



MOMENT

SAFETY ON SITE



Make sure that you can hear the fire alarm



Know what the fire alarm sounds like





Know locations
for fire
alarms,
extinguishers,
emergency
exits,
defibrillators
and muster
points

SAFETY IN OFFICE



Ensure confidential discussions are not overheard



Clean surfaces frequently



Make sure your workspace is ergonomically sound



Have an emergency and evacuation plan in place



Make sure your smoke alarms work



Maintain clear walkways and fire exist



Ensure adequate lighting in the room when you work

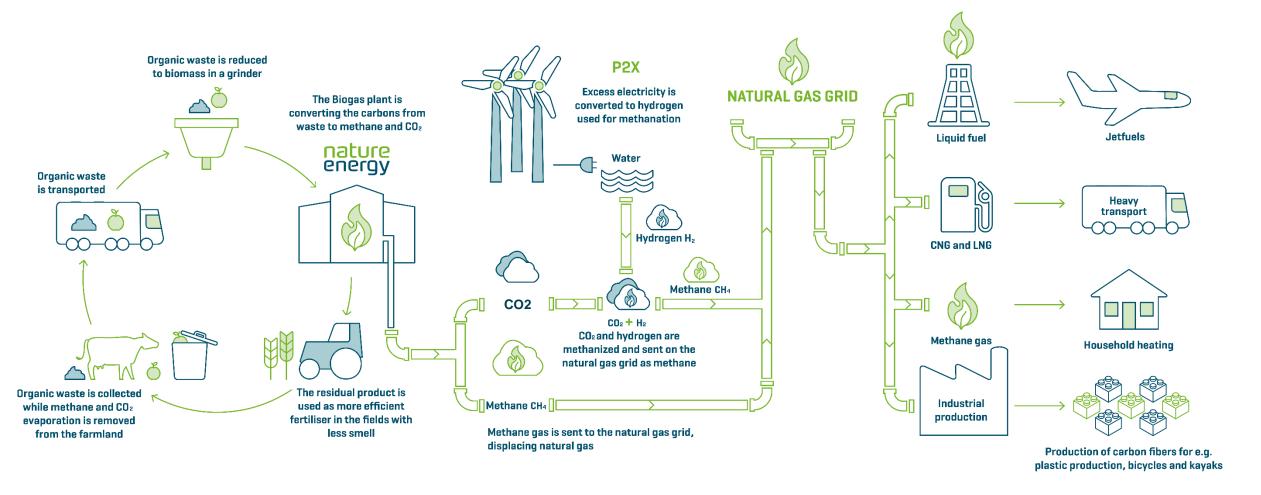
ON THE MOVE



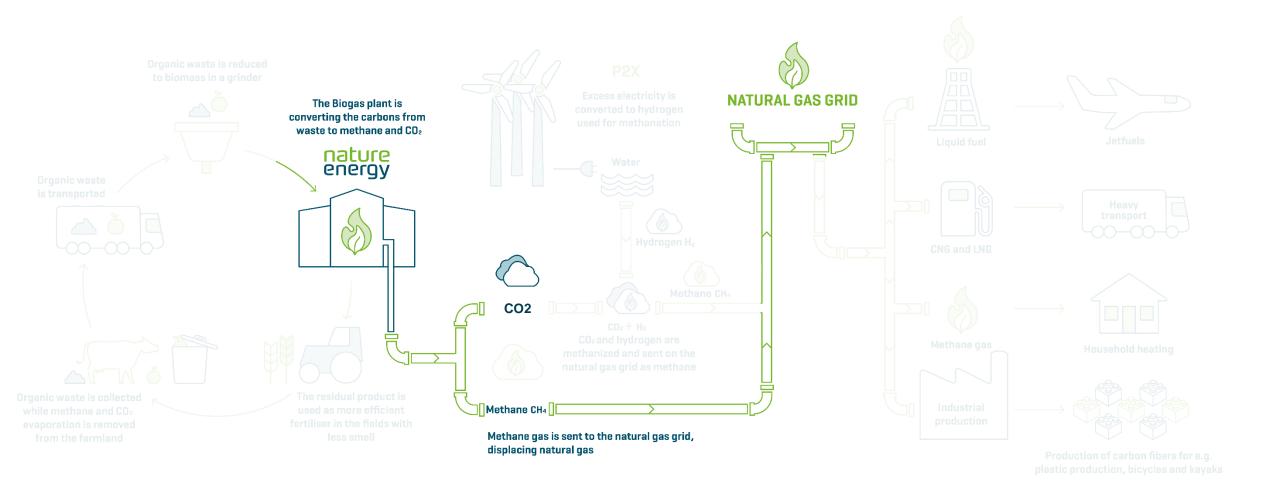
Do not take this calla or any other calla while driving - ever



