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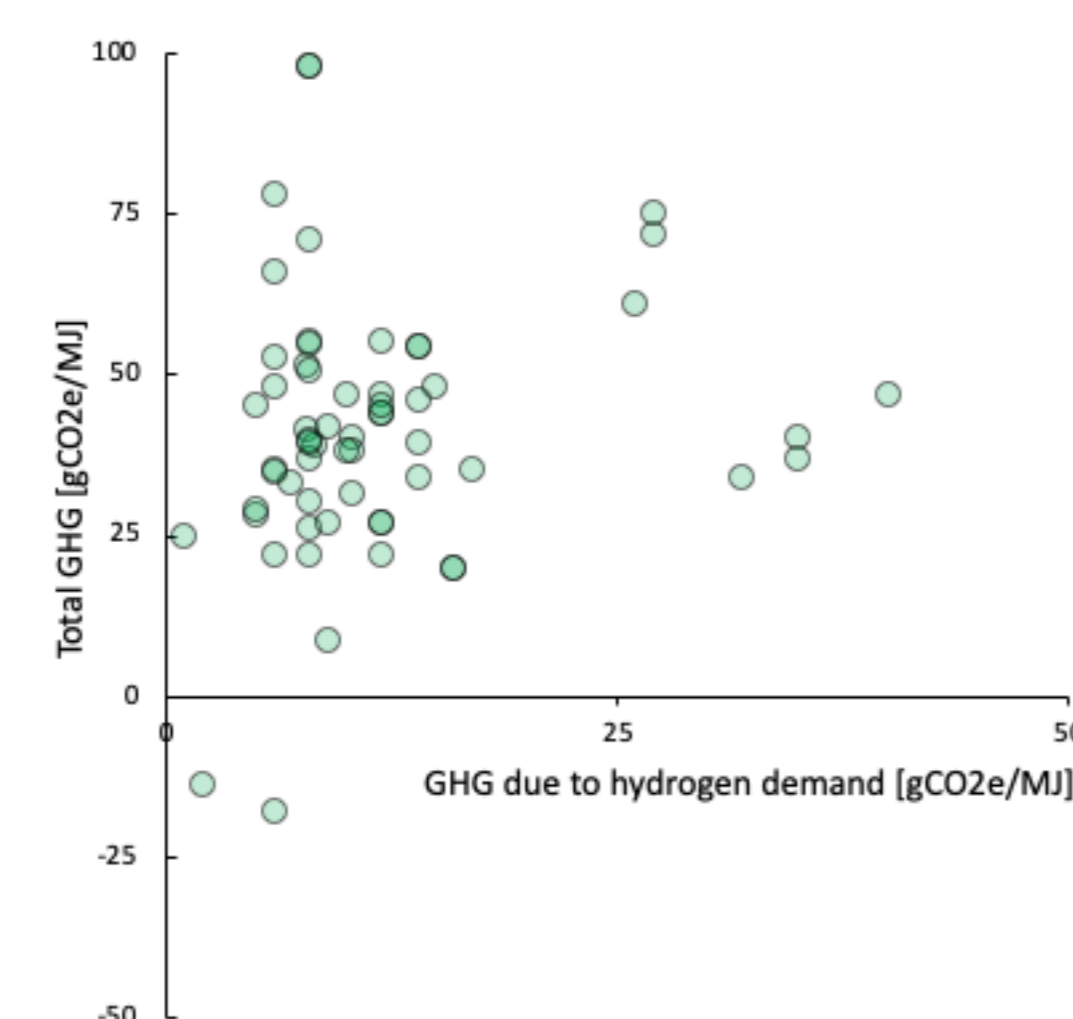
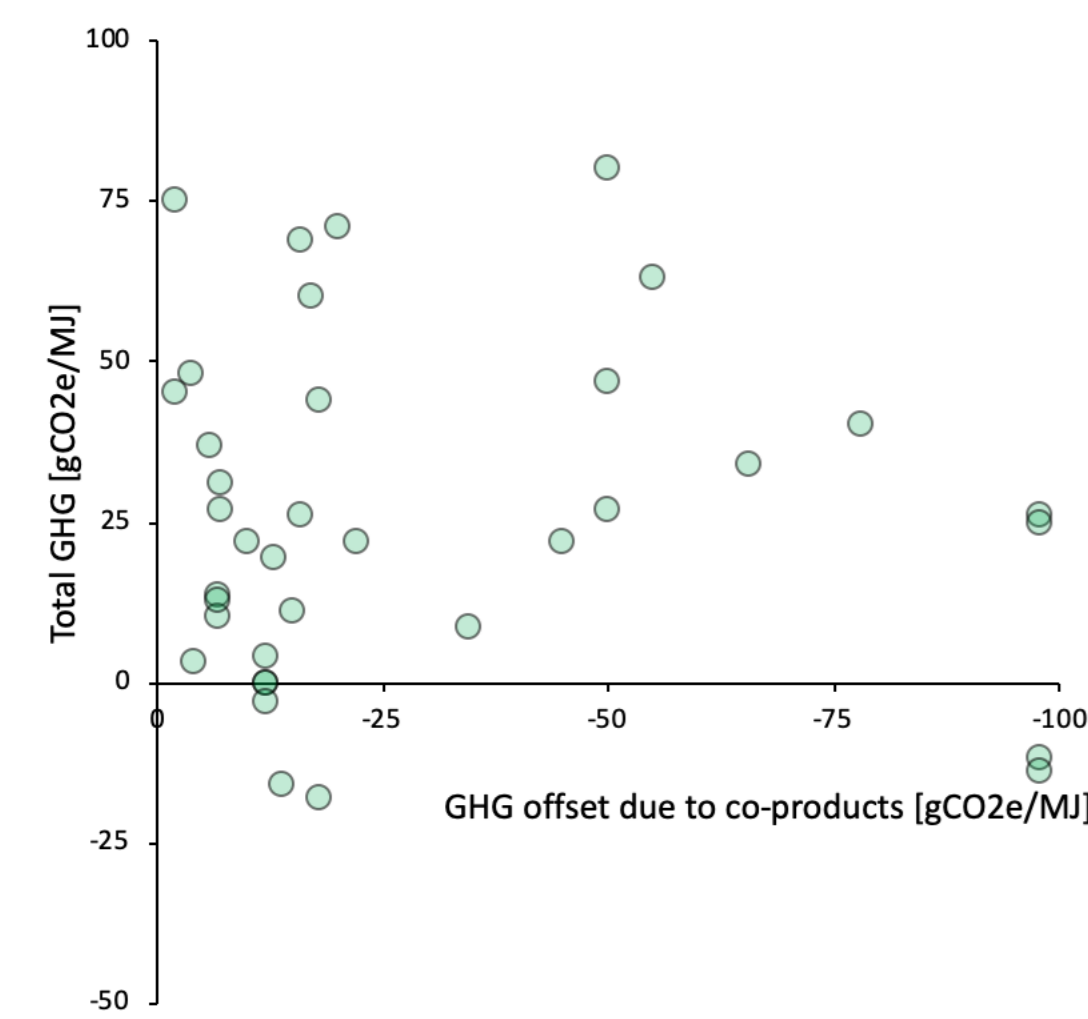
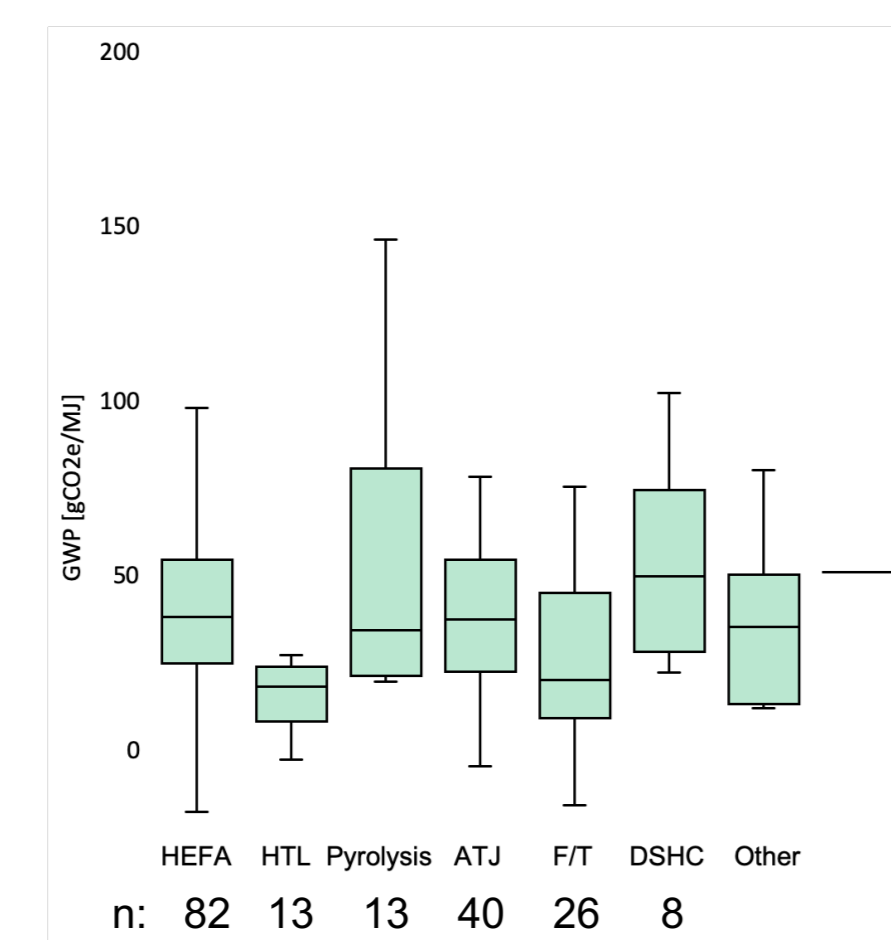
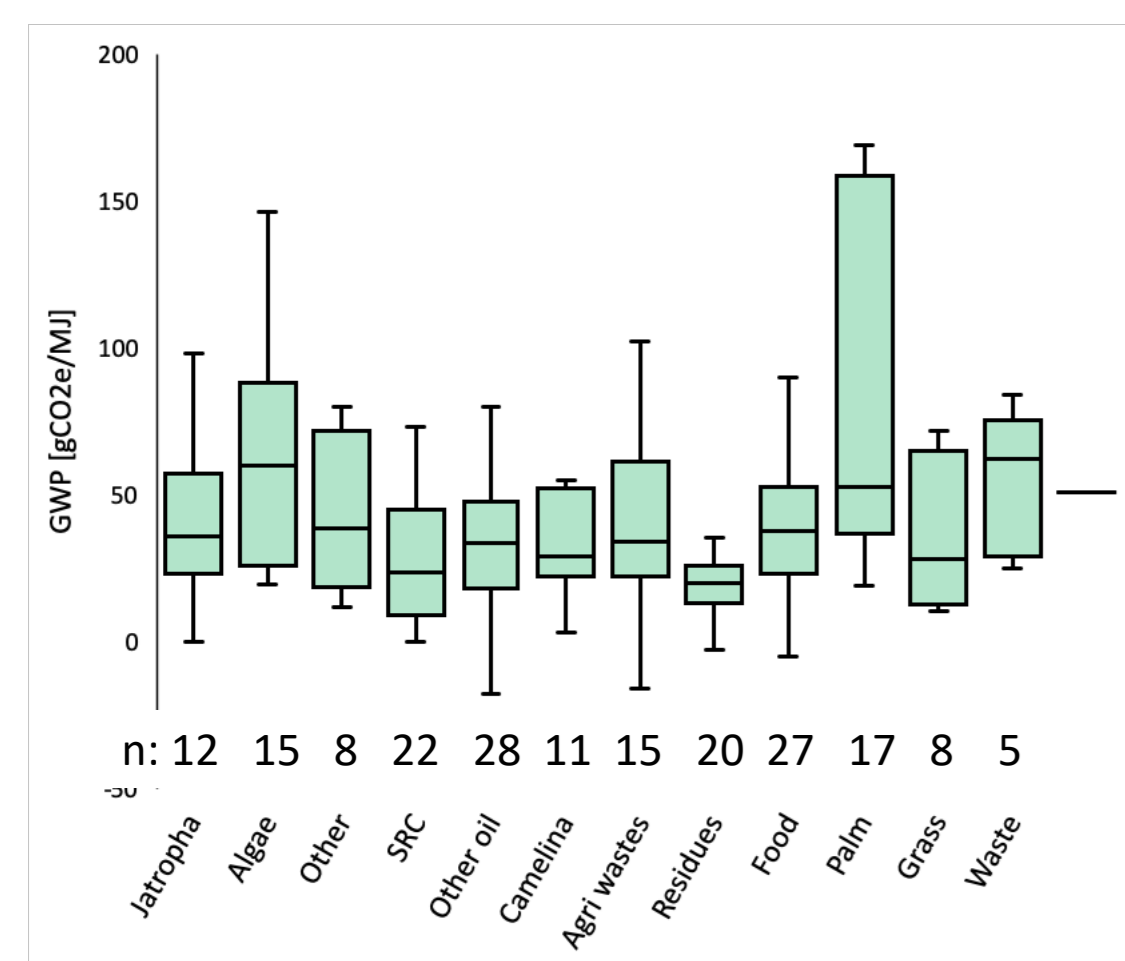
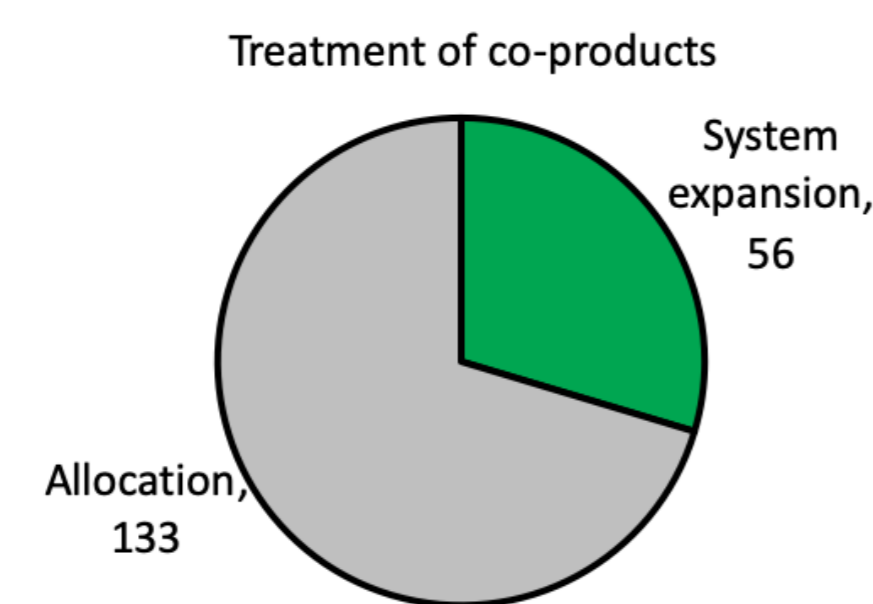
