

Regional Roadside Grass Processing

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Abstract

Maintenance of roadsides produces bio mass. This bio mass is composted and then used as compost. This presentation explores the option to process the bio mass into Hydrogen or electricity, through Pyrolyse.

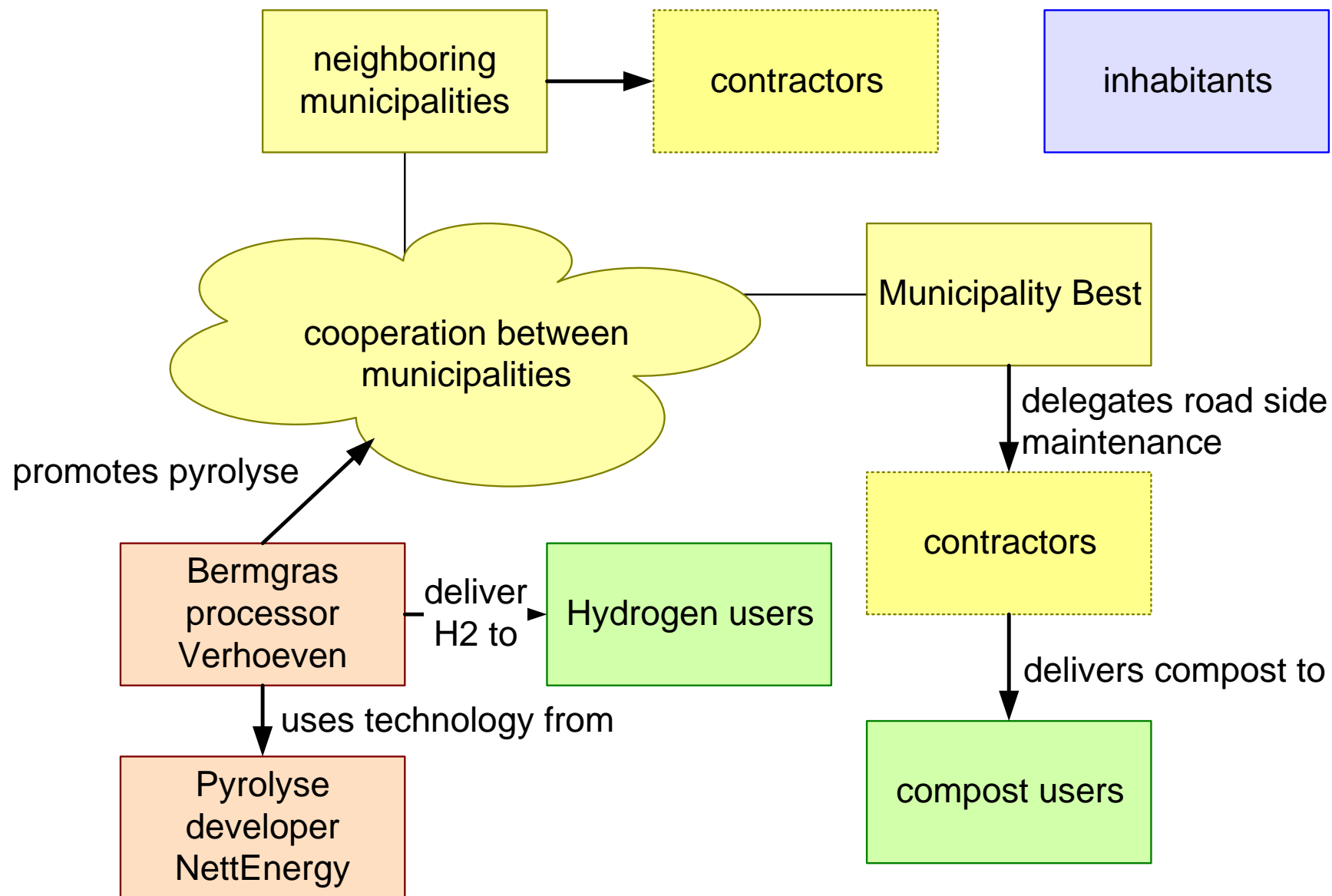
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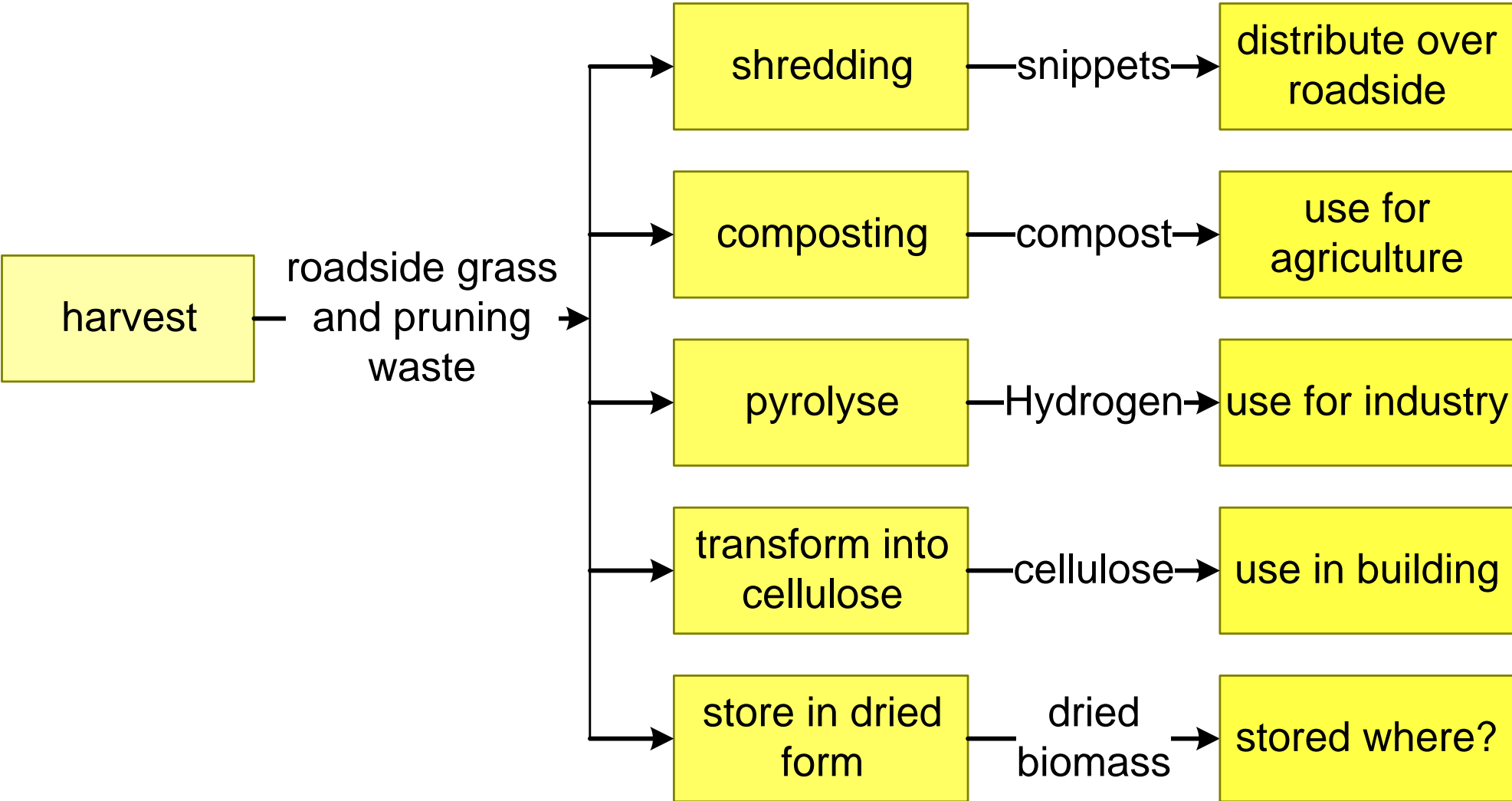
logo
TBD

