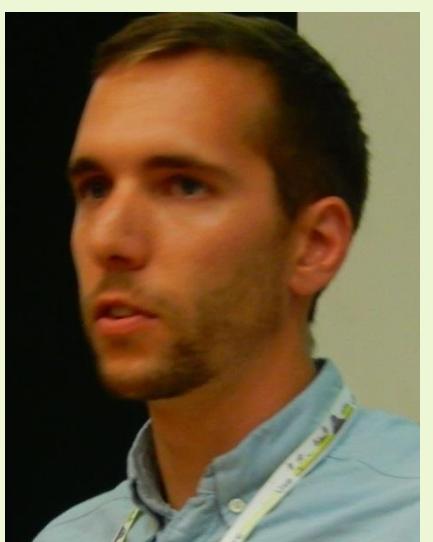




# The bioenergy potential of invasive plant species control



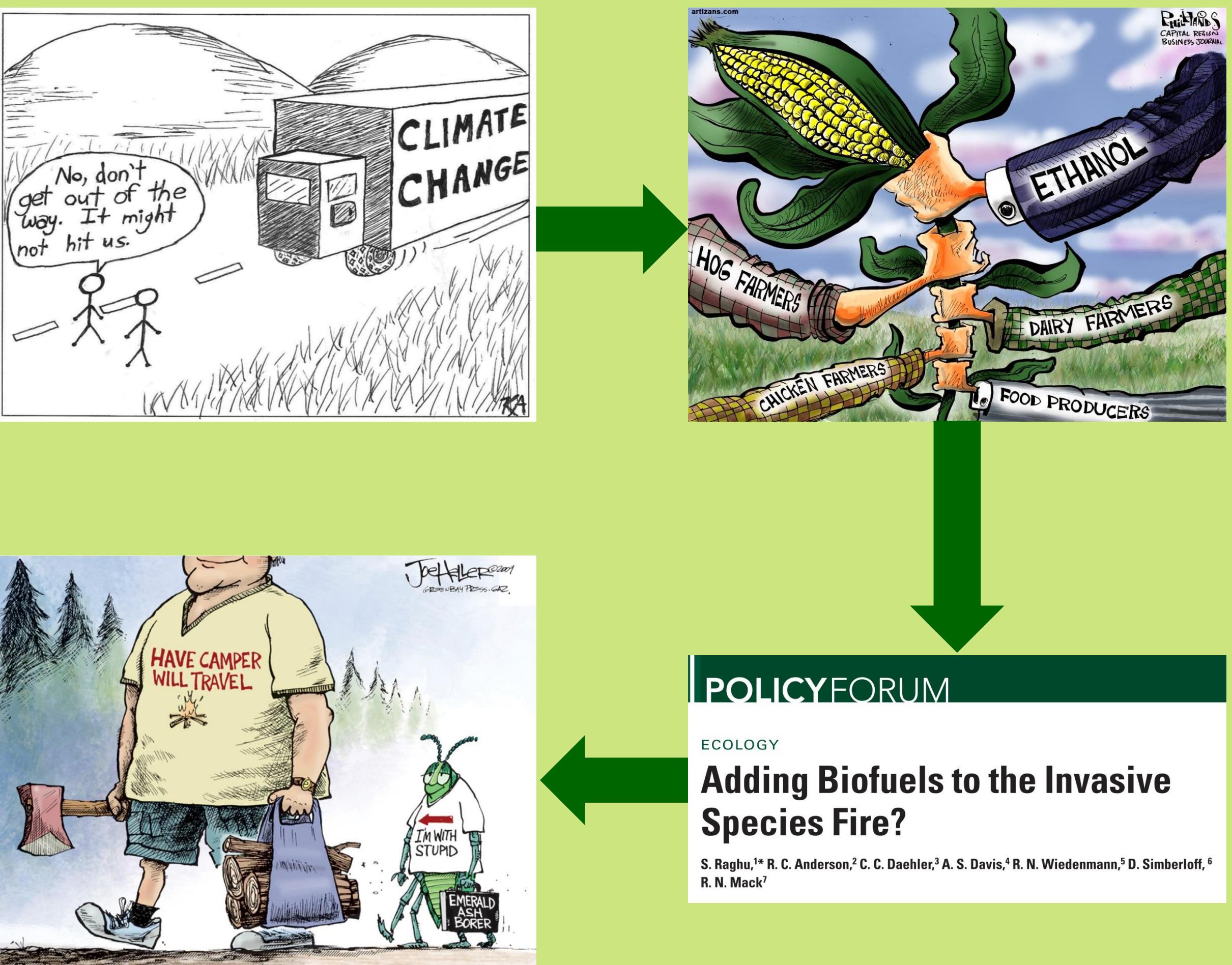
