

# 2024 Global Methane Forum

## Mobilizing Methane Action

18-21 March 2024, Geneva, Switzerland

# METHANE MITIGATION POLICIES IN REPUBLIC OF NORTH MACEDONIA

Phd. Hristina Odjaklieska, environmental engineer  
Deputy Minister  
Ministry of Environment and Physical Planning

# National Methane Reduction Commitments

- **Long-Term Strategy on Climate Action and Action Plan:**
  - A long-term vision for 2050, setting **national net greenhouse gas (GHG) emissions reduction target of 72% by 2050** (compared to 1990 levels).
- **Enhanced Nationally Determined Contribution (NDC):**
  - By **2030**, the country aims for a **51% reduction in greenhouse gas emissions** (compared to 1990 levels) and an **82% reduction in net emissions**.
- **Global Methane Pledge (GMP):**
  - The goal is to achieve a **30% reduction in global anthropogenic methane emissions by 2030** (compared to 2020 levels)



# Share of Methane in the Total GHG Emissions

- Total GHG emissions in North Macedonia, in 2020, were approximately 9,768.86 kilotons.
- Country's GHG profile:
  - **Energy** Industries account for 67.58% of the total.
  - **Manufacturing Industries and Construction** contribute around **9.10%**.
  - **Transport** activities make up approximately **14.77%**.
  - **Others**: The remaining 17.65% come from other sectors, out of which **waste sector contributes with 8.33%**.
- The contribution of methane (CH<sub>4</sub>) to these emissions is approximately **14.41%**.



# Waste Landfilling as a source of methane emissions

- Non-compliant landfills /dumpsites:
  - Skopje region: 1 regional landfill and 52 dumpsites;
  - Polog region: 1 regional landfill and 72 dumpsites;
  - Eastern region: 11 non-compliant (municipal) landfills and 71 dumpsites;
  - Pelagonija region: 8 non-compliant (municipal) landfills and 109 dumpsites;
  - Southwest region: 10 non-compliant (municipal) landfills and 84 dumpsites;
  - Vardar region: 8 non-compliant (municipal) landfills and 25 dumpsites.



# Mitigating Methane Emissions

- Current activities (EU funded):
  - Closure and remediation of non-compliant landfills and dumpsites in Eastern Region and North Eastern Region.
- Planned activities (EU funded):
  - **Construction of a regional sanitary landfill** for 5 waste management regions in the state starting in 2025 - 2026 (EU grant and EBRD loan)
  - **Upgrading of the current regional landfill** for Skopje region (IPA III, start cannot be projected at this stage)
- Financing of closure and remediation of non-compliant landfills in other regions will be from other sources.
- Initiated activities for construction of biogas plants in 4 regions across the state.



# Conclusions

- Methane mitigation policies in North Macedonia are well aligned with the EU and global requirements.
- Investments in mitigating methane emissions from the waste management sector in the public and private domains are underway.
- Additional financing is to be mobilized in order to achieve national GHG emission targets.



# THANK YOU

[hristina.odzaklieska@moepp.gov.mk](mailto:hristina.odzaklieska@moepp.gov.mk)

[hristina.odzaklieska@hotmail.com](mailto:hristina.odzaklieska@hotmail.com)