BIOGRACE
Harmonised Calculations of Bioenergy Greenhouse Gas Emissions in Europe

Dear reader,

This mail contains messages on three subjects that might be of your interest:

Announcement of small updates to the BioGrace-II GHG calculation tool (electricity, heat and cooling from biomass)
In February 2021 the final version 4a of the BioGrace-II GHG calculation tool was published on this web page. We have started to make a number of small updates that will be published in the first quarter of 2023:

- An update of the list of additional standard values (part on electric emission coefficients) which will be taken from the *Commission implementing regulation (EU) 2022/996 of 14 June 2022 on rules to verify sustainability and greenhouse gas emissions saving criteria and low indirect land-use change-risk criteria*;
- The addition of the sheet "Final conversion only (with heat at different temperature levels)". This sheet was removed when preparing version 4. One of the users of the tool requested to add it again; and
- Deleting the calculation sheets on direct land use change (LUC, e_l) and on improved agricultural management (soil carbon accumulation, e_{sca}).

On the last point we have a question to the users of the BioGrace-II GHG calculation tool. The two calculations sheets on land use change and on improved agricultural management are not used by the users that we know. These two sheets have in fact more relevance for the BioGrace-I tool as land use change and agricultural management are more relevant for agricultural biomass than for forest biomass. We ask users of the BioGrace-II GHG calculation tool to contact us in case they have used or are using (one of) these two sheets "LUC" and "Esca" in the current tool.

BioGrace-I GHG calculation tool (biofuels for transport) has become outdated
Please note that the BioGrace-I GHG calculation tool has become outdated since the recast of the Renewable Energy Directive (RED-II) has been implemented in all EU member states (this is done or should have been done by July 1st, 2021). As a result, the BioGrace-I GHG calculation tool currently is not suited for making GHG calculations for demonstrating compliance to the RED-II.
The BioGrace-I GHG calculation tool is on biofuels and biogas for transport. As the tool has not recently been updated, it contains outdated default values, outdated disaggregated default values and outdated standard calculation values (conversion factors and GHG intensities of natural gas, electricity etc.).

Current and future amendments of the RED-II
We understand that the European Commission will update the GHG default values in Annexes V.C and VI.B of the RED-II in the course of 2023. Of course the BioGrace-II GHG calculation tool will need to be updated once these updates have been published and take effect.
Meanwhile, the negotiations on the RED-II amendments, based on the RED-II amendment proposal in the July 2021 Fit-for-55 package, are currently still ongoing. The proposal nor the Council or Parliament positions include updated (disaggregated) default values. Our current analysis is that there is no need to update the BioGrace-II GHG calculation tool once the Triloque has ended and there is a new RED-II directive. The final revised RED-II (or RED-III as it is also called) is expected early 2023.

With kind regards,

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