

**Template for the submission of
examples of good practices with regard to air pollution
related policies, strategies and measures**

Background

1. The Executive Body, at its thirty-sixth session, adopted decision 2016/3 on Improving the effectiveness of reporting on strategies, policies and other measures to implement obligations under the Convention and its Protocols. This decision stipulates that *“the period for reporting the information referred to in article 5, paragraph 1 (a), of the 1994 Protocol on Further Reductions of Sulphur Emissions, article 7, paragraph 1 (a), of the Protocol on Heavy Metals, article 9, paragraph 1 (a), of the Protocol on Persistent Organic Pollutants and article 7, paragraph 1 (a), of the Protocol to Abate Acidification, Eutrophication and Ground-level Ozone (Gothenburg Protocol) is **at least once every four years**”*. As per this decision, the Executive Body also *“invites States and organizations referred to in article 14, paragraph 1, of the Convention that are not Parties to these four Protocols to provide information on strategies, policies and measures to abate air pollution at the sessions of the Working Group on Strategies and Review.”*

2. The enclosed template has been developed to facilitate the submission by Parties of examples of and good practices with regard to different regulatory, voluntary, economic and other measures relating to air pollution in advance of WGSR’s sixty-first session. The templates with information filled in should be sent to the secretariat at air_meetings@un.org by **1 August 2023**.

3. Delegations are invited to submit to the secretariat case studies/examples which could be of interest to other countries. A summary of submitted information will be made at the Working Group’s session. Parties that had not shared such information during the recent years are particularly invited to do so. An overview of the previous reporting at WGSR sessions since 2013 is available on the Convention website:

<https://unece.org/strategies-and-policies-abatement-air-pollution>

4. Examples could comprise, among others, economic measures such as financial incentives or disincentives (such as taxes, subsidies, set prices or caps/ceilings, payments, rebates), voluntary measures (such as voluntary agreements, programmes or contracts), regulatory or legislative measures or other measures (such as educational or informational measures). They can include policies, strategies and measures emanating from different sectors with positive effects on air pollution abatement (such as acts/laws on sustainable transport, sustainable agriculture/farming, energy, green building, biodiversity conservation and enhancement). A more detailed description of the implementation of your chosen policy, strategy or measure and related challenges and problems as well as solutions would be more useful than the presentation of many different examples. Furthermore, your examples could also be useful to other Parties even if they have not been successful by indicating why this was the case. You are thus also invited to submit experiences that cover such items as:

- a) A measure that was less effective than you anticipated and why;
- b) A measure that was actually more effective than you predicted;
- c) A measure that had particular implementation challenges – what were they and how did you address them;
- d) A measure that was either less expensive or more expensive than you had estimated. What caused the increased or decreased costs?
- e) Goals that were set and were met by innovative strategies.

Template to facilitate the submission of examples/good practices of strategies, policies and measures employed to implement obligations under any of the protocols to the Convention on Long-range Transboundary Air Pollution

Country: Denmark	Pollutant(s): PM2,5, BC, CO, dioxin, PAH and more
Protocol(s): Please indicate the name of the protocol(s) to the Convention, obligations under which are being fulfilled Gothenburg and POPs	Sector: Please indicate the sector (e.g. agriculture, industry, urban planning, environment, etc.), or sectors (if several) for which the strategy, policy or measure has been mainly designed Domestic heating
Type of strategy, policy or measure and the level of implementation: Please identify the type of strategy, policy or measure – economic e.g. incentive or disincentive (taxes, funds, subsidies, prices or caps/ceilings, payments, rebates, etc); voluntary (agreements, programmes, contracts), regulatory (legislation), or other measures (educational, informational, other) Please state at which level (municipal, regional, sub-national, national) the policy, strategy or measure is targeted or implemented Regulatory, at the national and municipality level	Method used for the current analysis: Please identify the method used for collecting information and the analysis made Wood burning is part of the biannual Energy survey, mapping the energy mix in Denmark. The analysis is carried out by the national statistical agency (Statistics Denmark). In order to collect data on the development in age mix of the population of stoves as well as on wood consumption, the agency sends out digital questionnaires to all households in Denmark registered to have a wood-burning stove. The online survey is combined with targeted follow-ups by phone. The information gathered on wood consumption and age of ovens is then fed into the national emission inventories, where effects on emissions are calculated.
What is the main objective of the strategy, policy or measure? When has it been implemented/or will be implemented? Please describe briefly what the measure attempts to achieve or what has been the result of its implementation. Please also describe since when it is being employed or for when its implementation is foreseen. Please explain whether implementation is/was immediate or gradual. [150 words max] The Danish efforts to reduce particle emissions from wood firing are centred around the replacement of old installations since old wood stoves emit up to five times as many particles as a modern stove.	
Background and driving forces: Please explain briefly why this strategy, policy or measure was implemented; mention the driving forces for its introduction e.g. policy development, legislation (EU, national), action plans, voluntary, incentive, or other [150 words max]	