Do not use any handsfree device -Bluetooth, built-in, etc. - whilst driving





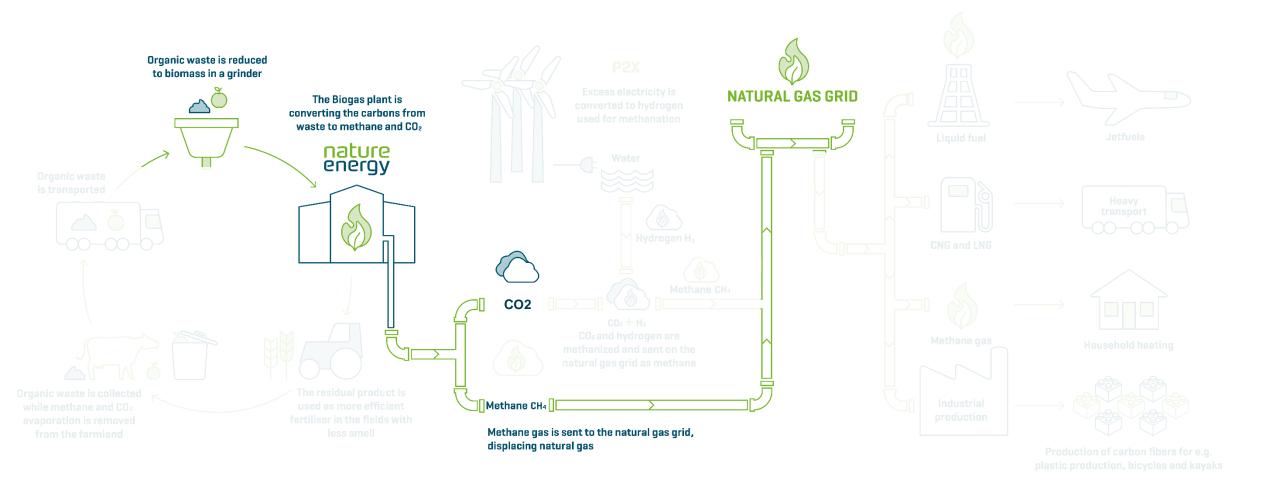




Biomethane is an awesome fuel

- Drop in substitution of a major fuel
- Infrastructure exists, locally, regionally and globally
- There is not enough, yet
- And it is, for now, more expensive than fossil gas
- If the willingness to pay was sufficient there would be much more



