

TRANSITION, JUSTICE, AND THE EVER- PRESENT POLITICS OF CLIMATE DELAY

GAVIN BRIDGE, DURHAM UNIVERSITY

JUST TRANSITION AND ENVIRONMENTAL JUSTICE

PRINCIPLES, PRACTICE AND IMPLEMENTATION STRATEGIES FOR A POST-OIL FUTURE

UNIVERSITY OF BRADFORD | SCHOOL OF LAW | JULY 26 2023



This presentation draws in part on research undertaken as part of *Fraying Ties? Networks, Territory and Transformation in the UK Oil Sector* (ES/S011080/1). The support of the Economic and Social Research Council (UK) is gratefully acknowledged.



“so those less fortunate are taken on the journey”

“to bring communities along”



Improving people's lives

Human rights >

Sustainable livelihoods

Greater equity

Wellbeing

Home / Sustainability / Improving people's lives / Just transition

Just transition

Our aim 12 is to support a just energy transition that advances human rights and education

Sustainability report 2022

PDF / 11.1 MB



“so those less fortunate are taken on the journey”

“to bring communities along”

NETWORKS, TERRITORY & TRANSFORMATION

PROJECT TEAM



Gavin Bridge



Nana de Graaff



James Marriott



Gisa Weszkalnys



Alex Dodge



