



SOCIETAL PERSPECTIVES ON CCS

CATO CCUS CONFERENCE

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**NATUUR
& MILIEU**

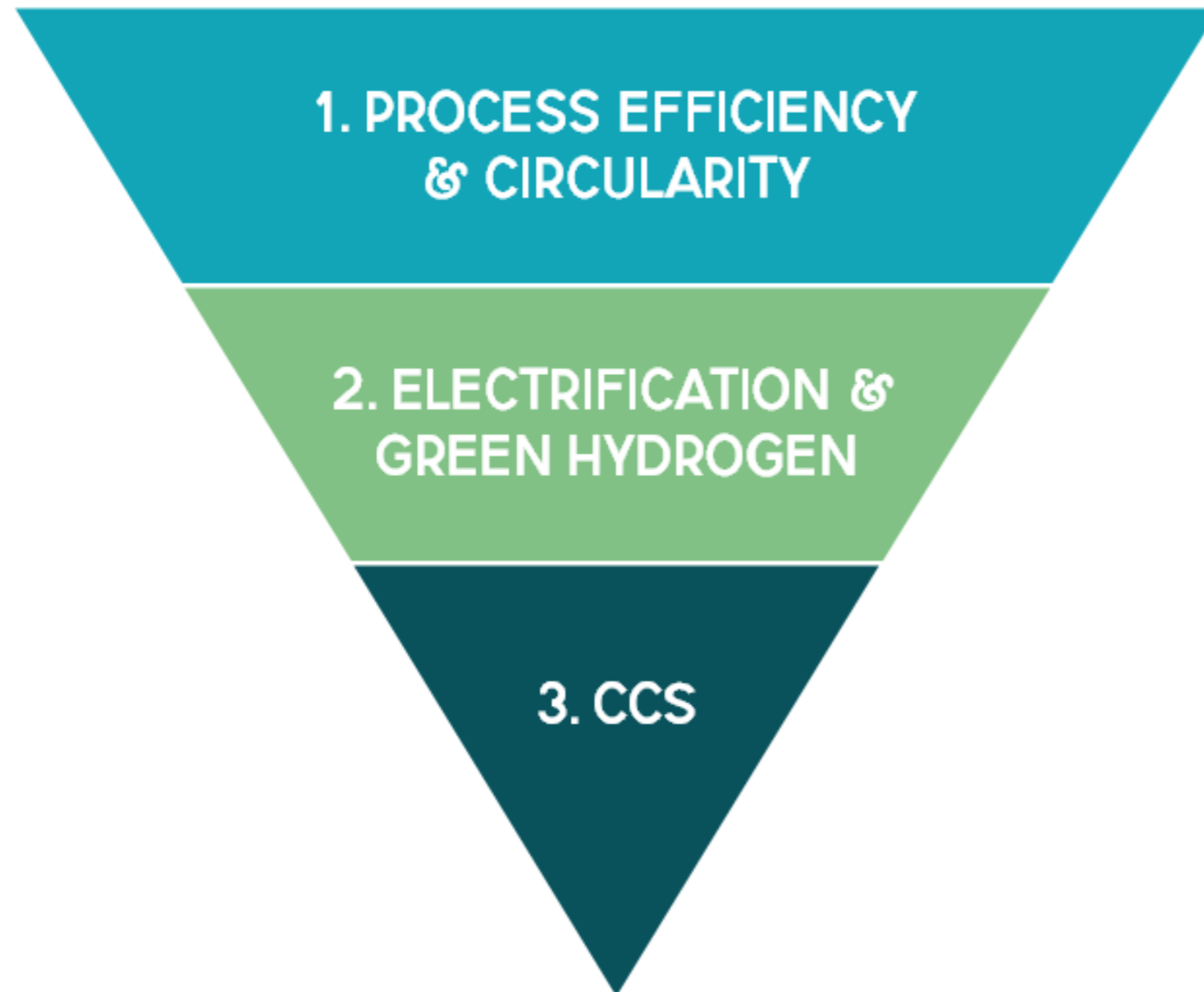


NATUUR & MILIEU

- Environmental NGO founded in 1972
- Working on climate change and biodiversity
- Advocacy, coalition building and campaigns
- Test Drivers, Flexitarian, The Rich North Sea, Water Monsters, Nederland Zoemt