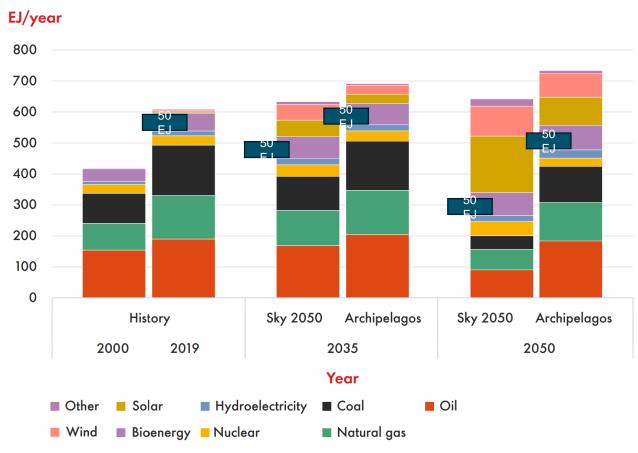




Biomasses are not endless

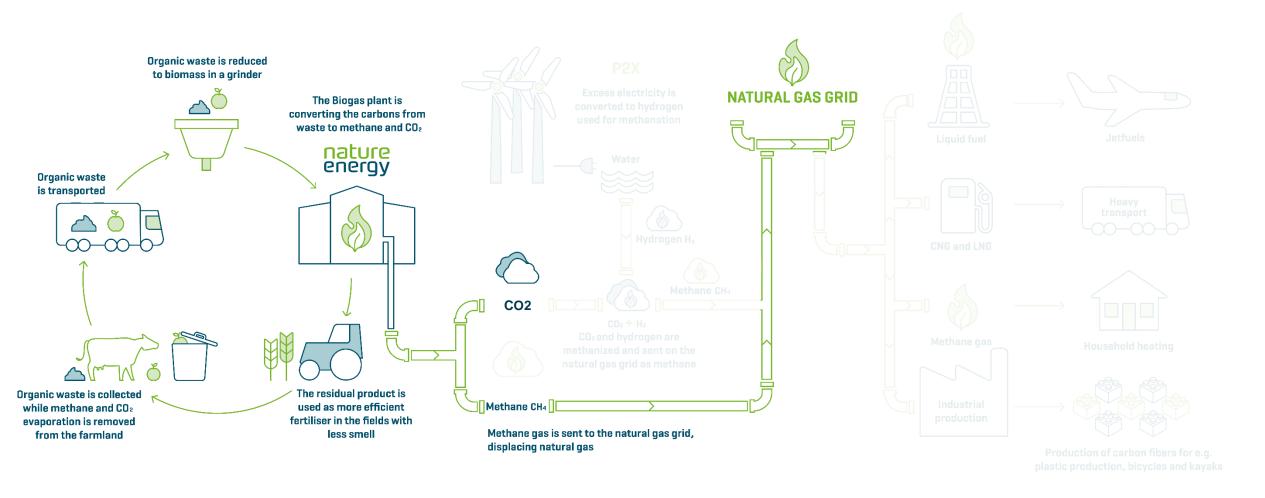
- Most bioenergy ressources are in play already
- We are not restricting what can be done with biomass because it is too expensive
- But because there is not enough, and what is left is expensive to manage
- Next step for biomethane production is integrating with waste streams, not just agriculture

Primary energy trends to 2050



Source: Shell Energy Scenarios, The Energy Security Scenarios



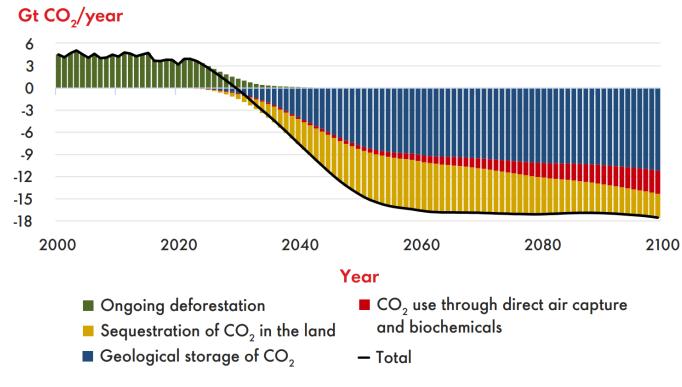




Land Use must adapt

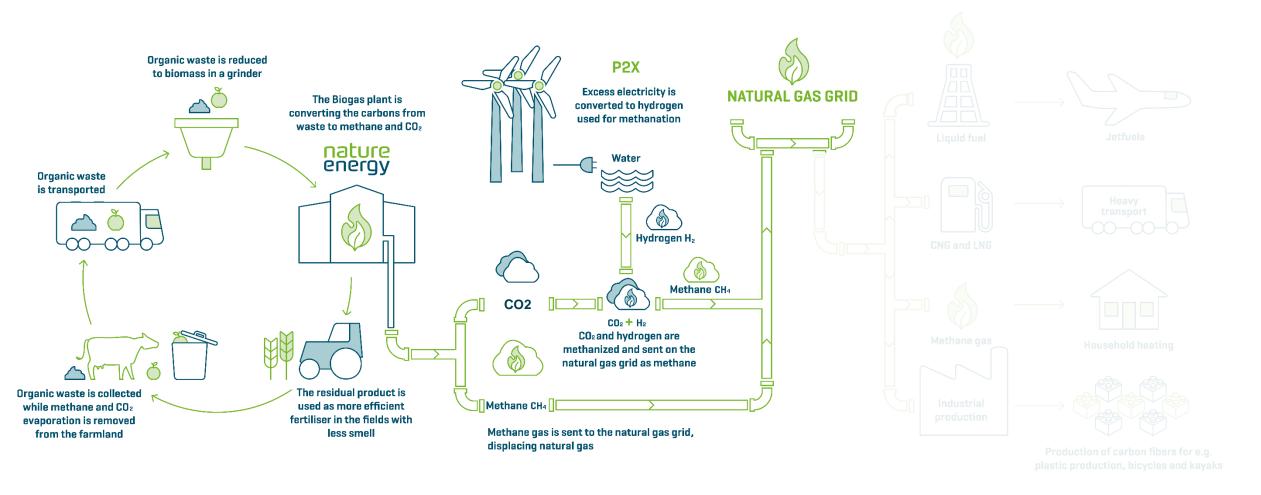
- Developing carbon sinks will be necessary
- Biochar and residues can improve agricultural land
- Increased return of nutrients to agriculture both reduces emissions from their production and improves yields
- Next step for biomethane is integrating with agricultural practices to help with land usage problems