Some of the Stakeholders of this Case

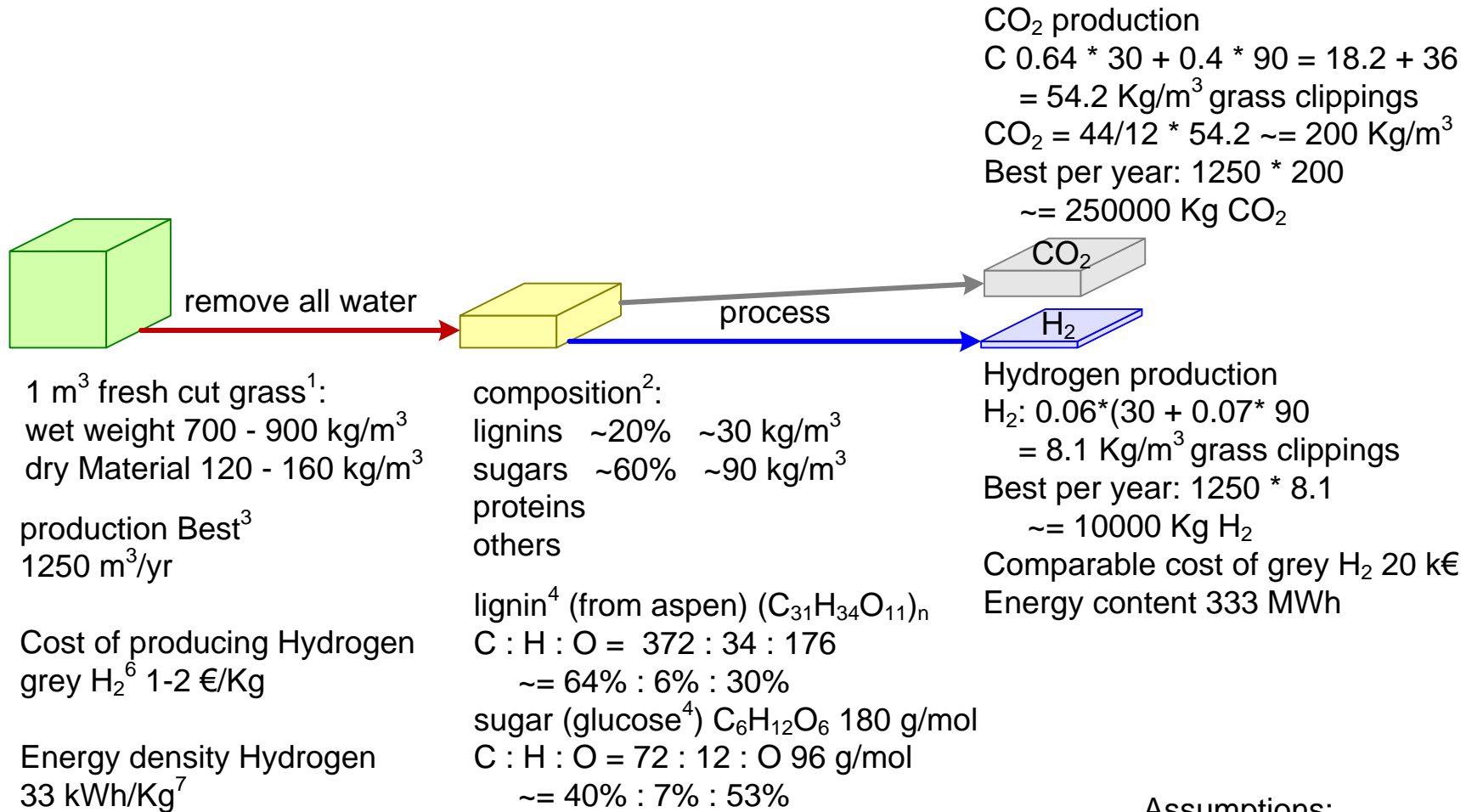


<https://innovationorigins.com/nl/selected/nieuw-project-zet-bermgras-om-in-waterstof-van-groenstrook-naar-groene-energie/>

Biomass Processing Options



Estimating Hydrogen and CO2 Production



- Assumptions:
- used the upper limits
 - 20% others and proteins ignored
 - 100% H₂ production
 - 100% of C into CO₂
 - no other costs estimated

¹ dairynz.co.nz/feed/supplements/density-and-storage
² estimate
³ municipality
⁴ <https://en.wikipedia.org/wiki/Lignin>
⁵ <https://nl.wikipedia.org/wiki/Glucose>
⁶ <https://www.missieh2.nl/nieuws/wat-bepaalt-de-prijs-van-groene-waterstof/>
⁷ <https://www.waterstofnet.eu/nl/waterstof/wat-is-waterstof>