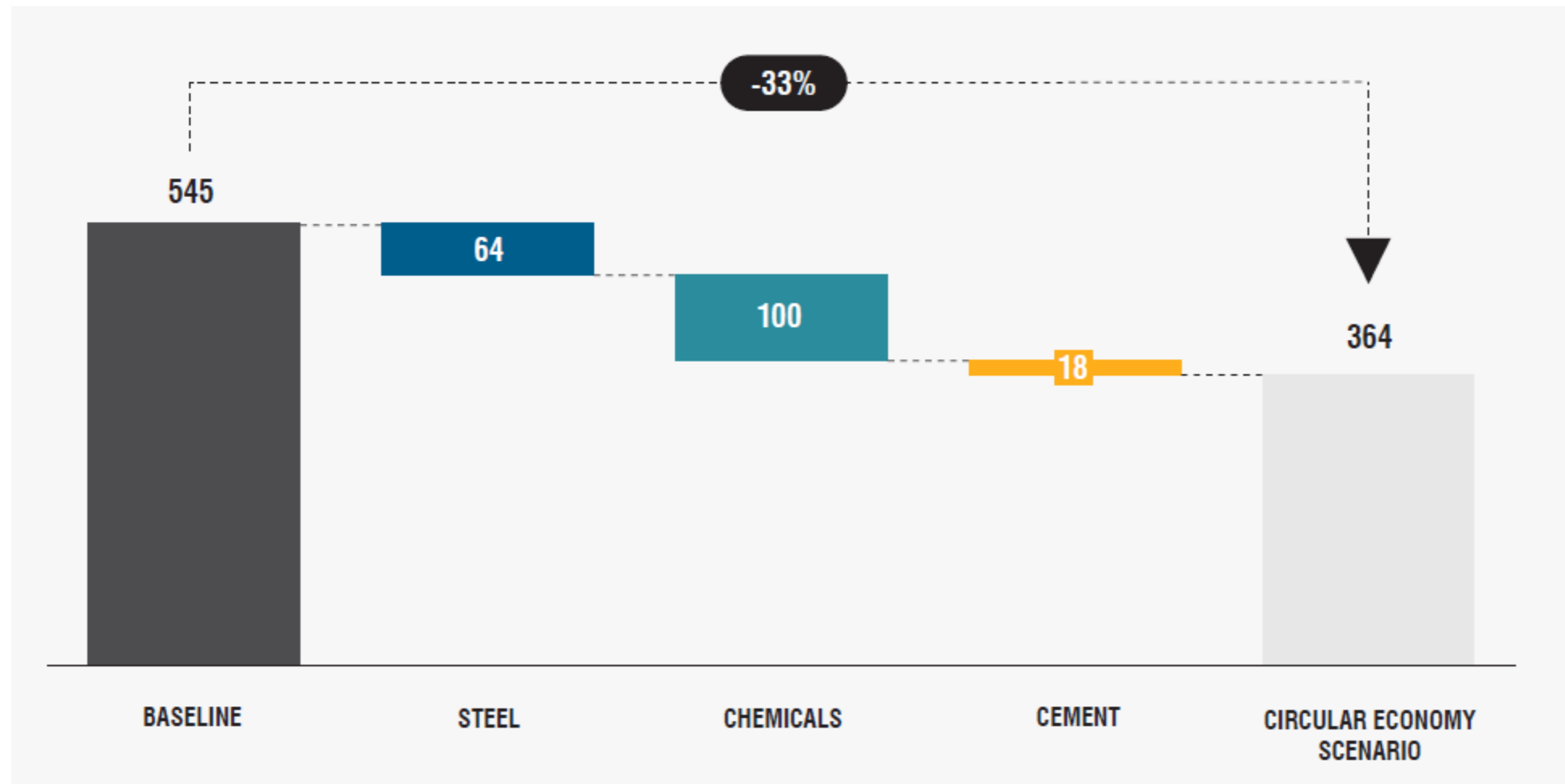


INDUSTRIAL TRANSFORMATION



- Linking circular economy with climate targets
- Norms, standards and enforcement
- Scaling up renewables and green hydrogen
- Infrastructure
- Right deployment CCS, CCU and CDR
- Phase out fossil fuels

