



CO₂ Capture, Transport & Storage in the Netherlands

Erik Lysen

Utrecht Centre for Energy research (UCE)

CATO 'at a glance'

- Unique Dutch knowledge network in the area of CO₂ capture, transport and storage
- Partners: 17
- Budget: 25.6 million € (50% govt. support)
- In line with Dutch government policy: Ministries EZ (Economic Affairs) and VROM (Environment)
- Embedded in international networks
- Over 15 PhD students
- Period: 2004-2008
- Manager: UCE (within Utrecht University)

Project Partners



Natuur
en
Milieu



Universiteit Leiden



NAM



WWF



Universiteit Utrecht



ECN
energy innovation



EBN

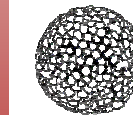
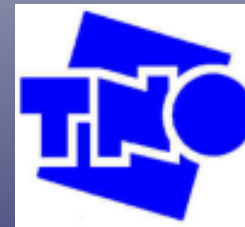


Gasunie

GREENPEACE



University of Twente
The Netherlands



GEOCHEM
RESEARCH



TU Delft
Technische Universiteit Delft




ECOFYS



uce

Utrecht Centrum voor Energie-onderzoek
Utrecht Centre for Energy research

www.co2-.nl

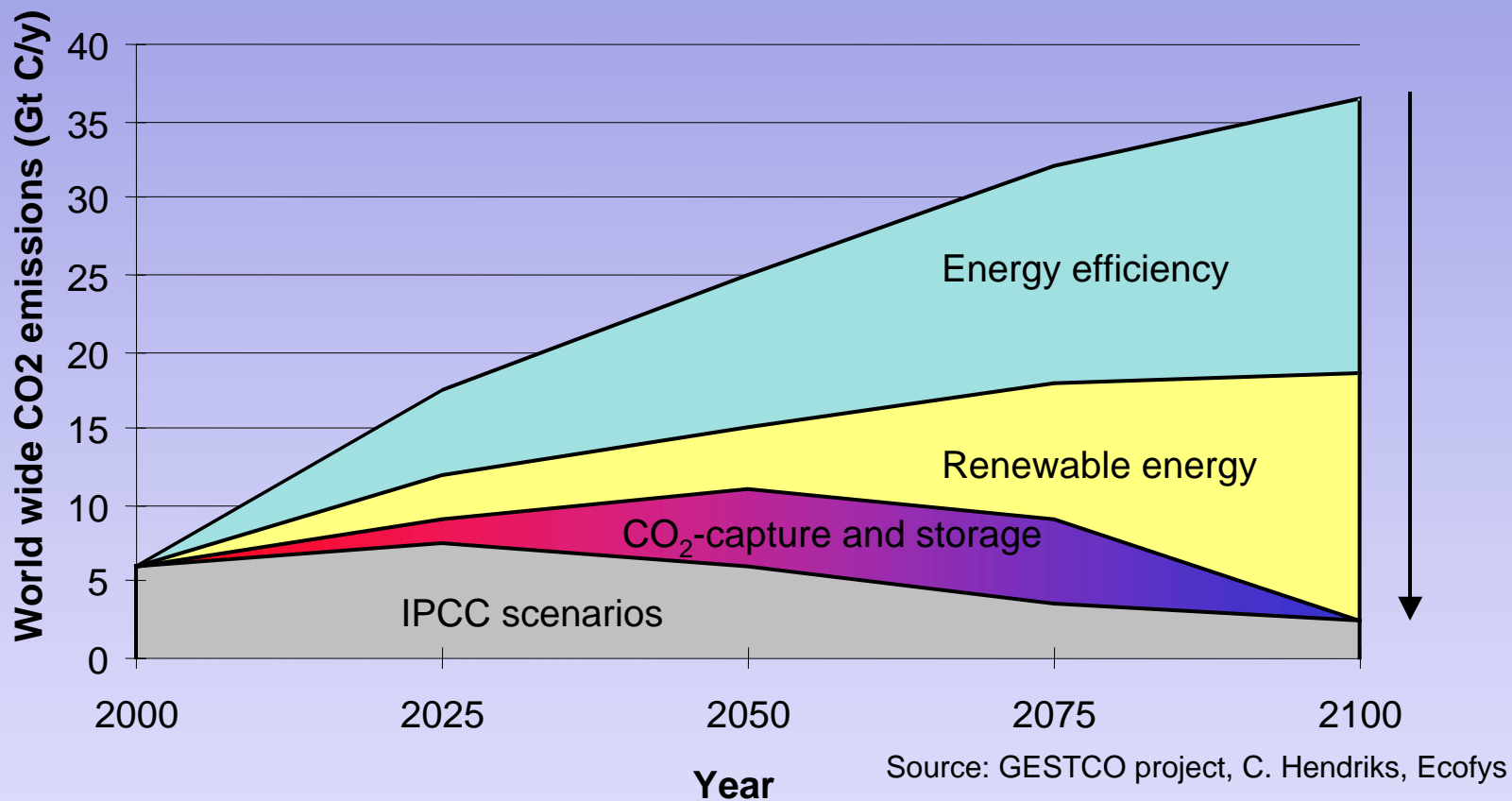
CATO objective

Building a strong knowledge network in the area of CO₂ capture, transport and storage, which in the period 2004-2008 will:

