

folvenGaard

WoodWorks

31.10.2023

Dag Hjelle

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- Founder Folvengaard AS 2019 –
- Founder Purecut Technologies AS 2020 –
- Biosyntech AS 2023 (SCP) –
- Founder PhotonFlux Ltd. 2022 UK -
- 2019 - Medical and Market Advisor to medical and pharma companies in US, UK, Norway, Netherlands and Switzerland
- 2003 – 2019 Brigadier General: Chief medical officer, Acting Surgeon general Norwegian Armed Forces
- 2016-2020 Oslo University Hospital; (Rikshospitalet) Scientific Advisor Big data and High Performance Computing in Medicine
- 2012-2019 National representative and voting member NATO Science and Technology Organization, medicine and human factors. Mentor NATO research projects Big Data and Genomics
- Education:
 - US Army Medical Strategic Leadership Programme
 - Norwegian Defense University College Strategic Leadership course
 - Medicine, MD, Specialist in community medicine
 - Biology (molecular biology / biotechnology)
 - Mathematics and Chemistry



Understanding the Change

Ambiguous, Complex, Rapidly Changing Operational Context



Space



Demographics



Climate Change



Economics



Resources



Use of Technology



Proliferation of WMD

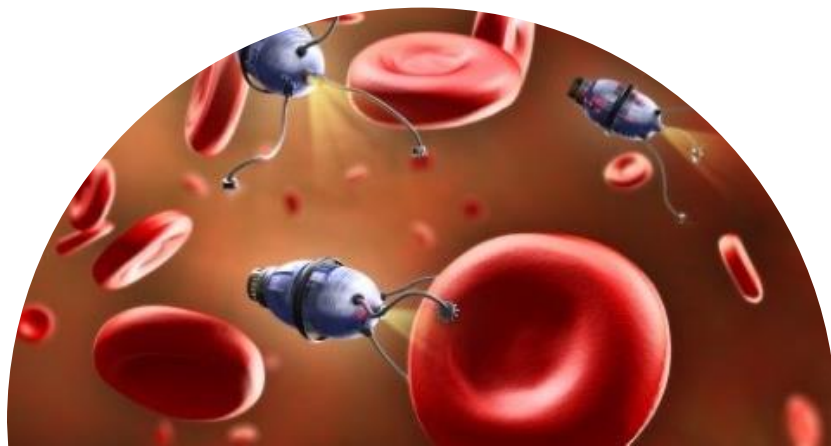
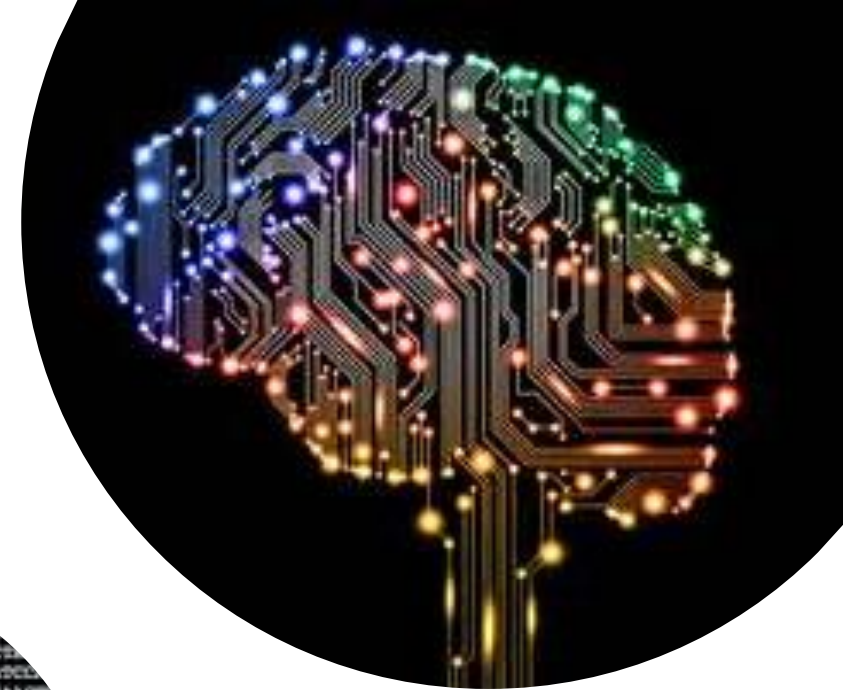