DEMAND REDUCTION BY ENERGY EFFICIENCY AND CIRCULARITY



Source: Material Economics, 2019

RENEWABLE ELECTRICITY IS BASIS FOR ALL

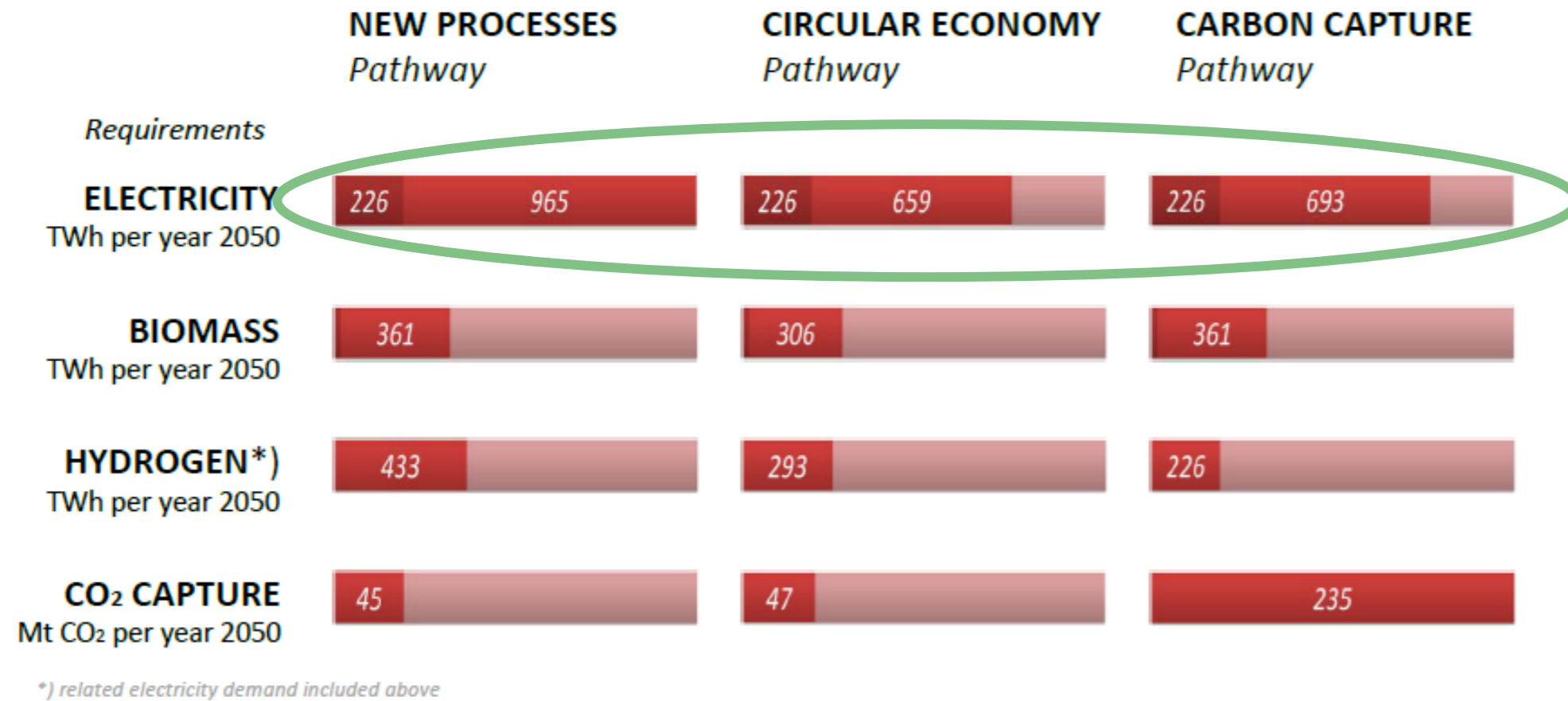
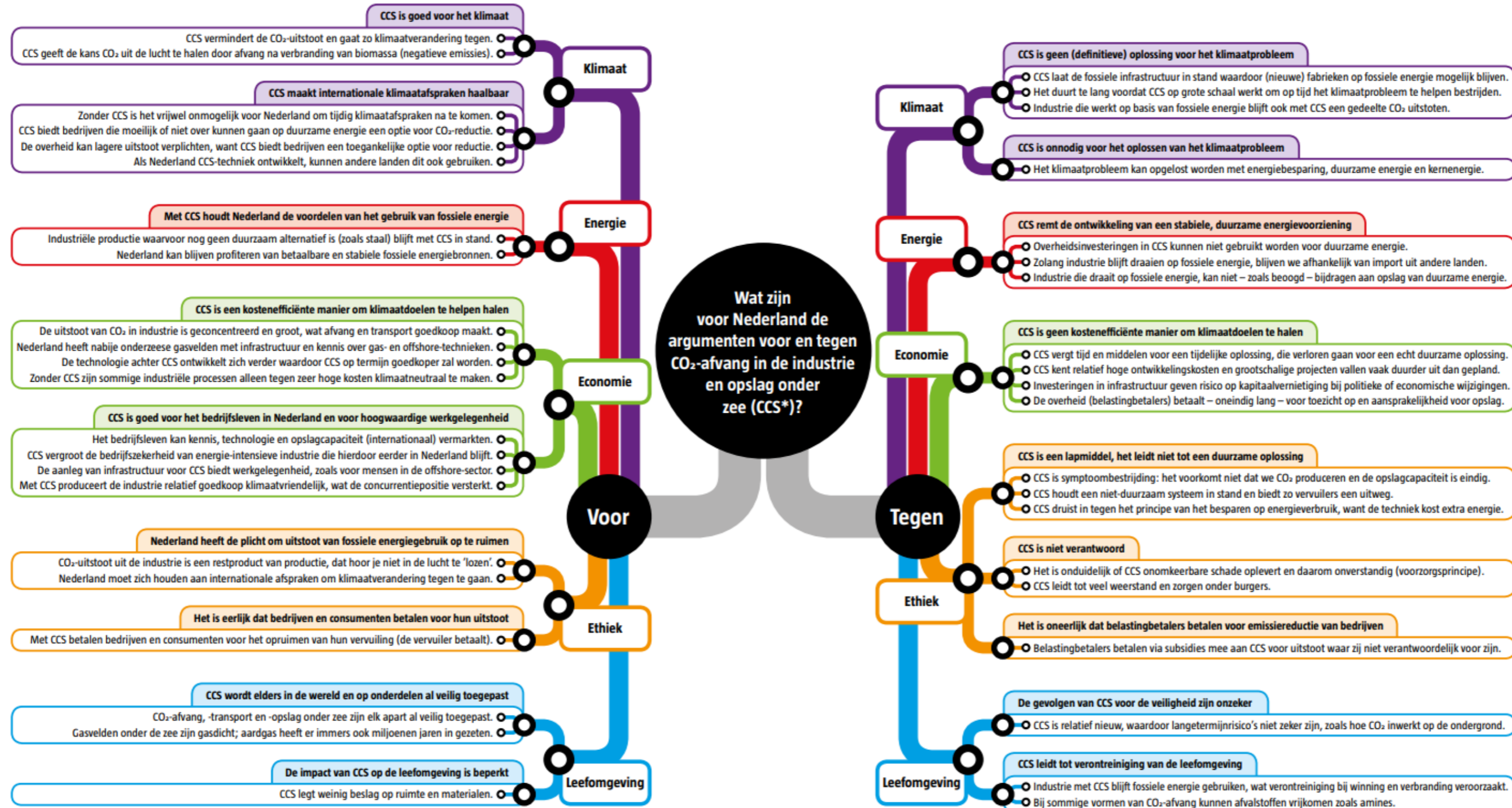


