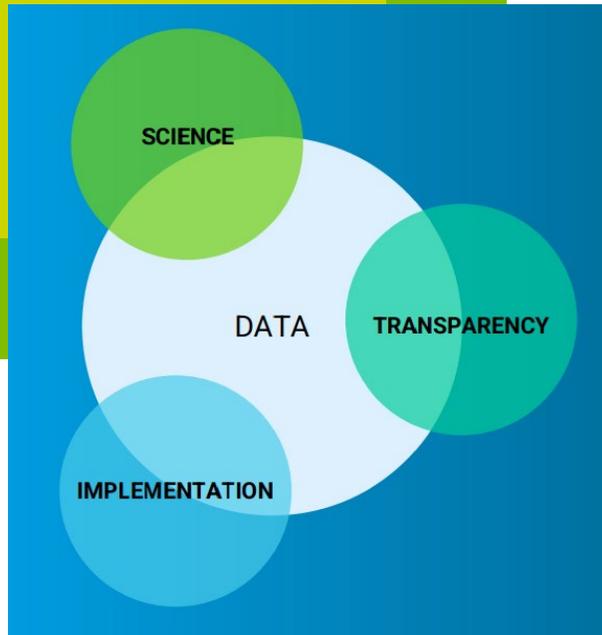
International Methane Emission Observatory (IMEO)

The solution for missing data.

The International Methane Emission Observatory exists to provide

- Open
- Reliable
- Actionable

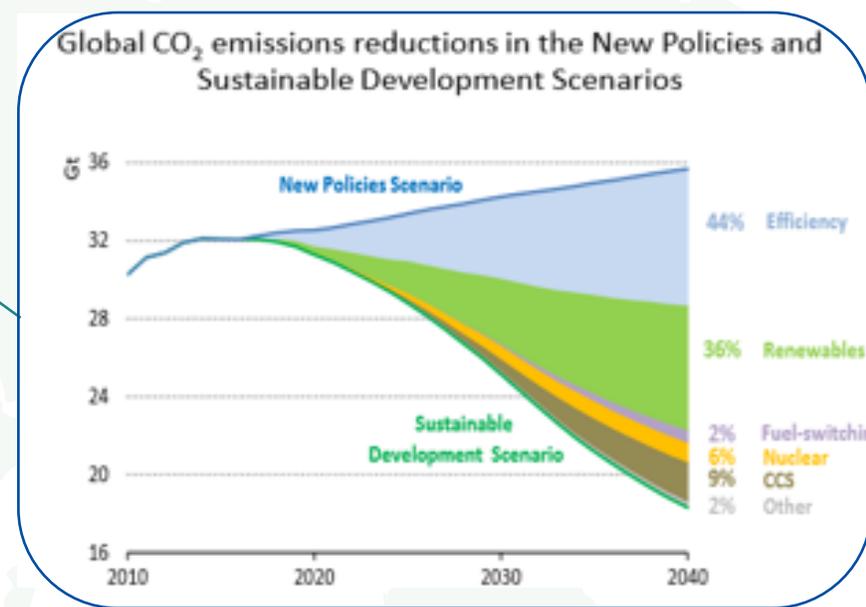
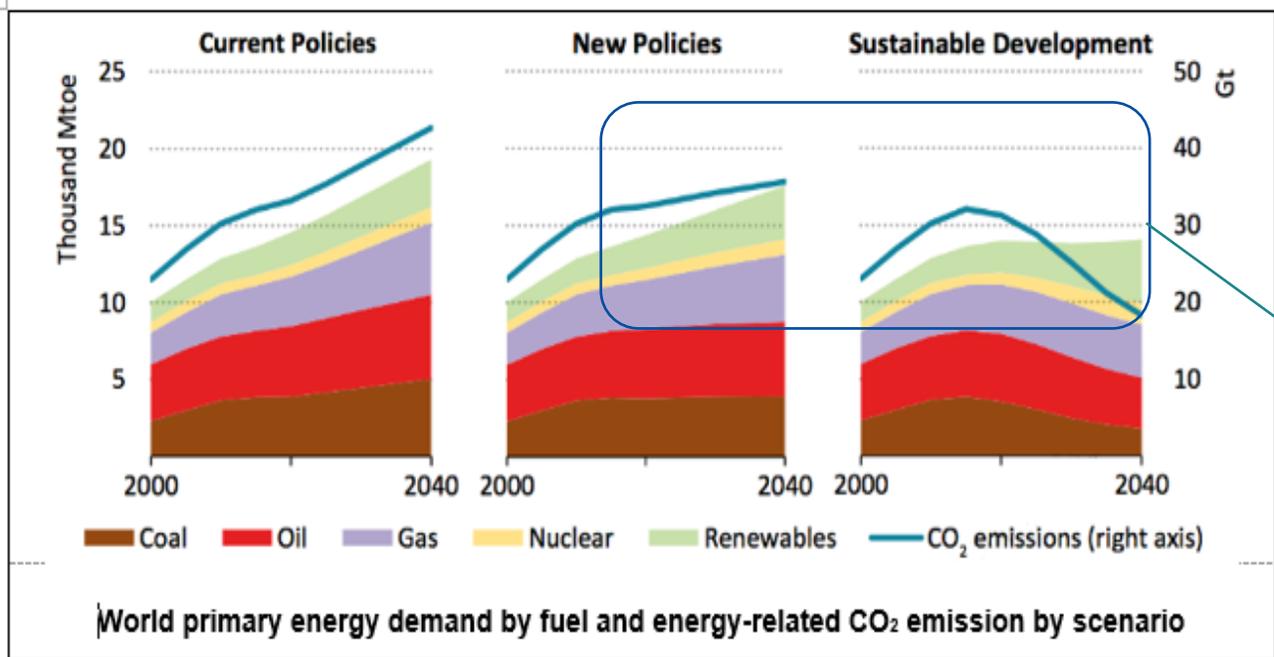
data to the individuals that can act to reduce methane emissions



