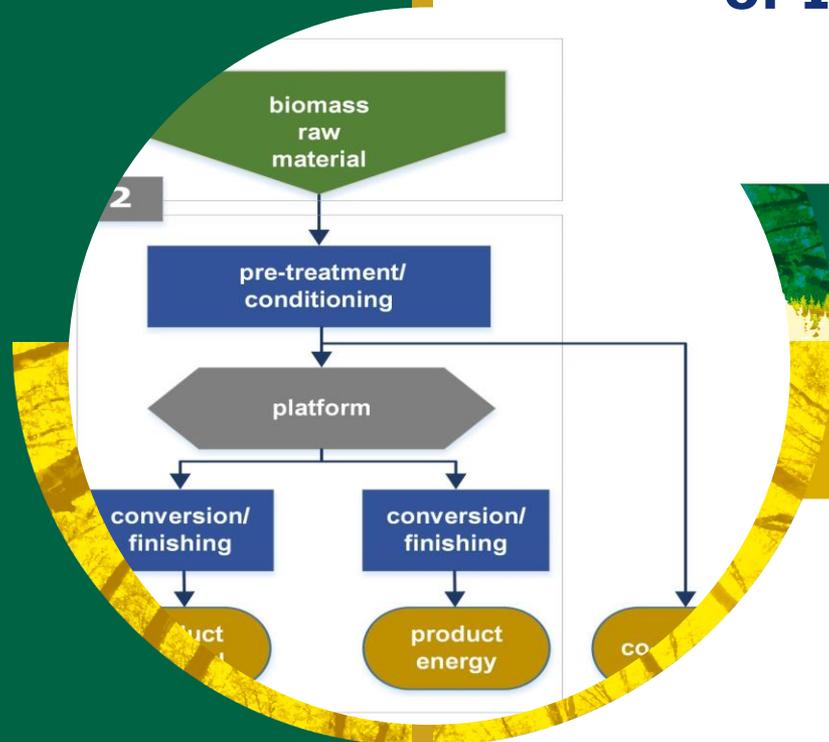


## Joint Task Project (JTP) Technical, Economic and Environmental (TEE) Assessment of Integrated Biorefineries

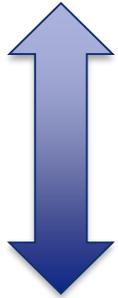


**Task 42**  
**Team Austria**  
**Michael MANDL**  
**Johannes LINDORFER**  
**Franziska HESSER**

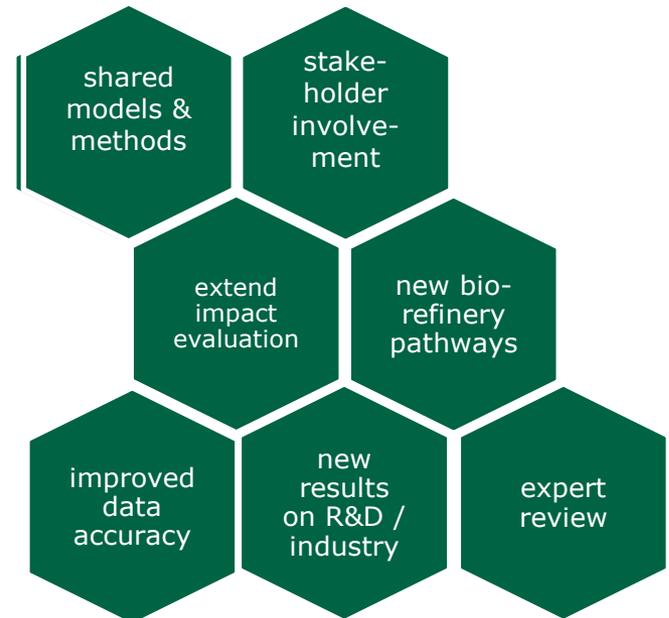
# Objectives of TEE-Assessment

**Underpin sustainability claim of integrated biorefineries via Technical, Economic and Environmental (TEE) Assessment**

- quantitative environmental and economic assessment approach
- with generic initial biorefinery models for iterative refinement
- **encourage stakeholders** for the technology valuation of biorefinery technologies



provide an **open access approach**



# Why is an assessment needed?

Biorefining is widely acknowledged to be a promising route to deliver of products and exergy in a more sustainable way

**but**

there is **limited validated data** on **biorefineries environmental performance** available which actually proof this claim.