Land use change and development of sinks – Sky 2050



Source: Shell Energy Scenarios, The Energy Security Scenarios



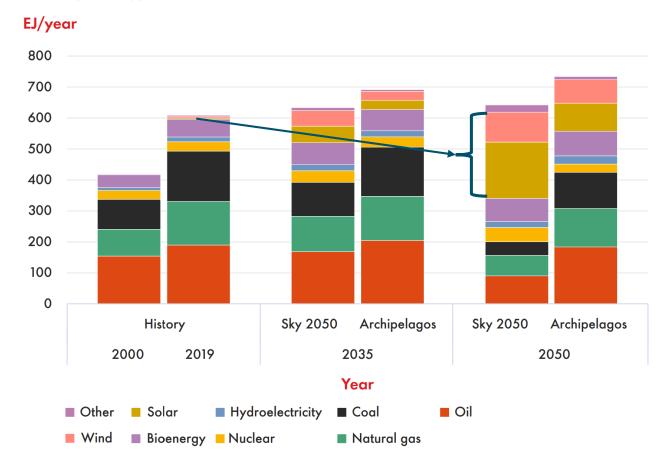




We are not running out of Electicity

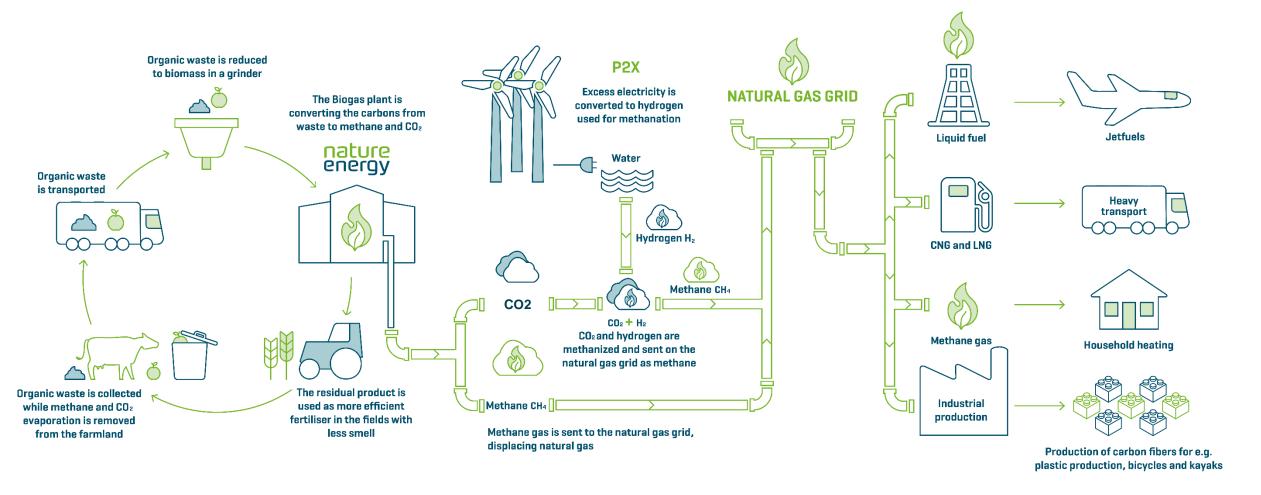
- Intermittent power is expected to be very abundant
 - And needs to find a consumer when there is too much
- We are however short on CO₂ that we can freely use
- We think eMethane is awesome
- But equally methanol, SAF, and other electric fuels requires a carbon molecule to carry Hydrogen
- Next step for Biomethane production is integrating with PtX either locally or regionally

Primary energy trends to 2050



Source: Shell Energy Scenarios, The Energy Security Scenarios

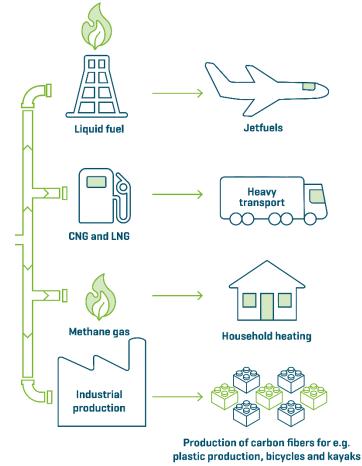






Markets and political objectives will determine the best end use

- Markets and political focus changes quickly
- The right market and it's requirements today will not be the same tomorrow
- This will bring changes from end users and regulation that must be adapted to quickly







THANK YOU FOR YOUR ATTENTION

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