Globalisation



Cyber

- Biologi (Biologiens århundre)
- Informatikk
- Implikasjoner
 - Ressurs og økonomi
 - Sikkerhet (makt og maktesløshet)
 - Finans- og eierskap
 - Industri og næringsutvikling



A photograph of a traditional log cabin in a dense forest. The cabin is built from dark, weathered logs and has a roof covered in moss and small plants. The surrounding forest is lush with green trees and undergrowth. The text 'Norge gror igjen og til slutt råtner trærne...' is overlaid at the top in white.

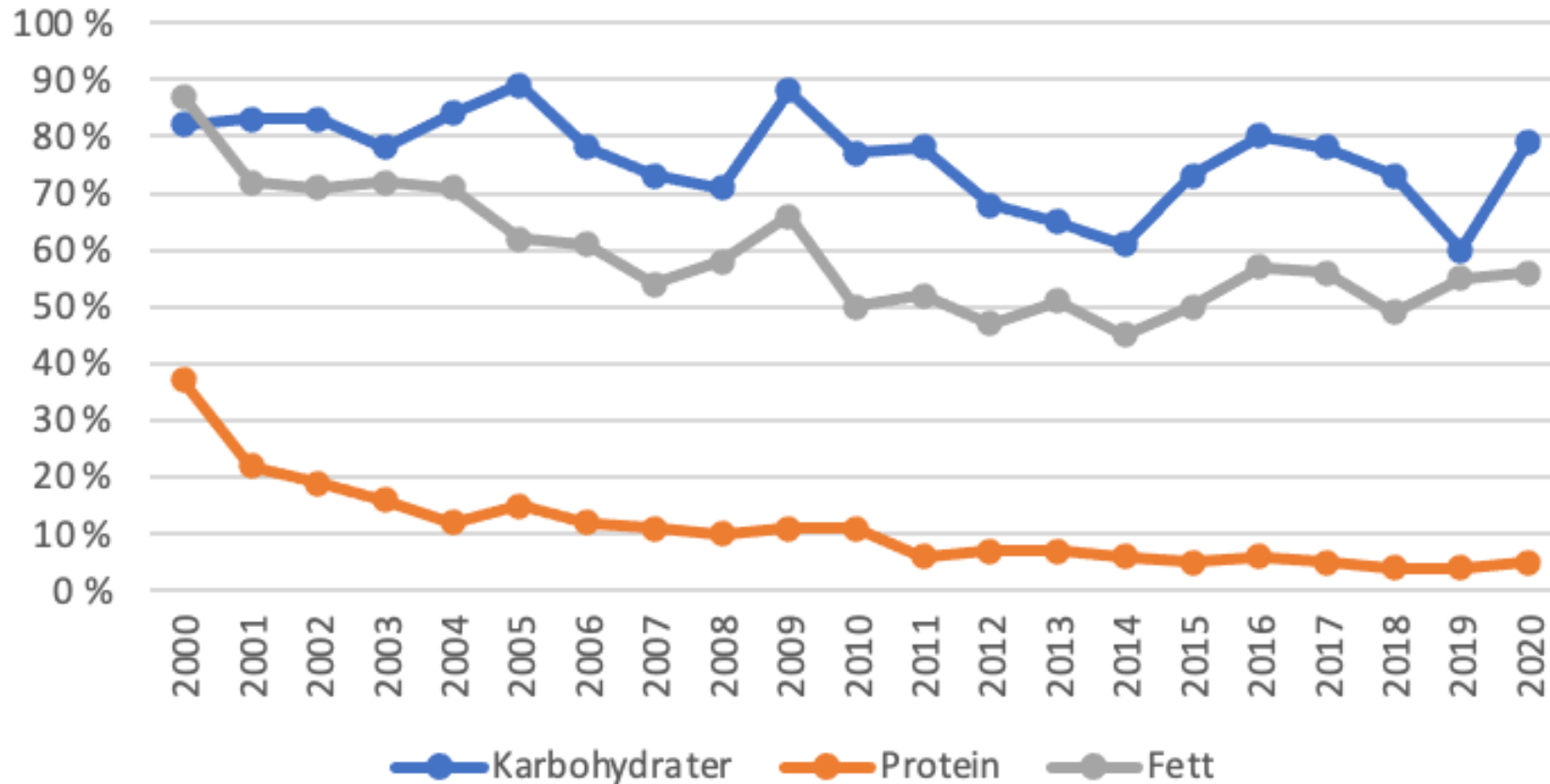
Norge gror igjen og til slutt råtner trærne...