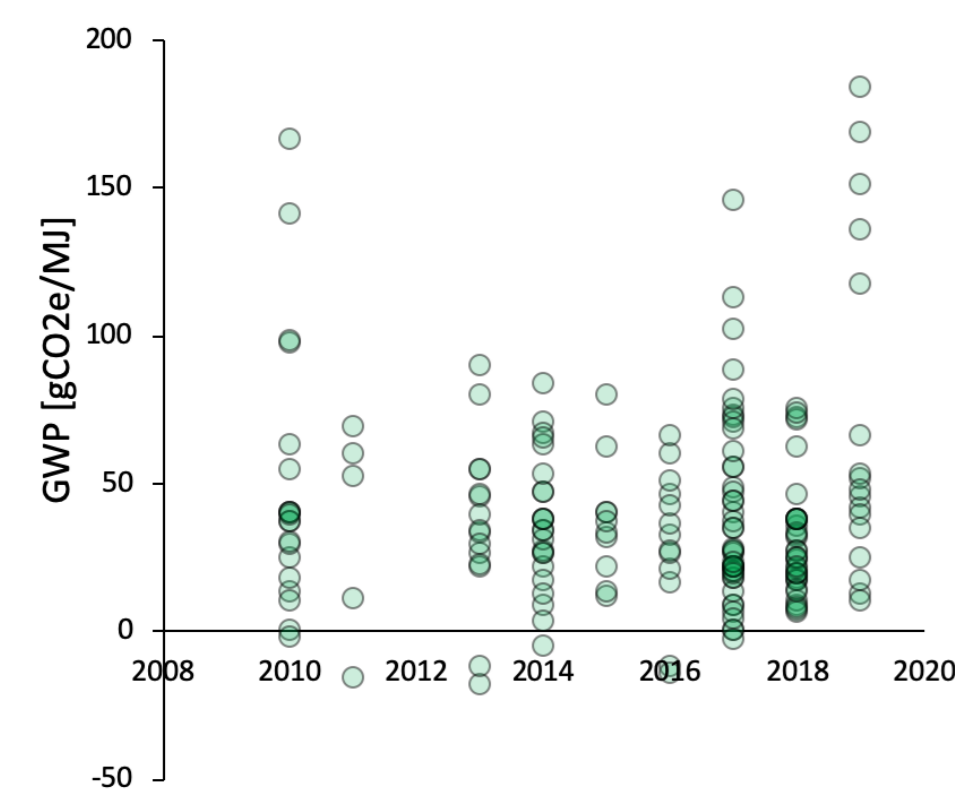
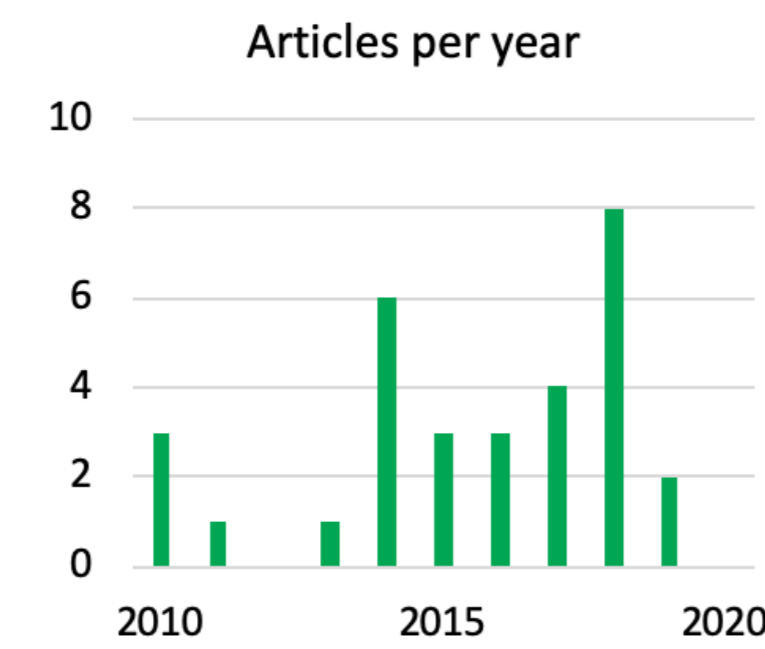
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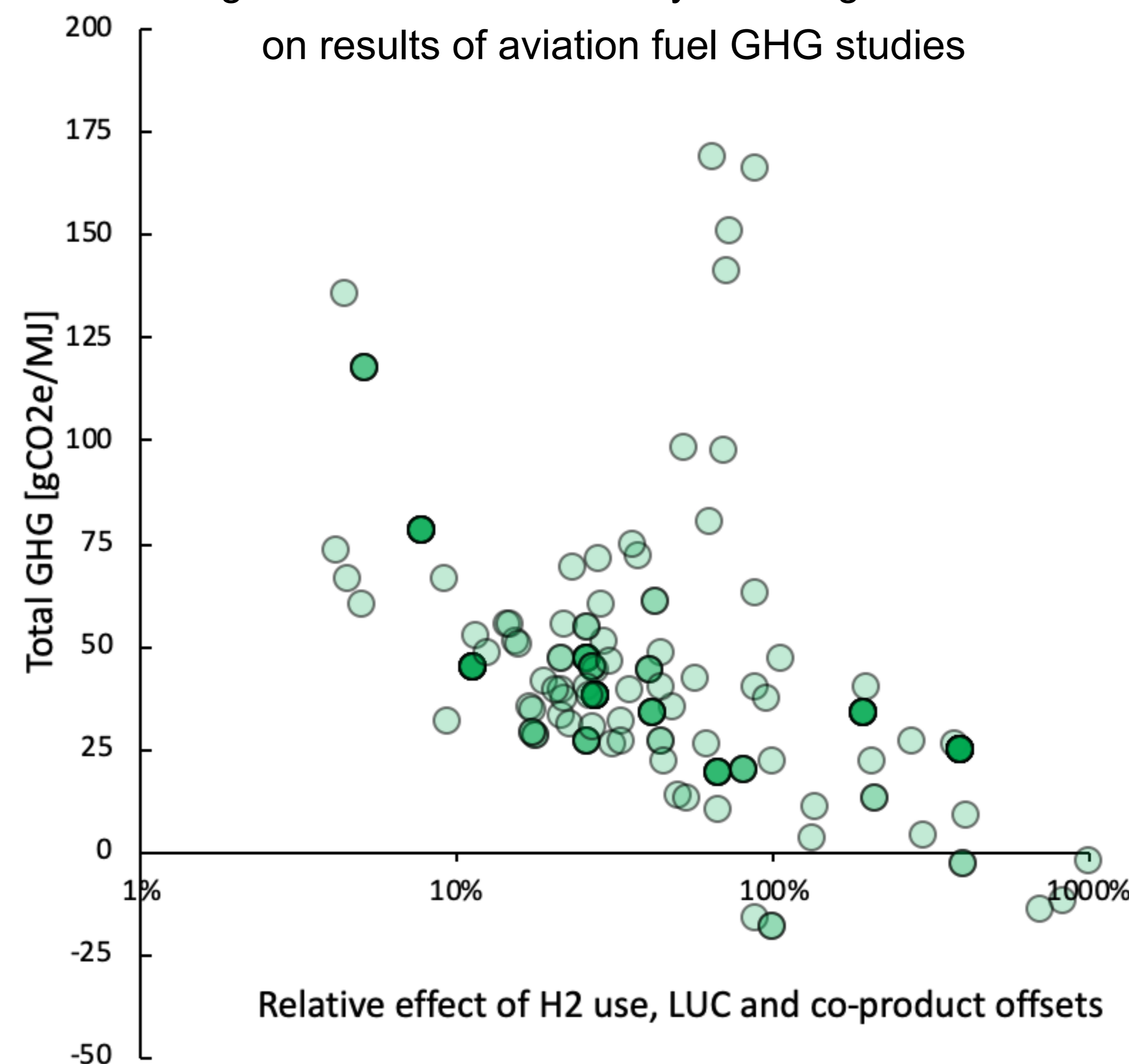
## Case study: Sustainable Aviation Fuel

Approximately 50 aviation fuel life-cycle GHG articles including almost 200 scenarios analyzed (converted to consistent scope and units)



# GHG assessment of biofuels should consider **future** projected conditions if used for long-term decision making

Significance of factors likely to change in future on results of aviation fuel GHG studies



## Key areas of sensitivity identified:

### Treatment of co-products

Will the value, utility and route to create co-products remain the same?

### Impacts of inputs

Notably hydrogen, electricity, heating and transport  
What will the impacts of these inputs be in the future?

Which impacts are harder to mitigate?

### Land Use Change

Applying land use change impacts consistently  
How might these impacts change at scale?

### Functional units

Biomass resources are a potential constraint.

*Possibly:*  
What is the most effective use of this potential?  
*rather than:*  
What is the best biomass option to meet this need?