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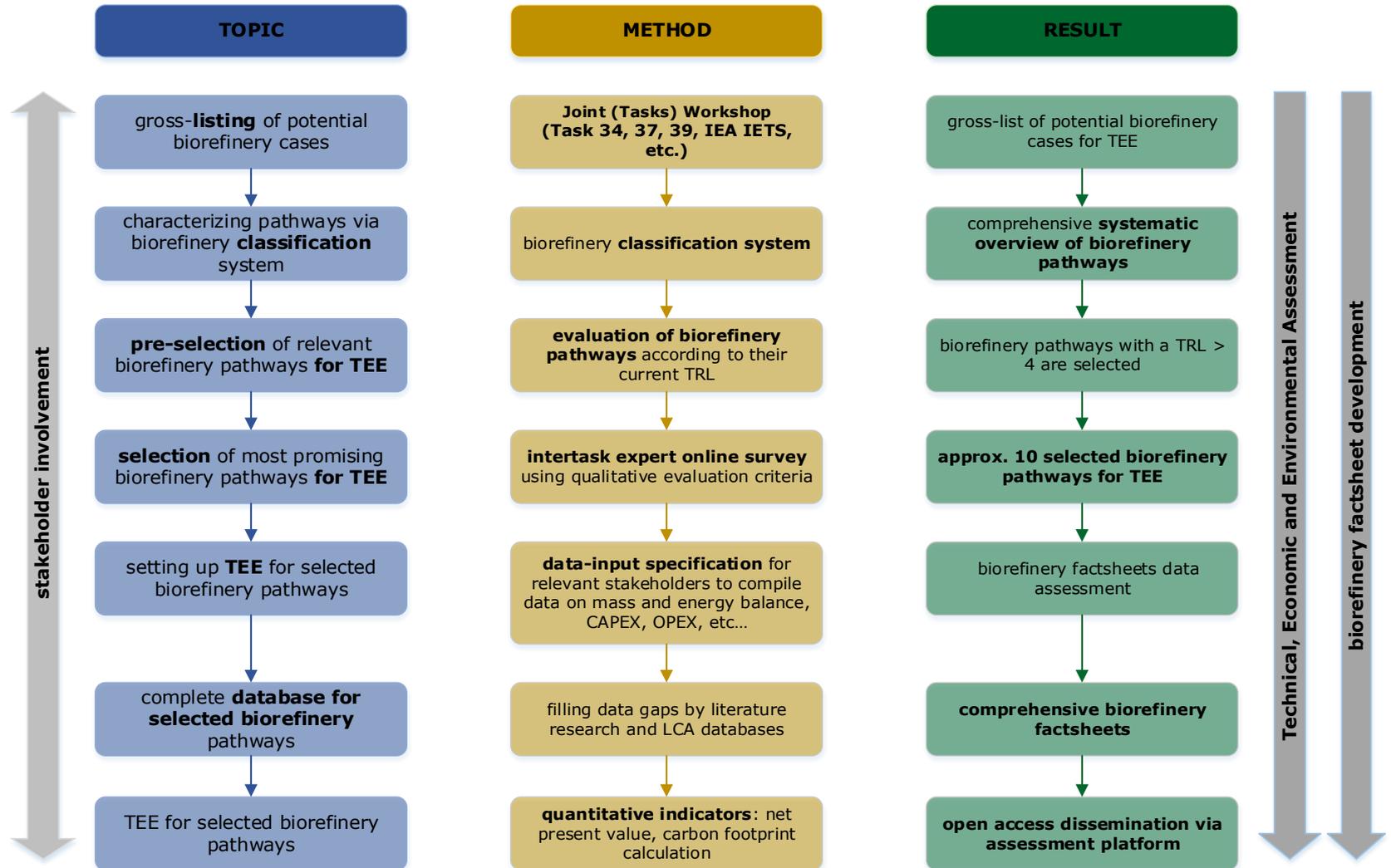