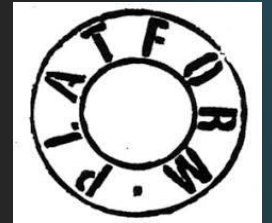
William
Otchere-Darko



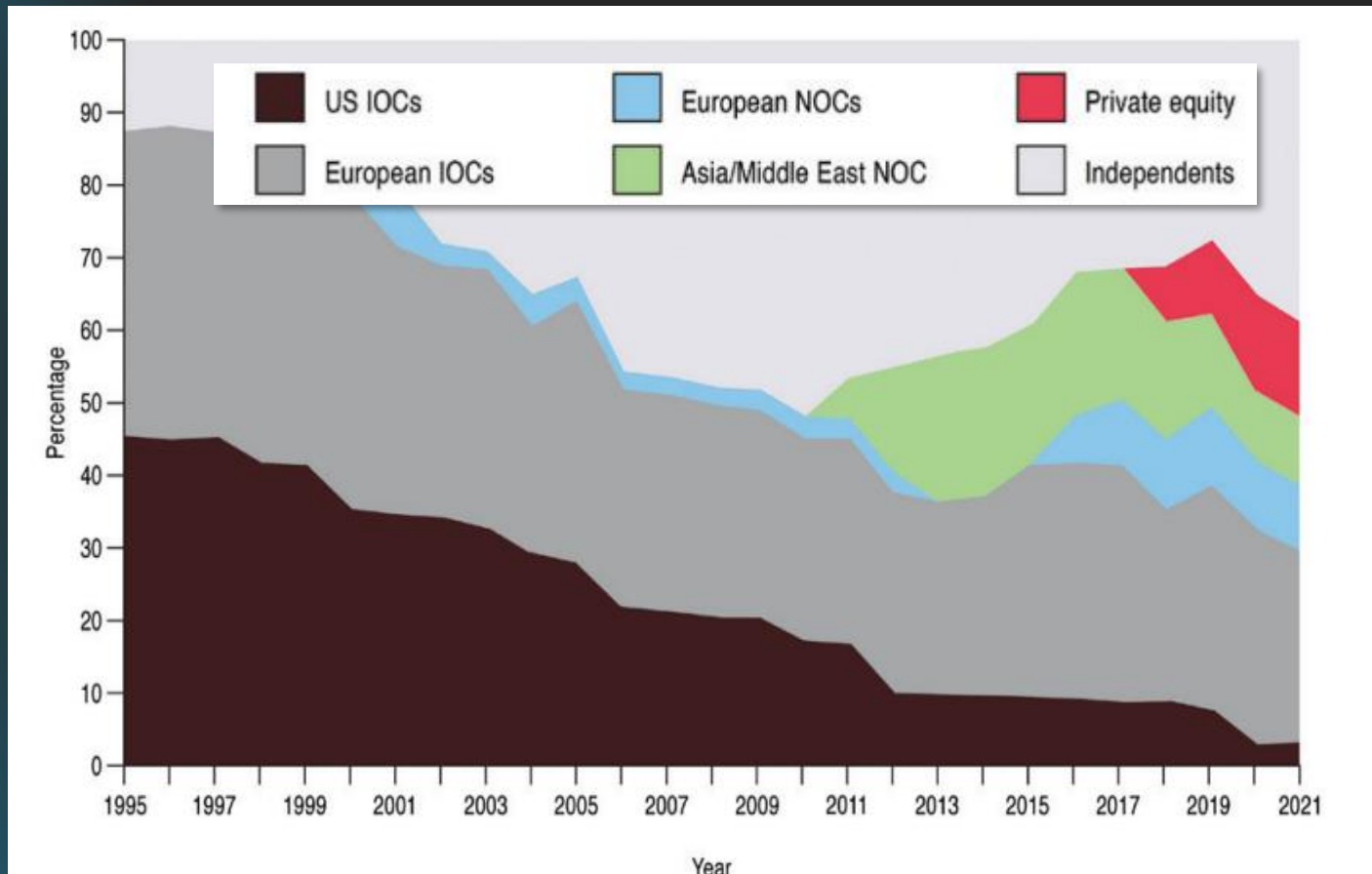
Tiago Teixeira



Connor Watt



UK ASSETS AND NETWORK SWITCHING



- UKCS production decline
- At same time, change in composition of UK offshore
- Analysed 3 change trajectories: ownership, control, and capital
- Shows how UK assets switched between networks

Shifting composition of ownership (1995–2021): acreage share, by category of company (top 20)

Source: G. Bridge and A. Dodge (2022) *Cambridge Journal of Regions, Economy and Society* 15(2): 367-388

SCALE

HOW BIG IS THE OIL MARKET?

The oil market is bigger than the top 10 metal markets combined in terms of production value, surpassing \$2 trillion in 2022.

CRUDE OIL MARKET SIZE VS TOP 10 METAL MARKETS

Commodity : Market Size

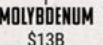
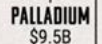


Iron ore is the largest metal market by tonnage and dollar value, with 2.6 billion tonnes produced in 2022.

TOP 10 METAL MARKETS TOTAL
\$967 B



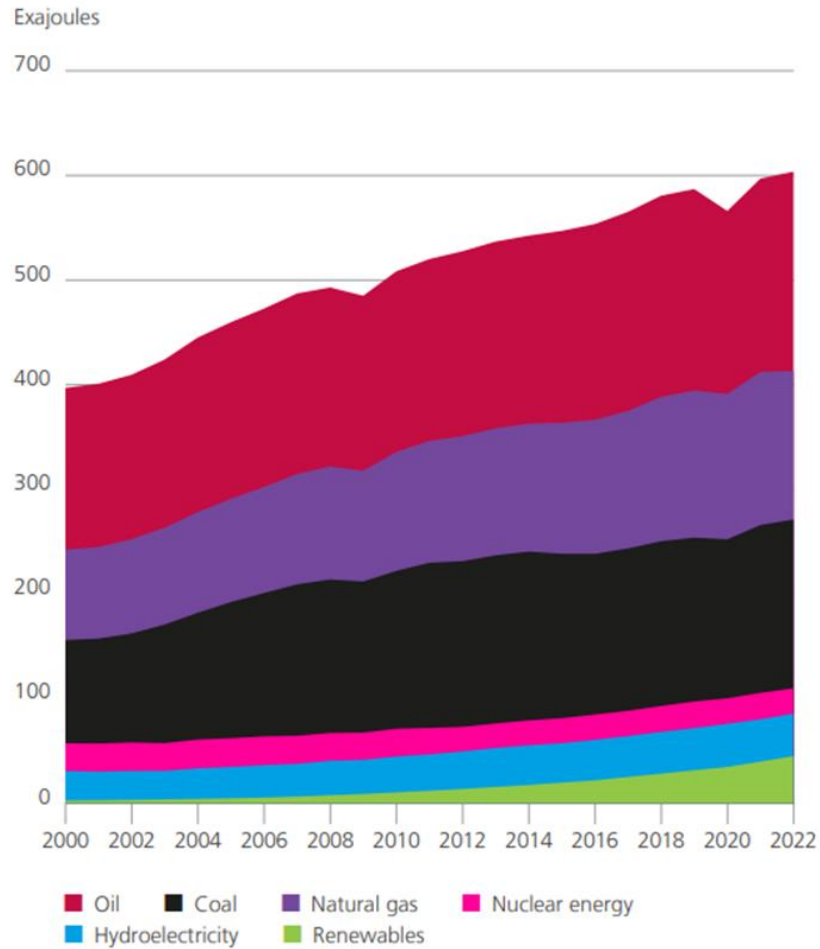
Gold is the most expensive of the top 10 metals, with a single tonne costing over \$63 million.