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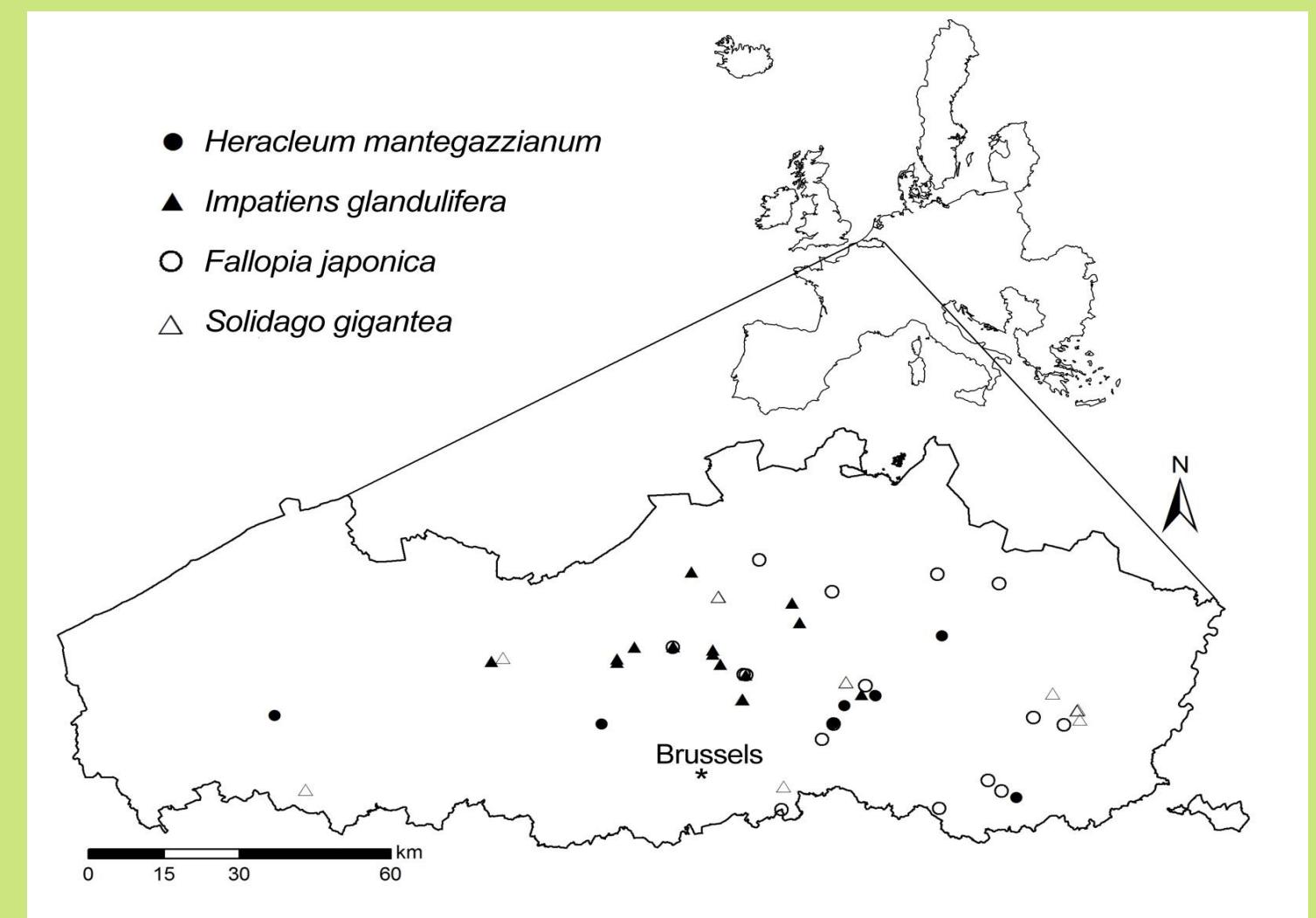
## Introduction