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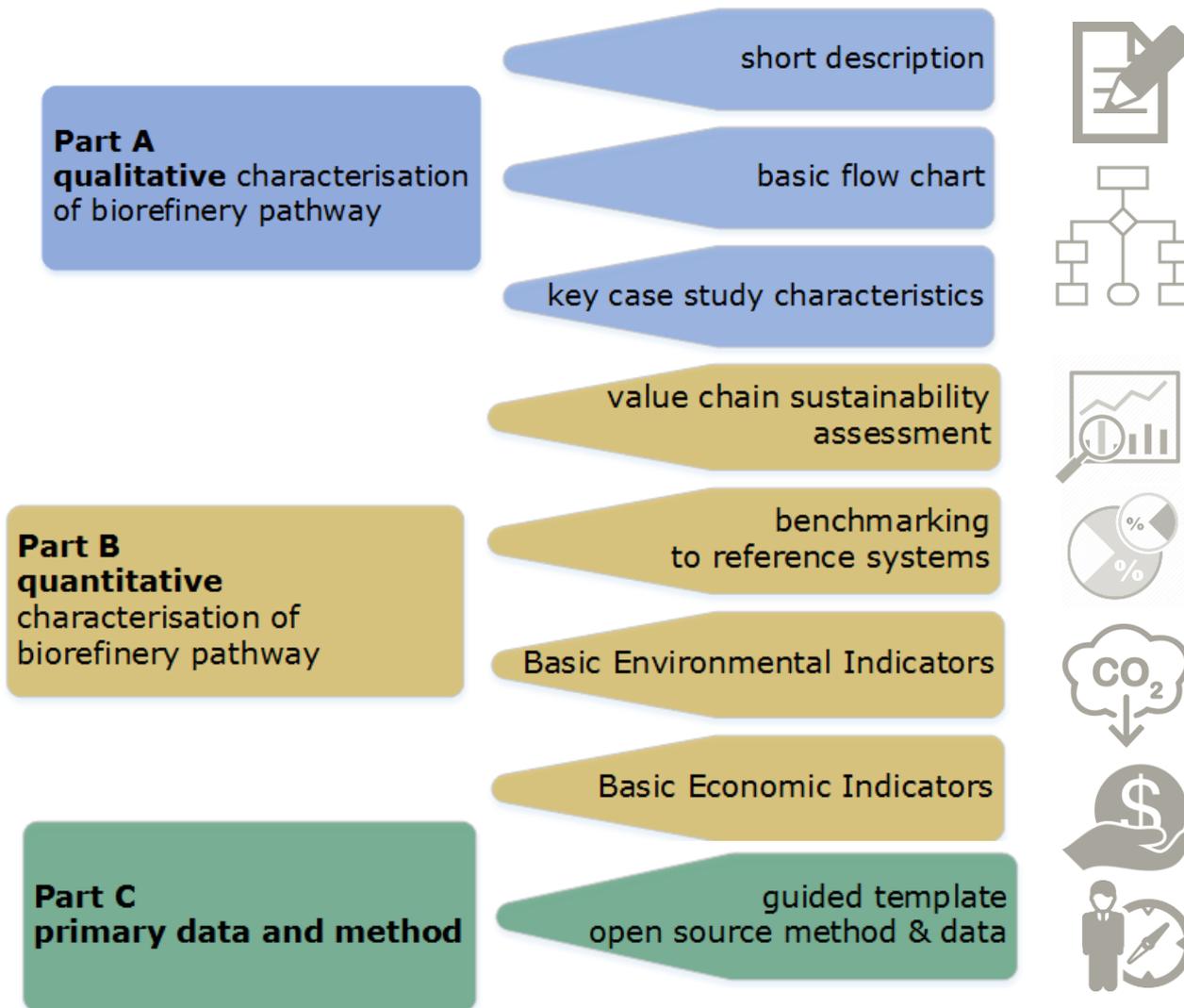