- Problem...

eller løsning
på et problem?

A National (and European) challenge!

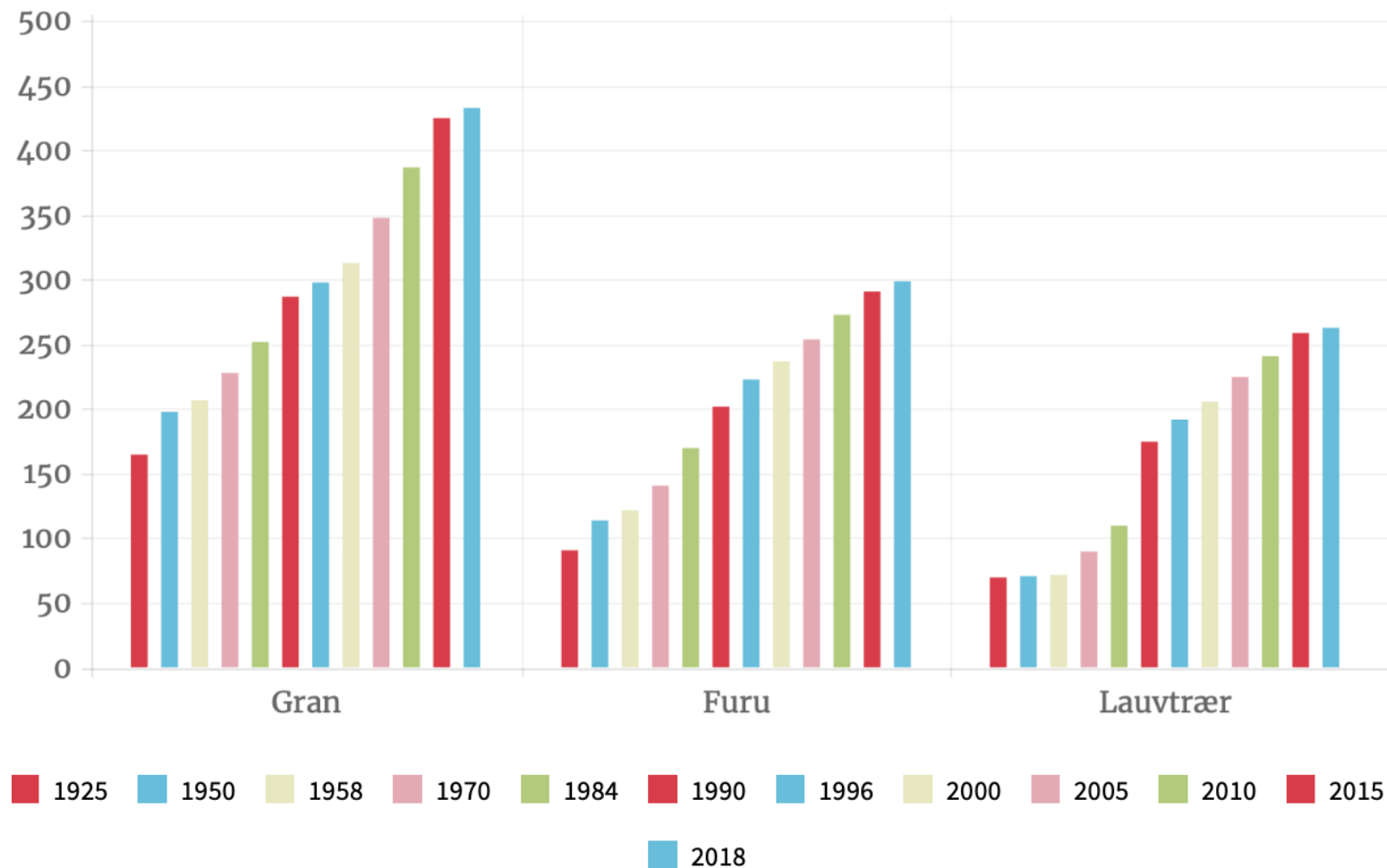
Selvforsyningsgrad Norge 2000-2020



Hurdalsplattformen:

Legge fram og gjennomføre ein opptappingsplan for trygg matproduksjon på norske ressursar og setje eit mål for sjølvforsyningsgrad av norske jordbruksmatvarer, korrigert for import av fôrråvarer, på 50 prosent. (s.19)

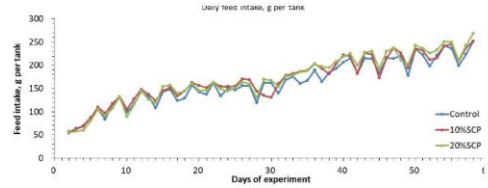
1 bn m³ biomass — 3x in 90 years!



7

Stående volum uten bark i Norge i perioden 1925–2018 oppgitt i millioner kubikkmeter. Kilde: Landsskogtakseringen

Research concessions and pilot plant next

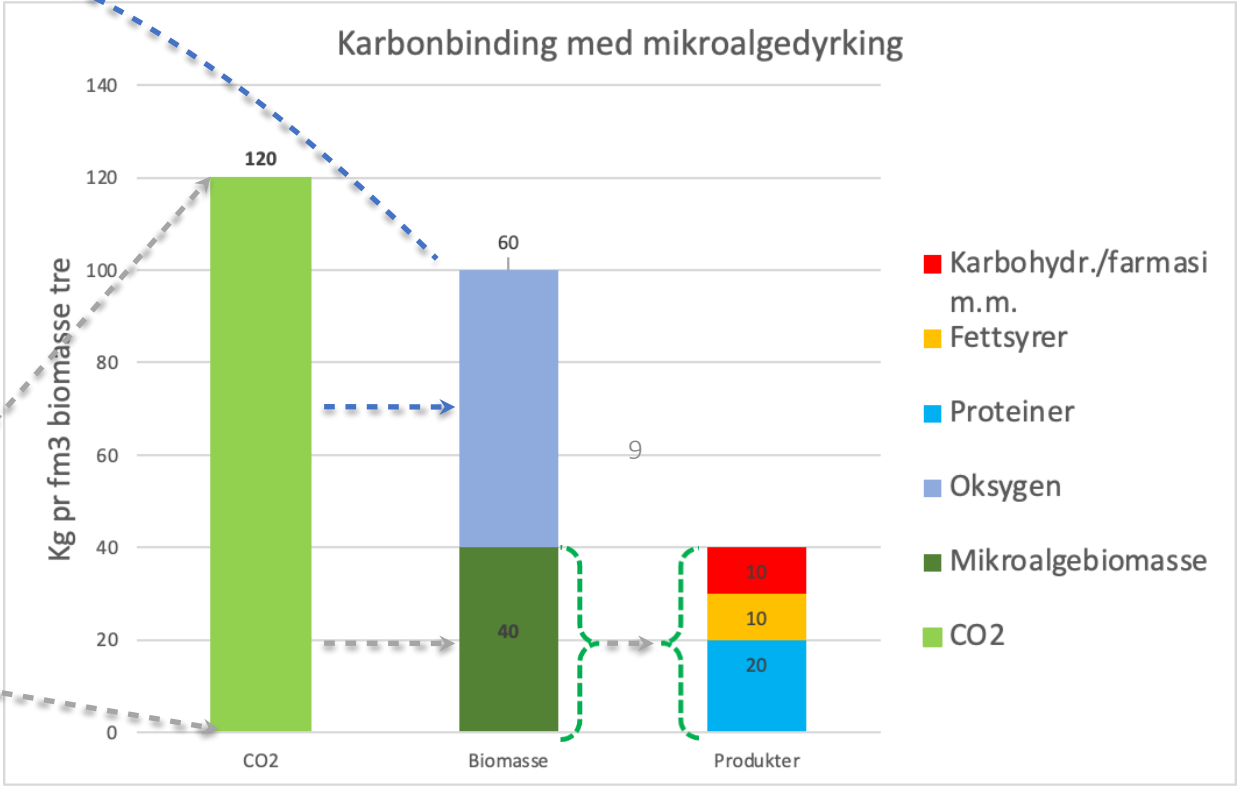