In 2008 a new statutory Order on wood burning introduced particle emission limits per kilogram wood for all new wood burning stoves. In 2008, the requirement was 10 g PM/kg which has been tightened regularly since. From 2022 the Ecodesign Directive secured that requirements for new wood burning stoves are harmonised all over the EU (5 g/kg). Correspondingly, Ecodesign requirements for wood burning boilers was introduced from 2020. These Ecodesign requirements apply all over the EU. This will also reduce air pollution in Denmark, since a major proportion of particle pollution is transboundary. Many old wood burning stoves from before 1990 are estimated to emit 20 g/kg or more.

Description of the strategy, policy or measure:

Please explain briefly how the strategy, policy or measure works and why it has been chosen compared to other policies/measures. Please also explain how its implementation is being monitored. [200 words max]

The replacement of old wood stoves has been accelerated by two main initiatives: a law requiring old wood burning stoves from before 2003 to be replaced upon the transfer of ownership of a private home. I.e. when buying a house/flat with an old woodstove, the new owner is obliged to replace the oven with a new(er) one or close down the fireplace.

In 2022 it was further decided to give municipalities the opportunity to ban old stoves from before 2008, in areas with district heating. It is up to the municipality to decide if they want to join the regulation of old wood stoves. The regulation entered into force in July 2023 and is expected to be used primarily by the larger cities.

On top of the wish to accelerate the shift towards more modern ovens, the idea behind both initiatives was, that it should be targeted at citizens who would have the means to buy a new oven (private house owners) as well as the ones, who did not use wood burning as their main source of heating (people living in areas with district heating).

Costs, Funding and Revenue allocation:

Please state how much the implementation of the measure costs including its monitoring and how it is funded (national budget, industry, taxes, etc.) If the measure is creating revenue, please also explain how this revenue is being allocated and collected. [200 words max]

The cost of both initiatives is carried by the owner of the woodstove in terms of buying a new stove or shutting down the fireplace. Registration is done in a digital system, which was already in place and monitoring is carried out by the chimney swiper, who by law has to check the oven and chimney once a year. Further inspections can be carried out by the municipalities on request e.g. from neighbors.

Effect and impacts on air pollution abatement:

Please explain briefly the effect of the policy, strategy or measure and how it has impacted the abatement of air pollution. If impacts are known, please quantify, if possible. Please highlight also other effects of the implementation of the measure e.g. with regard to compliance, the acceptance of the measure or its transposition (e.g. from a voluntary to a regulatory or another type of measure). [150 words max]

From August 2021 to July 2023 it is estimated that around 12.500 old wood stoves have been scrapped as a consequence of the law on replacement upon change of ownership. It is not yet known, who many municipalities the new legislation.

References/Further information: *Please provide most relevant sources for information such as references for web links, books, other resources.*

<https://braendefyringsportalen.dk/borger/ejerskifteordningen/>

Contact: *Please insert your contact details below.*

Name: Heidi Ravnborg

Country: Denmark

Organization: Ministry of Environment

Address: Vester voldgade 123, Copenhagen

Telephone: +45 20756477

Email: heira@mim.dk

Additional comments: *Please include any additional information you may wish to provide here.*