Figure 5: Energy Requirements in the three scenarios by Material Economics

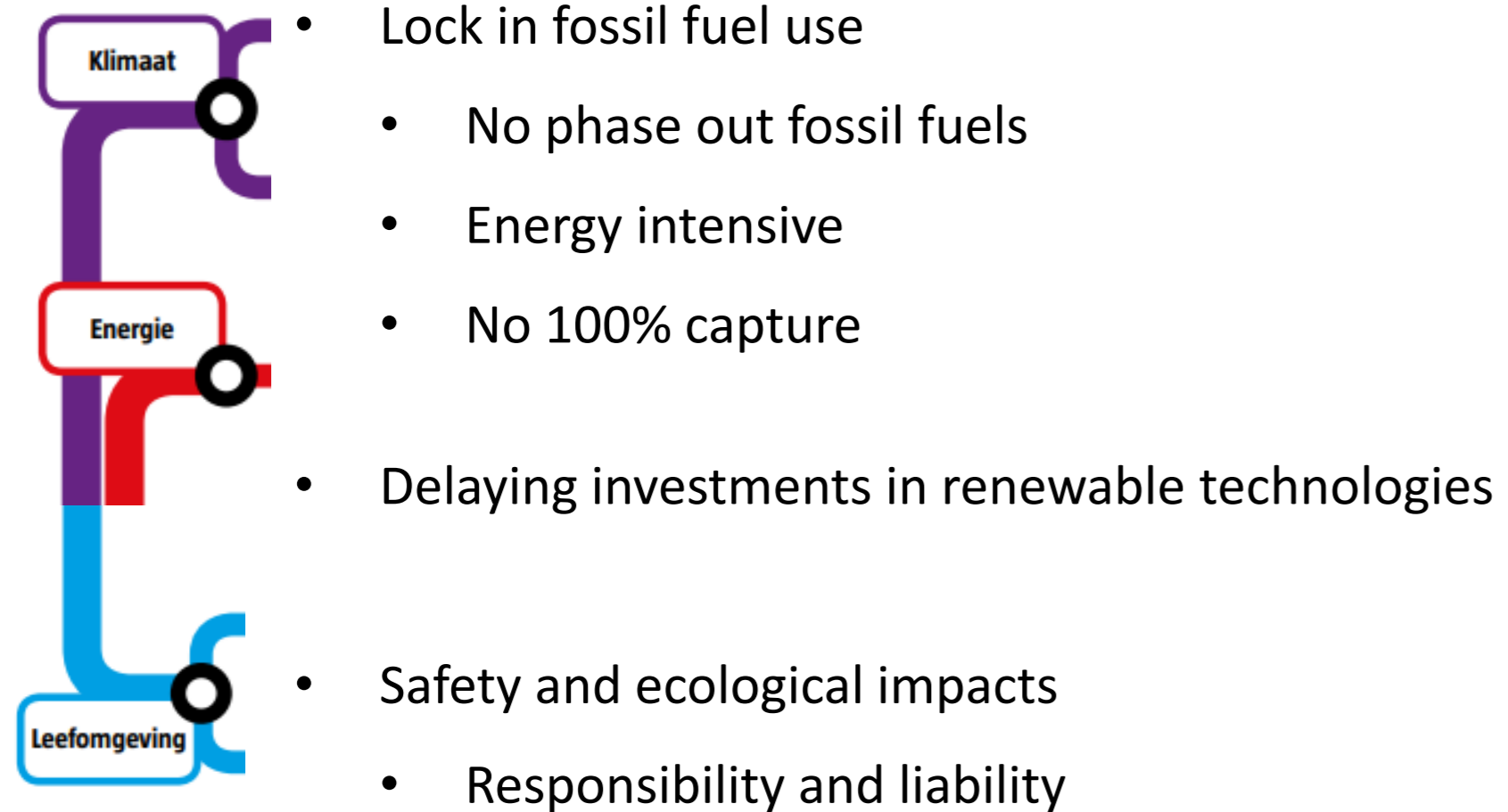
Source: own graph based on (Material Economics, 2019)

CCS: THE UGLY DUCKLING IN THE POND



Source: de Argumentenfabriek

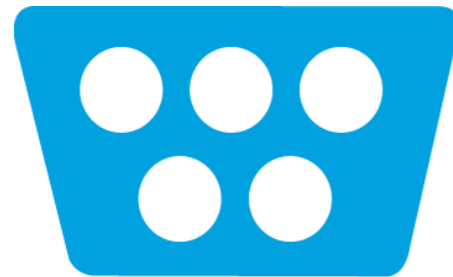
MAIN CONCERNS



DUTCH CCS POLICY FRAMEWORK

- Consensus on lock-in concerns:

