The ETUI has launched a research project on the employment effects of possible decarbonisation pathways for energy intensive industries (EII) in Europe.

Beside qualitative analysis and case studies for a number of member states, in two pilot cases (for Germany and Poland) the ETUI also asks external collaborators to run econometric models to identify possible employment effects.

**General background**

While oil and coal do not have a future and the era of the internal combustion engine driven vehicles is also coming to an end, the decarbonisation of steel and basic materials it’s more complicated. Recognising that de-industrialisation is not the way for decarbonisation and that the EU needs to maintain a strong competence base also in energy intensive industries, pathways for the transformation of these industries need to be explored with estimating also their expected employment effects.

Energy intensive industries have central place in emissions reductions. The production of basic materials and chemicals – steel, plastics, cement, glass and ceramics – emits more than 530 million tonnes of CO2 per year in the EU (including electricity and end-of-life emissions). Material needs are still growing, and **based on current policies, by 2050 EU emissions from these sectors would just be marginally lower than currently.**

Existing industrial low-carbon roadmaps attribute a key role for carbon capture for decarbonising these industries, but still leave up to 40% of emissions in place in 2050. Reducing Industrial emissions is thus critical for reaching a net-zero economy. The European Commission’s ‘A Clean Planet for All’ roadmap was considering the main pathways that eliminate nearly all emissions from industry as well.
Main Objective/Research Questions:

How to minimise employment effects of an ambitious (and genuine) decarbonisation of the energy intensive industries (steel, plastics, chemicals, cement)?
- analysis and research to map decarbonisation pathways and estimate their employment effect
- identify scenarios where maximum decarbonisation with minimum employment loss seems realistic
- If such scenarios appear, what conditionality they have?

Tasks to carry out:

Econometric modelling for selected energy intensive industries on the employment effect of decarbonisation

Evaluation and analysis of the result from point of view how to reach maximum decarbonisation with minimum employment loss.

Policy recommendations for realistic decarbonisation scenarios.

Consider also material flows with the rest of the world and the possible effects of a BCAM

Explore regional effects.

The study should have a length of ca. 15,000 words and be written in English. The deadline for the first draft is 31st January 2022, for the final draft 28th February 2022.

GDPR rules

The candidate / tenderer is required to comply with the requirements of the General Data Protection Regulation (GDPR), ensuring the processing, data security and data protection of data subjects when personal data are involved in the data protection in the framework of a future contract or intention to conclude a contract.

Further information on how the ETUI handles personal data and contact details is available on the privacy notice on the ETUI website at www.etui.org.

Duration and value of the tender

The ETUI plans to conclude a contract with the successful bidder and award a contract from mid-September 2021.

The overall value of the tender includes the work performed by the bidder (as well as the cost of any external help required) to complete the tasks listed in the description of the tender.
**Award criteria:**

The bid will be awarded on the basis of “best value for money”, especially based on the quality of previous work or services rendered. It is not a precondition to place an offer for the additional study on the CEE automobile industry, but possible synergies will be considered and it might be an advantage. The criteria will be assessed based on the elaboration of a proposal for the publication, CVs of the project manager(s) and price.

**Deadline for the submission of tenders:**

Proposals with a budget calculation should be sent to Bela Galgoczi (bgalgoczi@etui.org) and to Sophie Kasiers (skasiers@etui.org) by the 10th of September 2021.

**Terms and conditions:**

1. The bid must specify the costs involved in each step of the consultancy as mentioned in the description of tasks.

2. The contractor has the right to use all intellectual property which the winning bid generates in fulfilment of the contract, the material results of which will be protected by copyright.

3. The winning bid shall accept responsibility for any legal obligations entailed by the contract and is in particular required to his/her country of origin the requisite tax statements relating to the services supplied. Value tax where applicable, shall be shown separately on all invoices as a net extra charge. All other taxes, levies and expenses shall be borne by the contractor and shall not be included in the relevant invoices.

4. The winning bid accepts all reporting obligations to the EU to which the ETUI is subject and in case of audit will cooperate to provide necessary information.

5. In case of disputes the Belgian courts will be competent. The ETUI is financially supported by the European Union.

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Annex 1 - Declaration on Honour

I HEREBY CERTIFY, AS CANDIDATE/LEGAL REPRESENTATIVE OF THE CANDIDATE,

- that the candidate:
  - is not bankrupt or being wound up, is not having his/her affairs administered by the courts, has not entered into an arrangement with creditors, has not suspended business activities, is not the subject of proceedings concerning those matters or is not in any analogous situation arising from a similar procedure provided for in national legislation or regulations;
  - has not been convicted of an offence concerning his/her professional conduct by a judgment which has the force of *res judicata*;
  - is not guilty of grave professional misconduct proven by any means which the contracting authority can justify;
  - has fulfilled his/her obligations relating to the payment of social security contributions or the payment of taxes in accordance with the legal provisions of the country in which he/she is established or with those of the country of the contracting authority or those of the country where the contract is to be performed;
  - has not been the subject of a judgment which has the force of *res judicata* for fraud, corruption, involvement in a criminal organisation or any other illegal activity detrimental to the Communities' financial interests;
  - is not currently subject to an administrative penalty referred to in Article 96(1) of the Financial Regulation;

Signature ........................................ Date:

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THAT THE CANDIDATE/legal representative of the candidate:

- is not subject to any conflict of interest;
- that the candidate will inform the contracting authority, without delay, of any situation constituting a conflict of interest or which could give rise to a conflict of interest;

Signature ........................................ Date:

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To the best of my knowledge, all information provided is true and accurate.

Signature ........................................ Date:

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- The ETUI reserves the right to check the information provided. Together with this form, duly signed, the candidate undertakes to send any additional document which the ETUI considers necessary to perform its checks.
- By signing this form, the undersigned acknowledges that he/she accepts controls/audits from the European Commission under the same conditions as the ETUI.

Signature ........................................ Date: