

Different paths towards sustainable biofuels?

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Propositions to the Dissertation

Different Paths towards Sustainable Biofuels?

A Comparative Study of the International, EU, and Chinese Regulation of the Sustainability of Biofuels

1. The analysis of the inclusiveness of the regulatory approach to sustainability of biofuels can be conducted by investigating the regulation affecting demand, supply, and trade of biofuels.
2. The current regulation of biofuels in the EU, China, and international regimes shows various shortcomings in inclusively addressing sustainability concerns, which means that not all biofuels that are produced and consumed can be truly regarded as 'sustainable'.
3. Challenges exist in providing inclusive regulation for sustainability of biofuels due to the complexity caused by the broad and vague meaning of 'sustainability' and its cross-cutting and multi-scale nature.
4. The strive towards an inclusive regulation of the sustainability of biofuels could be built upon the effects of harmonisation, integration, transplantation and convergence.
5. In course of developing a bio-based economy, the potential life-cycle sustainability impacts of biomass demand and supply need to be inclusively addressed.
6. Socio-economic root causes underlying the sustainability concerns of agricultural pollution, deforestation, and food shortage need to be noticed and tackled within national and international legal frameworks.
7. The Paris Agreement adopted on the 12th of December 2015 establishes a legal framework largely depending on nationally determined contributions, so challenges will reside in ensuring the transparency, completeness, and consistency in accounting and stocktaking of global GHG emissions.
8. Valorisation opportunity lies in developing and implementing standardisation and certification frameworks for sustainability of biomass products in the pursuit of the bio-based economy.
9. The prefix 'bio-' does not definitely guarantee a greener and fairer product.
10. Reading much, thinking much, and discussing much, are the three pillars of the PhD. (Inspired by Benjamin Disraeli)