

Reducing PCF of lubricants and greases

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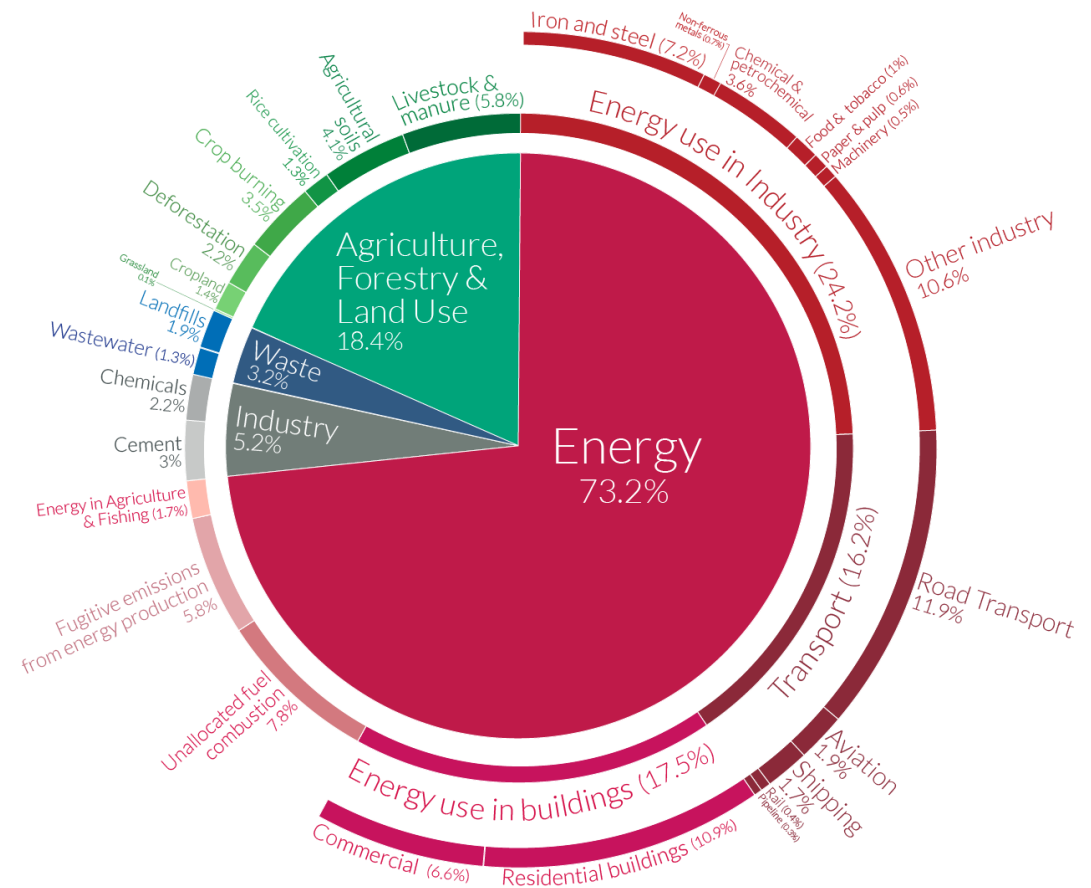
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Sustainability Committee



Product Carbon Footprint

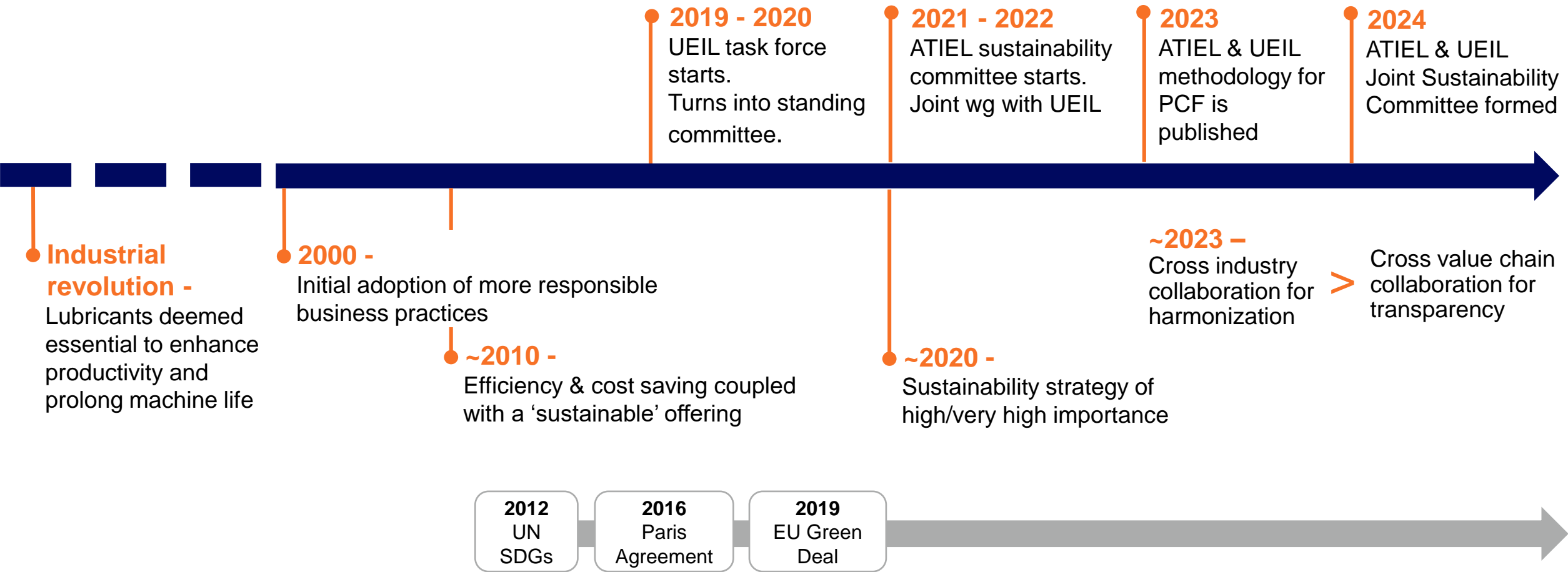
“Sum of Greenhouse Gas emissions and Greenhouse Gas removals in a product system, expressed as CO₂ equivalents [...]”, ISO 14067:2018



OurWorldinData.org – Research and data to make progress against the world’s largest problems.
 Source: Climate Watch, the World Resources Institute (2020).

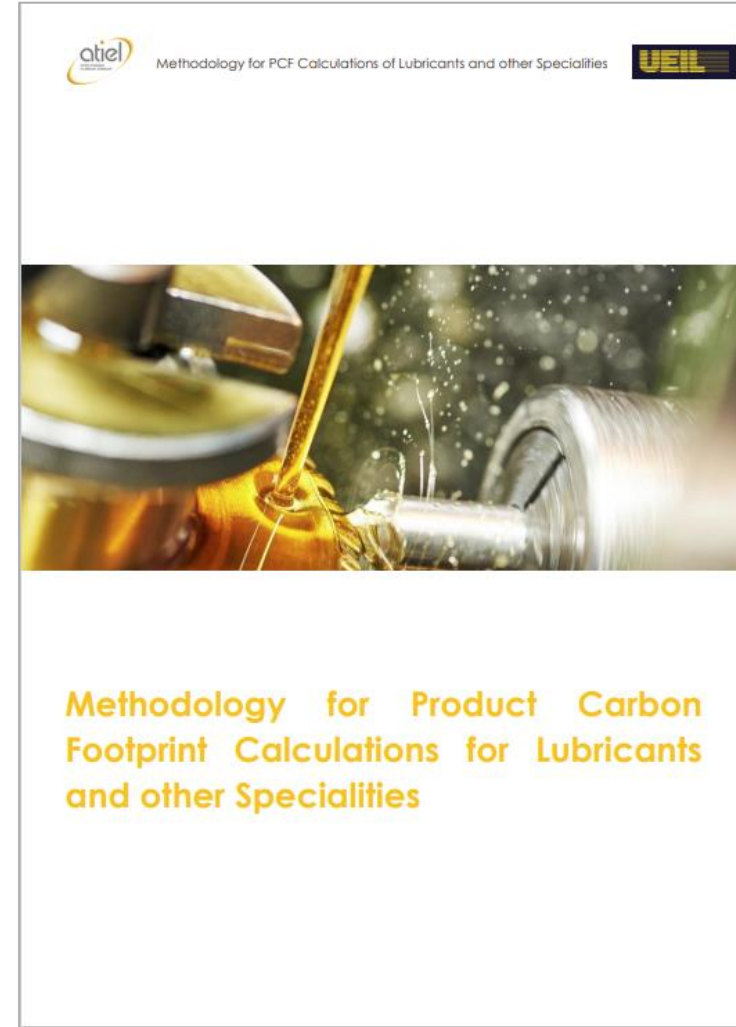
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Industry sentiment and milestones along the sustainability journey