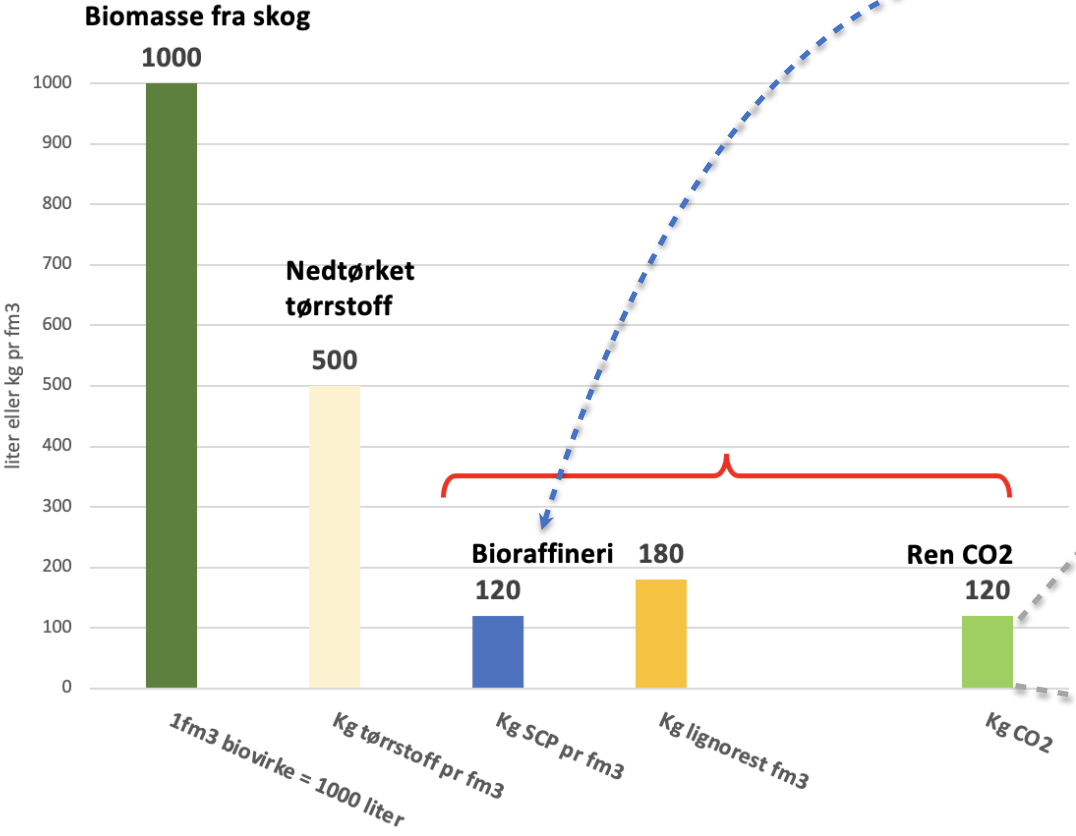


