

CCS vs CCU

Pasi Vainikka

Principal scientist, VTT Technical Research Centre of Finland Ltd
Adjunct professor, Lappeenranta University of Technology, LUT

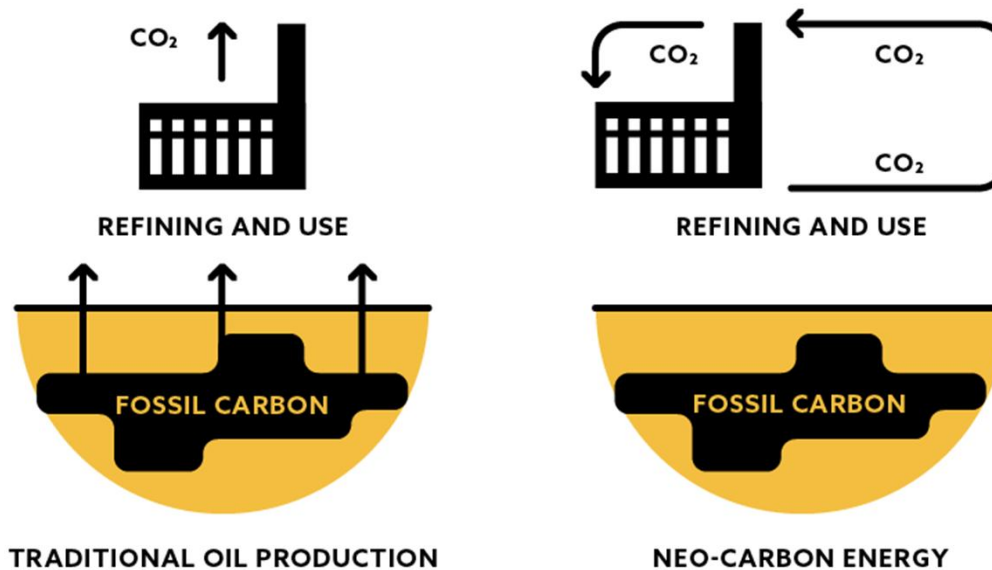


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EUSEW 2017

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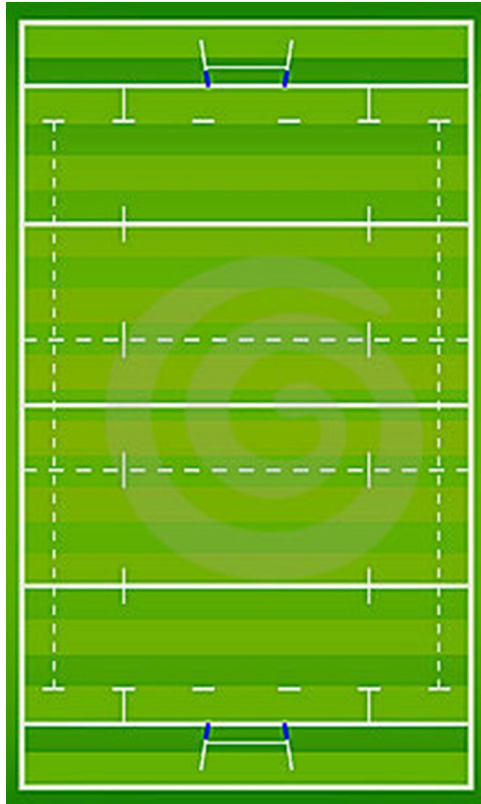
CCU main target: keep fossil carbon in the ground



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CCS

Rugby field

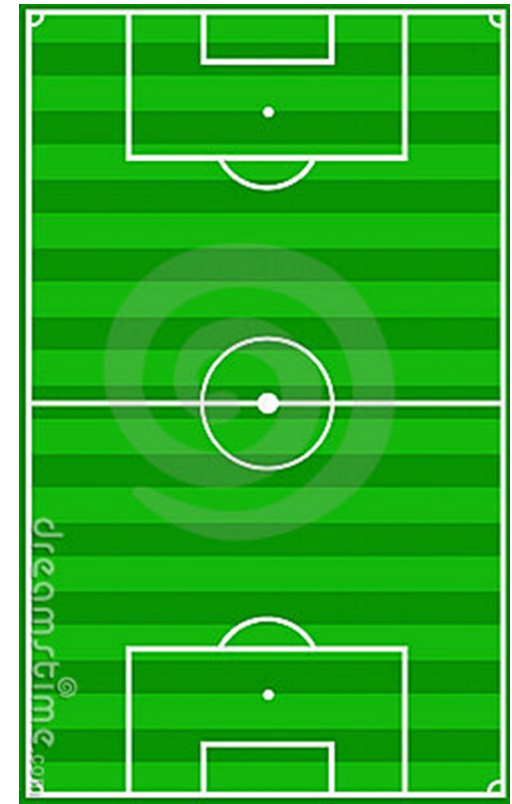


- Fossil carbon is explored
- Carbon enters the anthropogenic system as an energy carrier
- Re-using CO₂ may have benefit as a displacing function if renewable power is used in re-powering
- The CO₂ generated must finally be put back in the ground – thus needs CCS

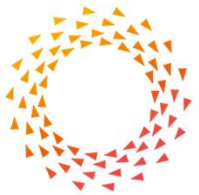
VS

CCU

Football field



- Fossil carbon is kept in the ground
- Carbon (CO₂) does not contain useful energy
- A full circular carbon economy can be achieved with carbon neutral power
- Carbon circulates in a climate neutral way in spaceship earth



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CCS and CCU are different
medicine for a different disease

CONTACT:



Pasi Vainikka

Principal Scientist, VTT; Docent, LUT

pasi.vainikka@vtt.fi, tel. +358 40 5825 987

@VainikkaPMJ

<http://www.neocarbonenergy.fi>



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