Methodology for Product Carbon Footprint Calculations for Lubricants and other Specialties

Download from www.ueil.org or www.atiel.eu



Measure to manage to modify

PCF methodologies contribute to transparency



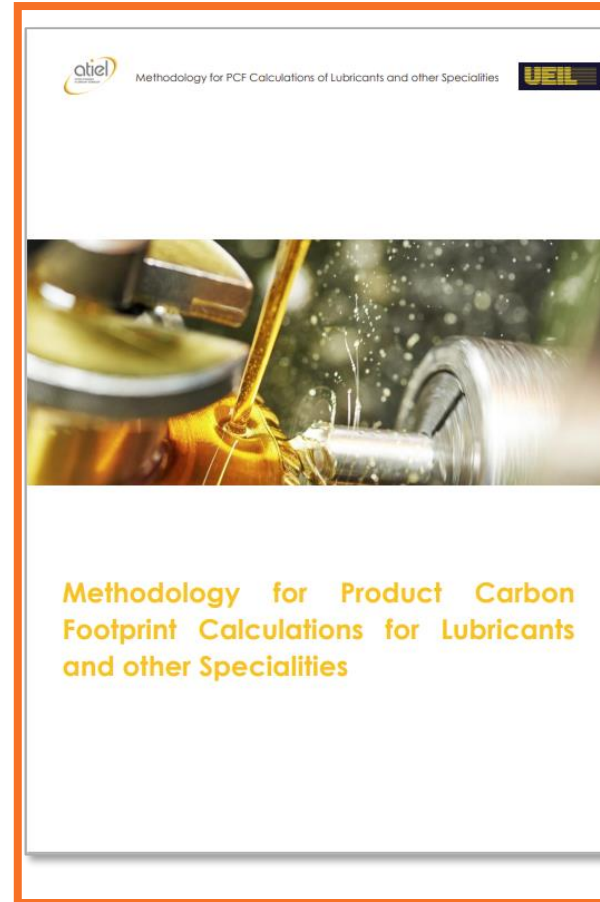
No methodology

- Even with greatest care applied, results cannot be compared, thus might be meaningless for downstream partners in the value chain
- Moreover, results without transparency **how** they were calculated are meaningless at all



ISO 14067

- Gives a framework in which to operate
- Defines mandatory elements to consider
- Defines minimum requirements for reporting
- BUT: is not a detailed How-to-guide; requires manifold decisions to be taken leading to non-comparable results



Product Category Rule based on ISO14067

- Addresses all requirements of ISO14067
- Mandates methodological choices and data sources for a **specific** product group
- Required for complex processes/sectors for which a methodology would still leave open too many options
→ for example the refinery sector could benefit from it

The methodology in a nutshell

WHY: A lubricants sector specific standard methodology

WHAT does it describe?

- Scope of PCF calculation (cradle-to-(outbound)gate)
- System boundaries for PCF calculation
- How the PCF should be calculated and reported

HOW does it help the lubricants industry?

- Transparency and Harmonization – 3rd party reviewed by TÜV Rheinland
- One voice towards stakeholders



More in depth resources and tools on www.ueil.org/sustainability

Global Coordination and Collaboration

International Lubricants Sustainability Liaison Group

Shared Priorities

- Product Carbon Footprint
- Avoided Emissions
- End-of-Life



Future collaboration

- Downstream industry sectors using lubricants

Reducing product carbon footprint
of lubricants and greases

A competition for the best value?

Or a systematic way to identify
improvement hotspots?

