

March 28nd, 2022, Brussels

Specifications for ANALYSIS OF THE BAN OF FOSSIL HEATING TECHNOLOGIES ON NECPS and national energy dependency within the context of the Coolproducts campaign to decarbonise heating.

Context:

In December 2020, the European Council has adopted a -55% GHG emissions 2030 target to be enshrined in the EU Climate Law. To achieve such an objective and to be consistent with the Paris agreement, some sectors where decarbonised technology is mature, such as the heating and cooling sector must achieve much higher GHG cuts. In 2021 the JRC of the European Commission has published the report "[EU challenges of reducing fossil fuel use in buildings](#)" where a quick phase out of fossil boilers is indicated as essential to achieve 2030's climate targets. Unfortunately, the European Commission has not provided a date for the ban of gas boilers in EU in the proposed revision of the Ecodesign regulation for space and water heaters, nor has introduced such date in the proposed recast of the Energy Performance of Building Directive or in the Renewable Energy Directive.

Still, a large part of the climate objectives included in the National Energy and Climate Plans, that implement the Effort Sharing Regulation are based on pathways to decarbonise inter alia, heating and transports: such pathways rely on the quick decarbonisation of the heating technologies.

Finally, in 2022 the Russian invasion of Ukraine has pushed the energy independence agenda of the EU and renewables have been put at the centre of the scene as the key tool to reduce reliance on gas and oil imports.

Objectives of the work:

The objective of this work is to produce a reader-friendly detailed report on the impact that an EU ban on sales of fossil boilers would have in the achievement of the existing targets for heating decarbonisation in the NECPs and on the energy dependency of the individual Member States. The figures of the contribution of this measure to a quick phase out from Russia gas and oil imports will be used to feed the ongoing narrative about the topic. The report should also underline to what extent the targets can be enhanced based on the results prompted by the ban.

The report should also contain an updated map of the existing support schemes for alternative heating systems such as heat pumps and solar thermal in Europe, starting from the one already existing on the Coolproduct.eu website.

The report will be presented in a webinar targeting policy makers.

Content and methodology:

This new report should update the mapping of the incentive schemes to June 2021.

Building on the data included in the existing CoolProducts reports and on Eurostat data and existing analysis of the NECPs, among others, the report will integrate variables such as the number of installed

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space and water heaters in the country, the average consumption per capita for space and water heating, degrees/day, the volume of oil and gas imports for heating purposes of each MS, among others.

The report will be divided in three chapters (mapping of existing incentives, analyses of the targets included in the NECPs, scenarios of decarbonisation though a ban on fossil heating) , the work will consist of two work packages.

- **WP1:** update of the existing incentives schemes (as of May 2022)
- **WP2:** Chapters 2 and 3.

Other data/indexes can also be suggested within the limits of the budget and timelines. The number and quality control of the analyses will be a key selection criterion to choose a contractor.

Deliverables:

The report should be produced under non-proprietary/commonly used formats enabling an immediate dissemination through public relations and social media channels.

The final requested deliverables are:

- A MS word file containing the report.
- A MS excel file containing the data sets the report is based on.
- A set of excel charts (*min 2 per country*) related to effects on NECPs
- A set of excel charts (*min 2 per country*) related to effects on the energy imports
- Two short presentations (15 slides each max) to present the 2 work packages.

Other deliverables can also be suggested within the limits of the budget and timelines and will be a key selection criterion to choose a contractor.

Timelines:

The work should be performed in May/June 2022. It is expected that a draft of full report will be provided at least ten days before the end of the work.

The deadline to deliver the WP1 is the June 10th. The deadline for the full report is June 30th.

A coordination meeting will be organised in June to prepare the launch of the report. The author(s) will be requested to attend such meeting.

A presentation/launch of the report will be made to the benefit of the EEB members, ideally in the first half of July. The author(s) will be requested to attend (online if physical attendance is not possible) and to present the report.

Budget and payment:

The total budget should not exceed **18938€**, including VAT (if applicable).

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An break down of the budget allocation per deliverable is required. The budget can either be destined to consultant work or be used to finance a master thesis or other study grants. The best value for money will be one of the criteria to select the proposal.

A 50% first instalment will be paid after signing the contract, a second and final instalment will be paid following the delivery of the final draft.

Approach:

While the methodology is to be presented by the potential contractors in their answer to this bid, here are some expectations:

- The author(s) is/are expected to present the overall structure of the work and a GANTT analysis of the workflow.
- The contractor should be free to associate with any expert and potentially sub-contract part of the work, as deemed most relevant, but the contractor should be the sole responsible for ensuring a quality and timely delivery and emit the invoices. The potential contractors should describe in their technical offer to this bid with whom they intend to work.

Future use of data and briefs:

EEB will have the property of the report.

The report will be published in the Coolproducts.eu website; all design files, spreadsheet and presentations need to be submitted along with the final report.

Award criteria:

- 1- Quality of the technical offer (40%), notably:
number of indexes/datasets (regional/municipal), relevance of the proposed formats and related quality control, description, and relevance of the approach
- 2- Budget and ability to meet timelines (10%).
- 3- Experience and Curriculum of the contractor/contractor's team, including subcontracted experts (40%).
- 4- Additional criteria (10%): Design of the charts and report and ability to make them appealing for readers, integration with university studies such as master thesis, grants.

Deadline

Please send your offer including the total contract price to

Davide Sabbadin, Senior Policy Officer for Climate and Circular Economy at davide.sabbadin@eeb.org before midnight on 29th April 2022.