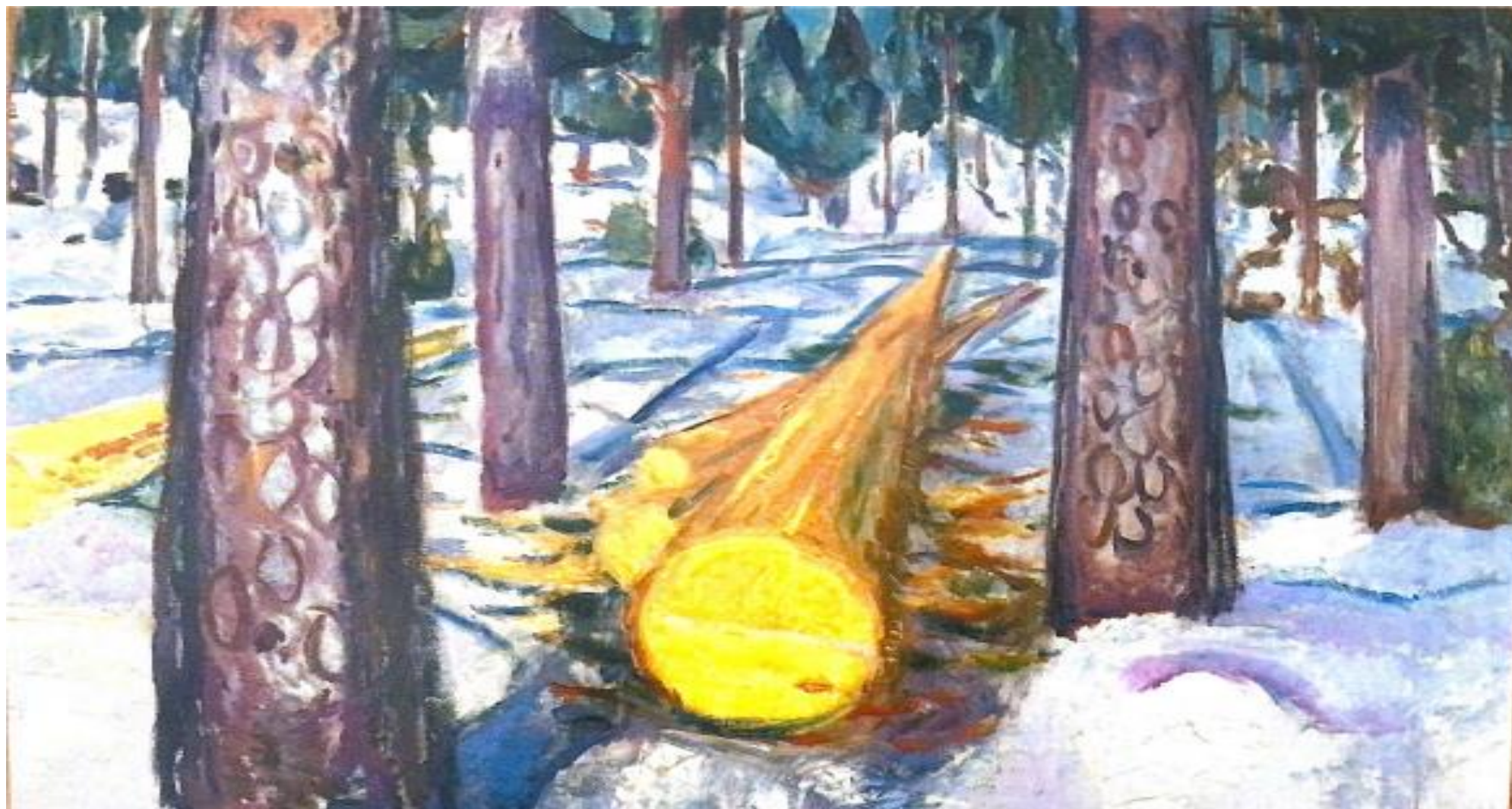
Foringsforsøk viste gode resultater på vekst sammenliknet med referansefôr.

Høy råstoffutnyttelse og symbiose

oksygen i retur

karbonfangst





Kontakt oss

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