underpin sustainability claim of integrated biorefineries  
best practice models and data shall stimulate  
biorefining implementation on larger scale

# Collaborative Inter Task Project Workflow



# Method of TEE-Assessment



# Outreach



IEA Bioenergy Task 42 is looking for  
**cooperation with industry**  
for  
**performing TEE assessments**  
on biorefineries (operational, demo/pilots)  
to deliver  
relevant results and best practice models  
as show cases for dissemination

**Please fill out this questionnaire or directly contact us**

<https://energieinstitut-linz.typeform.com/to/LZh8RZ>



# IEA Bioenergy

**Michael Mandl**

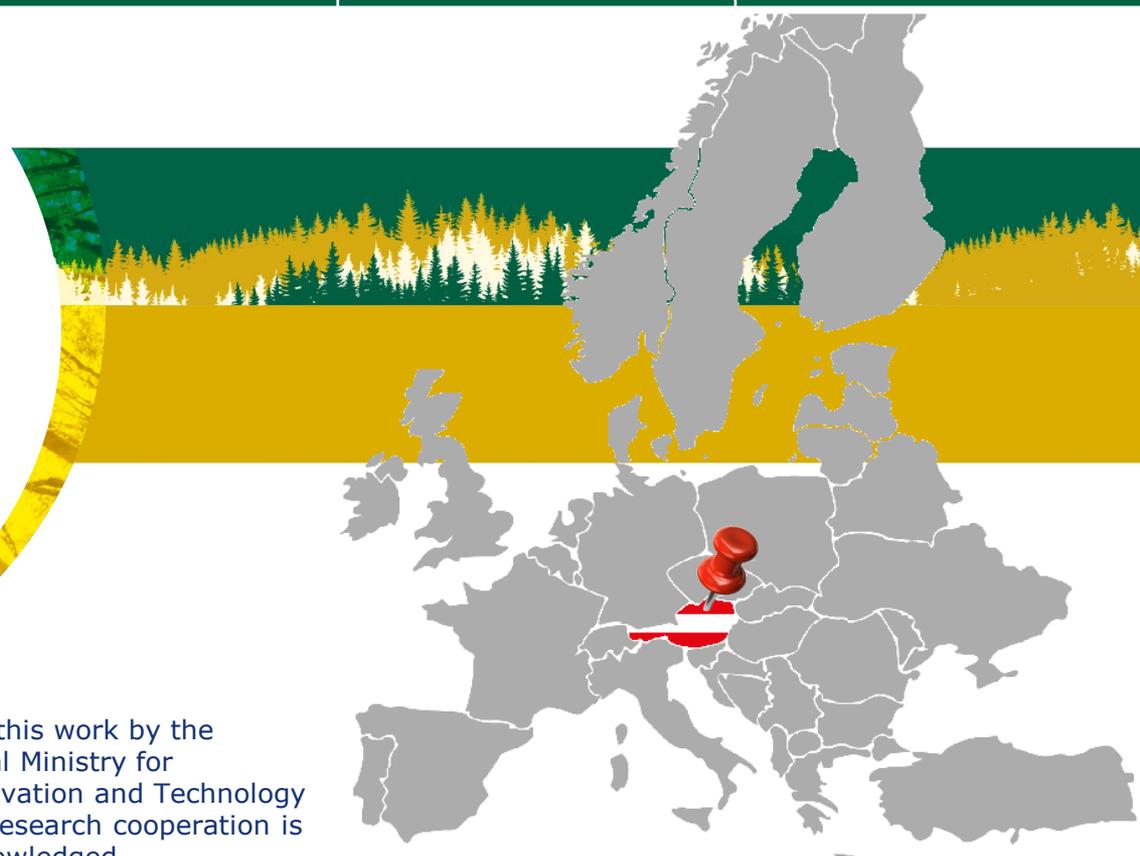
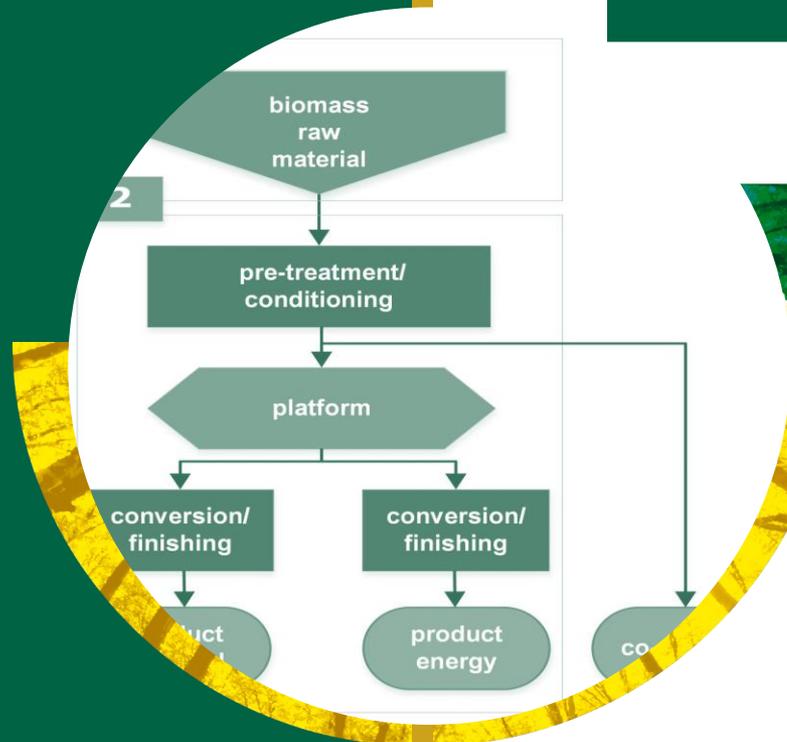
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