

# TAIEX

MOVING FORWARD TOGETHER  
WITH EU EXPERTISE

## TAIEX regional workshop on Emissions Inventories and Integrated Assessment Modelling: supporting candidate countries

Vienna, 31 March - 02 April 2025

### Beneficiaries:

Albania, Armenia, Bosnia and Herzegovina,  
Georgia, Kosovo\*, Moldova, Montenegro,  
North Macedonia, Serbia, Türkiye, Ukraine,  
Kazakhstan, Kyrgyzstan



#TeamEurope



# TAIEX Workshop on Emission Inventories and Integrated Assessment Modelling

Workshop organized in two parts: Emission Inventories (1.5 days) and Integrated Assessment Modelling (1.5 days)

Designed to provide the basics and discuss improvements

- 53 participants from Albania, Armenia, Bosnia and Herzegovina, Georgia, Kosovo\*, Moldova, Montenegro, North Macedonia, Serbia, Türkiye, Ukraine, Kazakhstan, Kyrgyzstan
- 14 experts from the EU

With the kind support of the TAIEX instrument

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Organized in co-operation with European Commission, DG ENV



# TAIEX Part A: Emission Inventories

## Generic Conclusions :

- Emission Inventories are the basis for:
  - Integrated assessment modelling
  - Emission reductions compliance
  - Policy planning
  - Air quality modelling
- Good emission inventories are a long process, and continuous improvements over a number of years are required
- Permanent teams for a number of years appropriately funded and prescribed by laws are a necessity
- Synergies and coordination with teams compiling GHG inventories helps everyone

# TAIEX Part A: Emission Inventories

## Conclusions applicable to Non-parties:

- Methodologies and emission factors adapted to non-Parties are needed because of diverging technologies/fuels
- Good and detailed activity data are needed to move from Tier 1 methods, often hard to get
- Physical visits and meetings with people who might have those data often help, as well as permanent cooperation with other ministries or data holders
- Often solutions can be found in neighboring countries, or countries with similar level of technologies

# TAIEX Part B: Integrated Assessment Modelling

## General conclusions :

- GAINS is a supporting tool for policy making and negotiations. GAINS is fit for purpose, but improvements are possible
- There is no obligation to use GAINS
- GAINS describes the costs of abatement measures and the multiple impacts of air pollutants (including the linkages between air pollution, health, biodiversity and climate impacts).
- The quality of emission data influences the quality of GAINS results
- GAINS includes exposure to primary and secondary PM and can take population dynamics into account

# TAIEX Part B: Integrated Assessment Modelling

## Conclusions applicable to national experts from non-Parties:

- Keep improving your emission estimates, projections, and air quality measurements
- Try the GAINS scenario viewer, identify errors and give feedback
- Participate in bilateral consultations with CIAM | IIASA
- Compare GAINS results with other models and national analyses
- Present such comparisons at TFIAM meetings
- Deeper involvement of EECCA/WB experts in TFIAM, to:
  - Stimulate and assist your representatives in WGSR in giving political guidance to the assessment of costs and health impacts, including flexibility options and fairness criteria



# What Next?

# TAIEX Part A: Emission Inventories

## Ideas for future assistance:

- Workshop on how to estimate correctly the **effect of policies and regulations, including projections**
- Bilateral cooperation on how to **improve emission inventories and move to higher Tiers**
- Workshops on **emission inventory models, like COPERT, Agricultural models**

# TAIEX Part B: Integrated Assessment Modelling

## Ideas for future assistance:

- TAIEX funding is possible for **GAINS training meetings** if hosted by a government institute in the EU (for delegations per country or group of countries)
- More detailed **GAINS-data are needed on cost-effective measures** (that should be included in national plans)
- In follow up sessions make **smaller parallel groups** for political and technical discussions

How can we further stimulate experts from EECCA/WB to attend TFIAM & EMEP meetings (also possible online)?