



Oil and Gas production GHG emissions: Need for a collective management

79th Discussion Forum on LCA

18 November 2021

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Facts

- Increase of Oil and Gas Carbon Footprint reported by ESU Service and IFEU multiplied by factor 2 to 3 compared to general current values
 - Increase of flaring, transport distance to deliver in EU
 - Increase of methane emission
- As example HDPE CF (PlasticsEurope) could increase from 1,87 to a 2,17-2,51kg.C02eq./kg range
- All activities using Oil and Gas are impacted
 - LCA Unit Process (more or less depending on How much Oil and Gas production contributes)
 - Beyond LCA UP, any CF related study, regulation, report...
- There is a controversy on these data (Oil and gas association, companies..)
- Main database (Eco-invent, Gabi, etc....) have process review before integrating new data

Collective needs

- Leaving each database providers, dataset developers validating and updating on its own at his rythm, would create a bias when using data from different sources
- There is a need for a coordinated
 - Stakeholders discussion and validation of the oil and gas data to be selected (European mini, should be worldwide)
 - Update of databases
- PlasticsEurope is happy to help initiating the momentum but is not legitimate to facilitate such a coordination
 - Workshop organized on 6 July 2021
 - Continuous effort for awareness

Workshop of 6 July 2021: attendance

- CASTELAN Guy PlasticsEurope
- MILLET Hervé PlasticsEurope
- Thomas Fröhlich IFEU
- Daniel Muenter IFEU
- Liebich Axel IFEU
- Jungbluth Niels ESU Service
- Maresa Bussa ESU Service
- Christoph Meili ESU Service
- Mike Southern Eurobitume IMEO
- Eric Johnson atlanticconsulting, ecosite
- Baitz Martin sphera
- BOYANO LARRIBA Alicia EC/EF team
- THELLIER Lionel EC/EF team
- Simone NESSI EC/JRC
- MARELLI Luisa EC
- Saling Peter BASF, PlasticsEurope LCA chair, ISO TC207/SC5 chair
- Lucia Valsasina Ecoinvent
- Meuwissen Edmar Symbra
- Meghan Demeter United Nations
- Schuller, Oliver sphera
- Wernet Gregor Ecoinvent
- Katarzyna Cenian PRE Sustainability
- Ivo Mersiowsky Quantis
- Matthias Schulz Sustainability-consulting
- Schöll, Steffen sphera
- Bernard, Yannick sphera
- Kupfer, Thilo sphera
- Kupfer Thilo BASF
- Fleuriot Fanny ADEME
- Olivier Rethore ADEME
- Carl Vadenbo Ecoinvent
- Emilia Moreno Ruiz Ecoinvent
- Llorenc Mila I Canals UNEP/Life Cycle Initiative
- claudia.giacovelli@un.org UNEP/Life Cycle Initiative
- Oliver Kusche OKWorKX, GLAD
- Manfredi.Caltagirone UN
- TROMSON Clara ADEME
- Ballantyne, Kate Chevron, IOGP
- Piotrowska Kamila IOGP
- Yugo Marta CONCAWE
- Stephan Pfister IFU
- Olivier berschelp IFU
- Christian bauer PSI
- Andre Butz University of Heidelberg
- Charlotte Hugrel Bleu Safran
- Magali Palluau Bleu Safran



Let's work together

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