## Objectives



## Study area



## Study species



*Solidago gigantea*



*Heracleum mantegazzianum*



*Fallopia japonica*

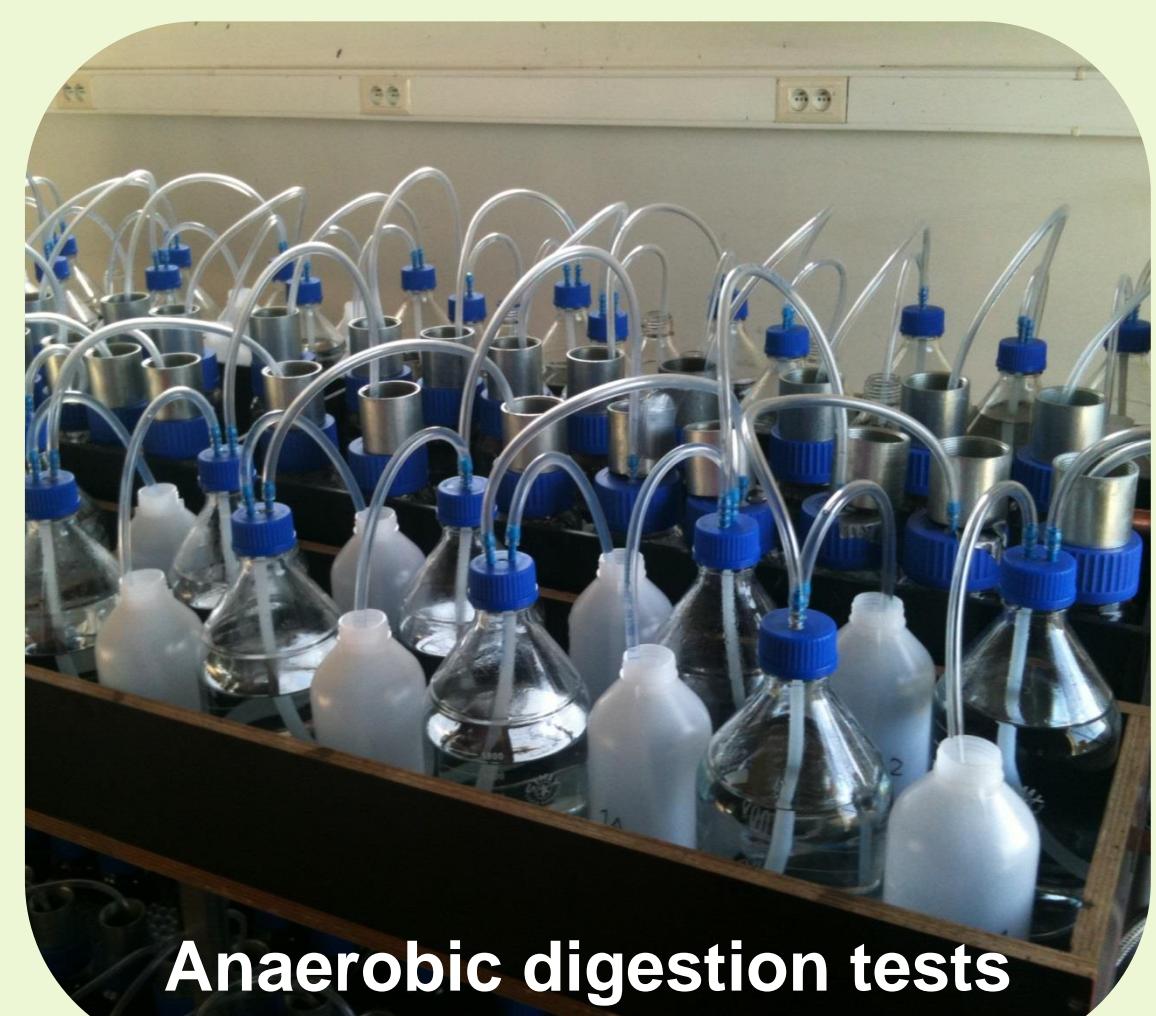


*Impatiens glandulifera*

## Methods



Biomass sampling



Anaerobic digestion tests