- collect sufficient validated knowledge
- analyse the societal and industrial base
- generate the necessary technological expertise

in order to be well-prepared for the possible transition to a large scale use of CCS options in the energy economy of the Netherlands

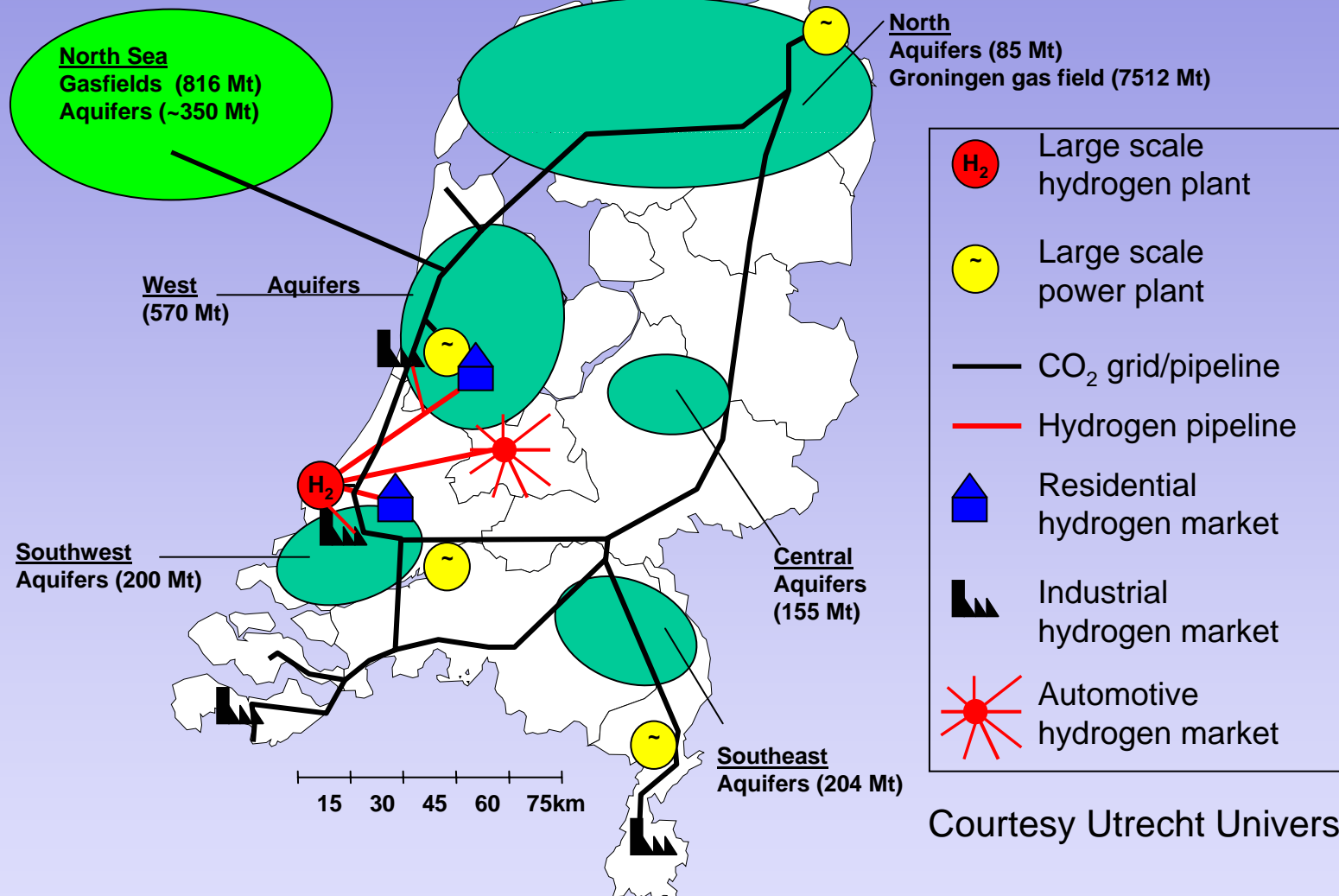
CO₂-Capture and Storage (CCS): *the third choice*



CATO work packages

WP	Subject	WP Leaders
1	System analysis & Transition	UU-Copernicus Ecofys
2	Capture of CO ₂ 2.1 Post-combustion 2.2 Pre-combustion 2.3 Denitrogenated conversion	TNO-MEP ECN TNO-MEP
3	Storage of CO ₂ 3.1 Storage gas fields 3.2 Storage coal fields (ECBM)	TNO-NITG Shell (SIEP)
4	Mineralisation 4.1 Subsurface mineralisation 4.2 Surface mineralisation	Shell (SIEP) TNO-MEP
5	Monitoring, safety and regulations	TNO-NITG
6	Communication	Leiden University
7	Management and knowledge transfer	UU-UCE

System & scenario analysis (UU)



Courtesy Utrecht University