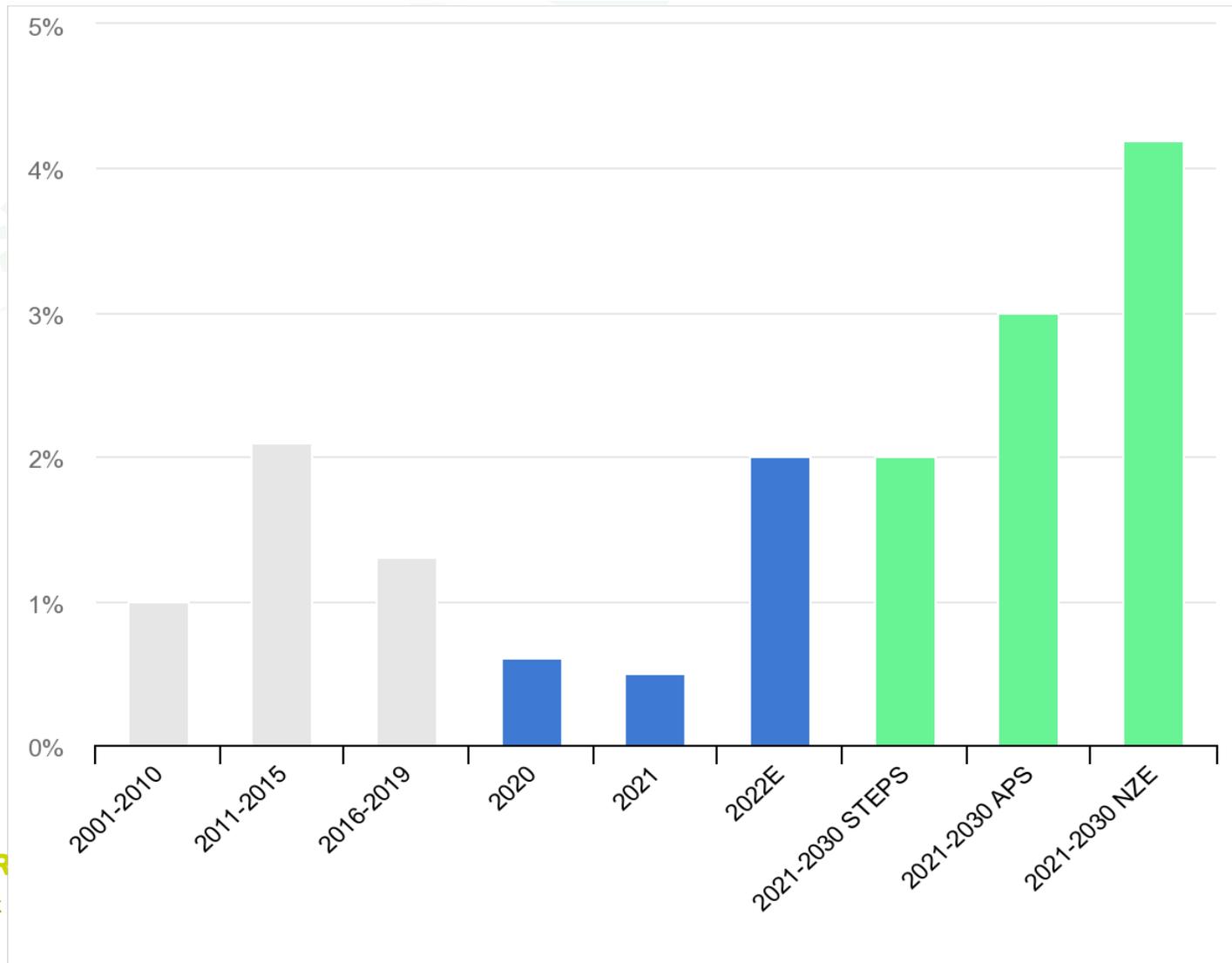
Energy Efficiency

Nicolas Ritzenthaler – DG INTPA F1

Energy efficiency is critical to meet Paris objectives



Energy efficiency improvements are too slow



Annual global primary energy intensity improvement by scenario, 2001-2030 (Source IEA 2022)

STEPS = Stated Policies Scenario;
APS = Announced Pledges Scenario
NZE = Net Zero Emissions Scenario.

EU policy on energy efficiency

« Energy efficiency first » principle

Headline targets, overall approach to energy efficiency

Energy Efficiency Directive

Targets for energy efficiency, primary and final energy consumption, role of public sector, energy poverty

Sector-specific targets and measures

Buildings

Energy Performance of Buildings Directive

Products

EU labelling, eco-design

Transport

Planning, coordination of EU & national approaches

EU Climate Target Plan, National Energy and Climate Plans (NECP), national renovation strategies, heating plans, etc.

Financing

Approach = clear plans and targets > public funding (EU + MS) > leveraging private investment

Tools = EU funding (Cohesion Funds, RRF), loans under InvestEU, project development assistance (ELENA), private sector mobilisation (EEFIG)

Enabling actions, skills and innovation, exchange of best practices within EU

Pact for Skills, LIFE programme, Horizon Europe, Concerted Actions, Covenant of Mayors

Energy efficiency: synergies & co-benefits