“...a degree of caution must be maintained, to ensure that CCS does not get in the way of other demonstrably cost-effective alternative transitional technologies. As such, a balance must be sought between preventing clean technologies from being crowded out and making use of the reduction potential that CCS offers to achieve the reduction target...”
(Climate Agreement, 2019)



Sieve

CCS in places where there are currently no cost-effective alternatives



Cap

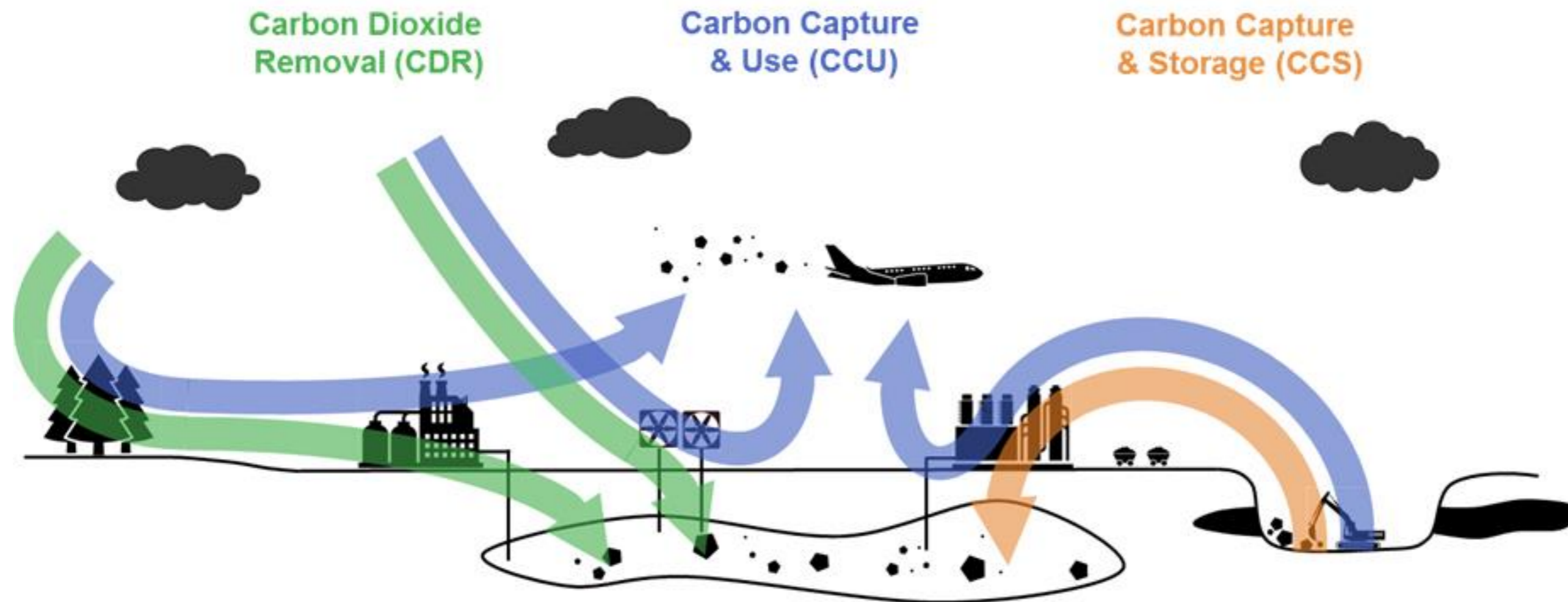
by 2030 a maximum of 7.2 + 2.5 Mton CCS is subsidized



Horizon

after 2035, no more subsidy grants will be issued for CCS projects (excluding negative emissions)

CCS ≠ CCU ≠ CDR



Source: cr.hub

NO SILVER BULLET, WE NEED ALL OPTIONS





THANK YOU

**NATUUR
& MILIEU**



**INVESTERINGSAGENDA
VOOR EEN
TOEKOMSTBESTENDIG
NEDERLAND**

Een voorstel van Natuur & Milieu

**NATUUR
& MILIEU**

April 2020



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