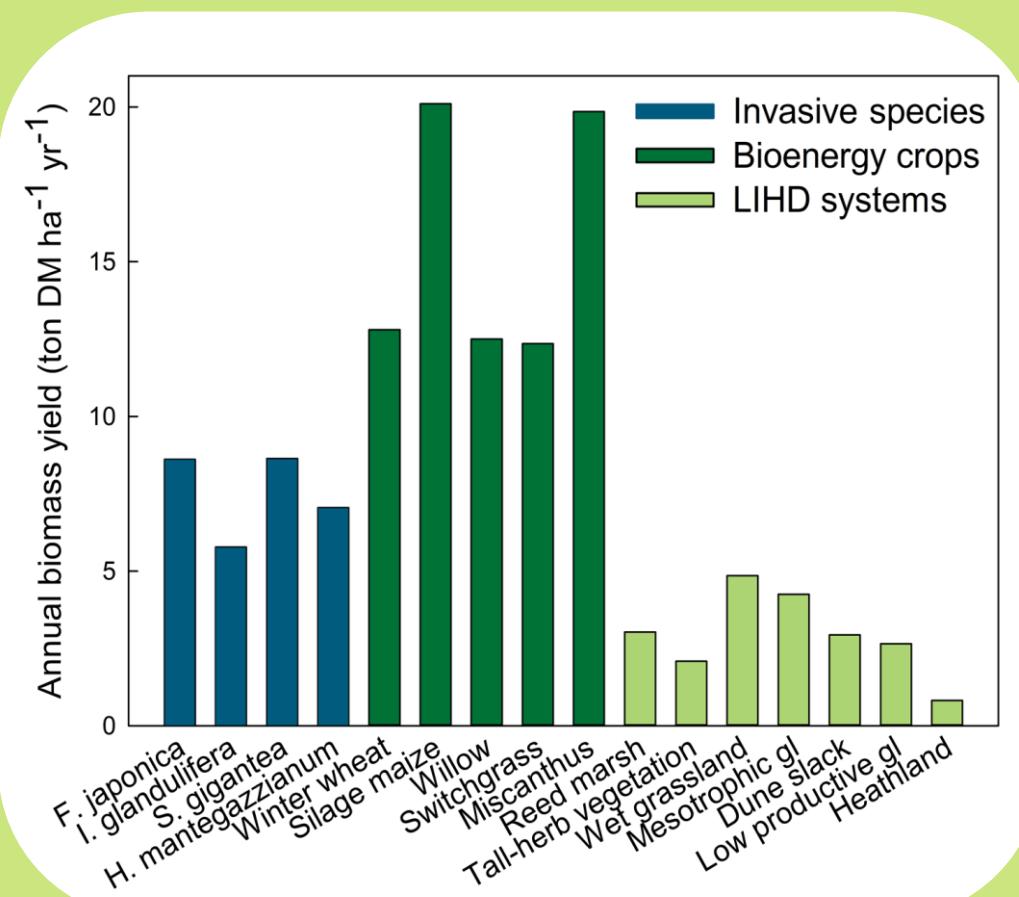


Combustion analysis

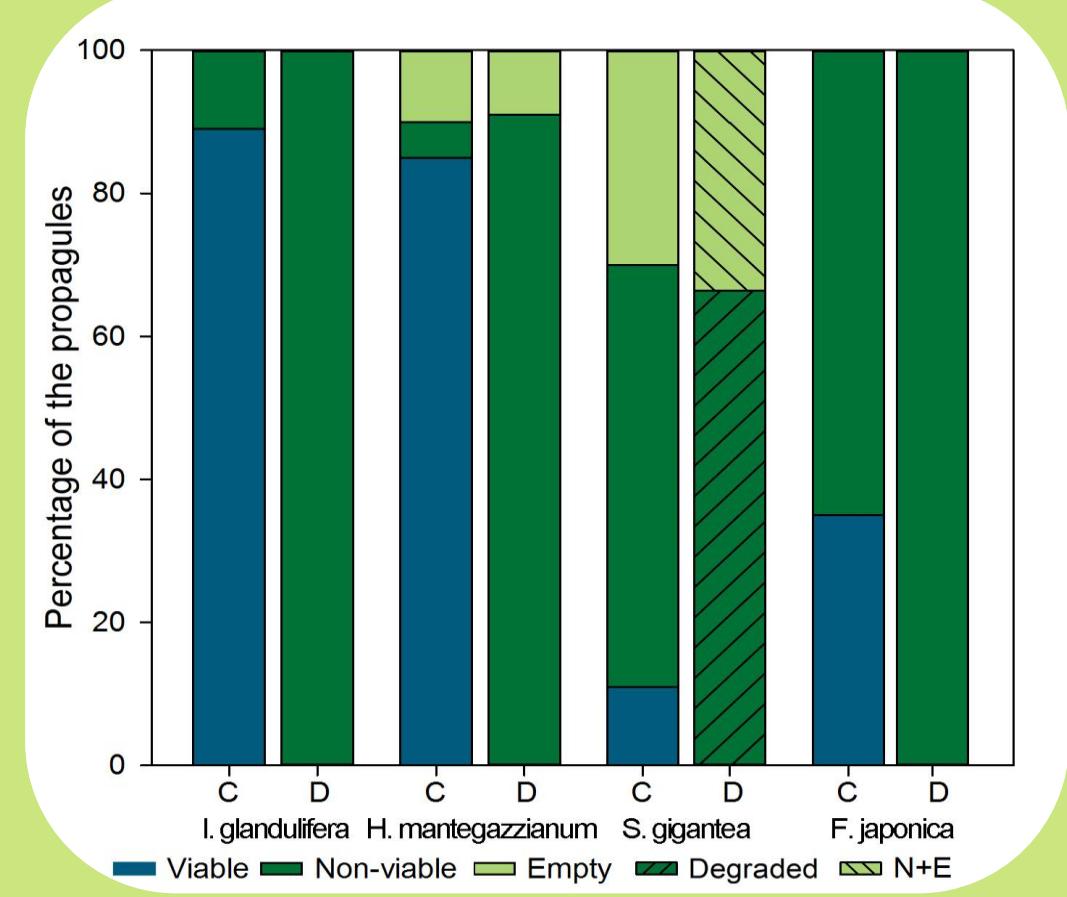
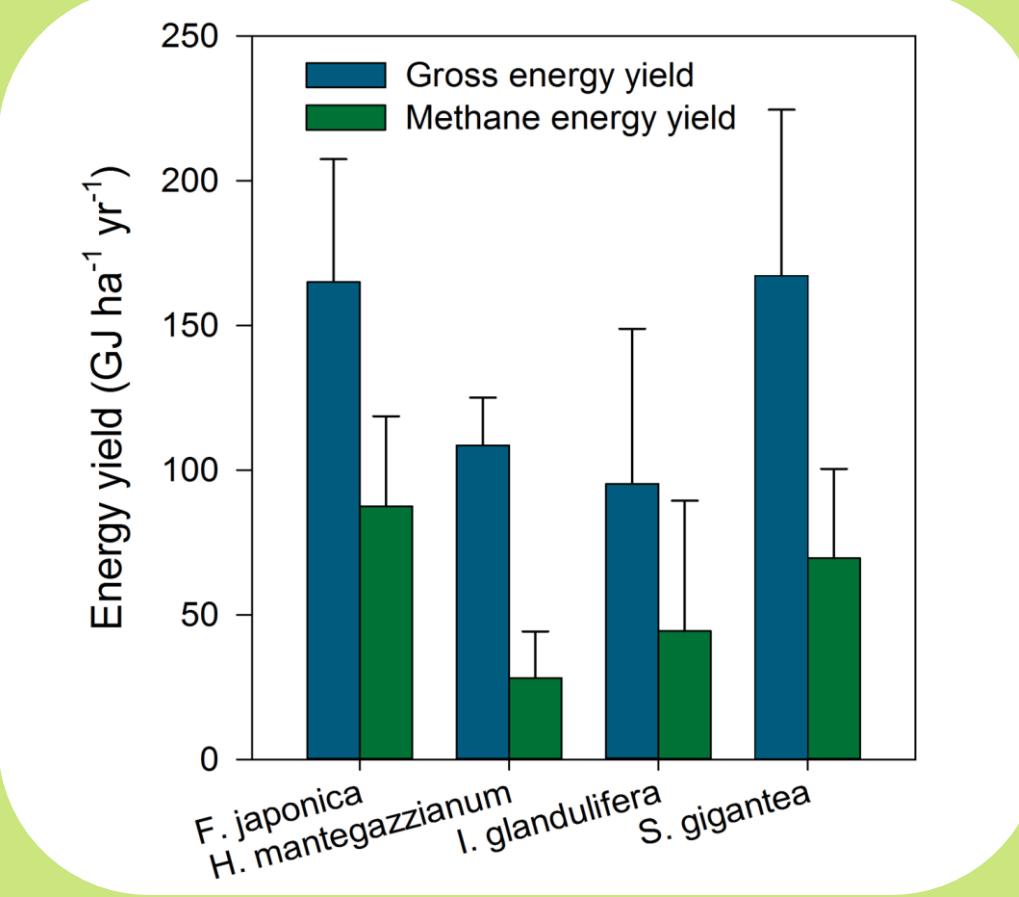


Propagule viability tests

## Results



Species	Methane yield ( $\text{L}_\text{N kg}^{-1} \text{ ODM}$ )	GCV energy efficiency (%)
<i>F. gigantea</i>	278.6 ± 64.7	53.1
<i>H. mantegazzianum</i>	138.9 ± 70.8	26.0
<i>I. glandulifera</i>	220.1 ± 165.5	46.6
<i>S. gigantea</i>	217.1 ± 59.2	41.7



## Conclusions



Suitable conversion technique



Dispersal risk limited



Lobby from industry?



Need for supply chain management