Energy efficiency is a cross-cutting concept, that touches upon or can be applied in synergy with many other types of actions:

- Energy efficiency = **reach full decarbonisation potential of renewables by moderating energy demand**
- Energy efficiency = **resource efficiency, circular economy**
- Energy efficiency = **“cheapest & cleanest fuel”, technologically mature solutions**
- Energy efficiency = **creates jobs** (15-20 jobs per 1 mln EUR spent, IEA), **requires skills**
- Energy efficiency = **just transition, energy access, lower bills, less energy poverty**
- Energy efficiency = **key driver of climate adaptation**
- Energy efficiency = **better air quality, health rewards**

Clean Cooking

Athena Koulouris – INTPA F1



Biogas stove
© Sistema Bio

Clean cooking

Issues:

- GHG Emissions = 2% , as much as aviation sector
- More than 50% of manmade black carbon emissions
- Unsustainable harvested wood fuel and forest degradation?

Growing interest:

- Partner countries' commitment to NDCs
- Carbon credits facilitating clean cooking sector development
- Role of enabling policies, standards & labels

Thank you



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Climate Change Mitigation – From Challenges to Solutions

International Climate Response
Global Energy Transition
Carbon Markets & CBAM

This morning's programme ...

10:05 Martin Hession (DG Clima) –Carbon
Markets

David Boublil (TAXUD) – CBAM

10:20 Clarification questions

10:30 End of session

Training Needs Assessment

Scan me!