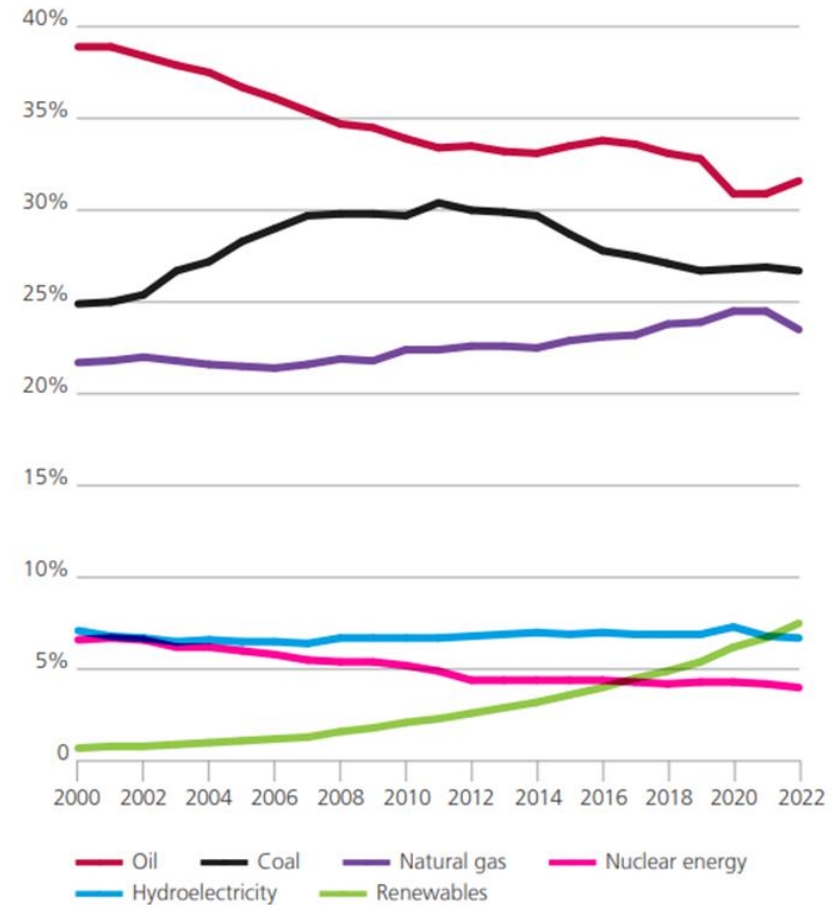
Source: USGS Mineral Commodity Summaries 2023, TradingEconomics, Cameco, FastMarkets
Market sizes are calculated by multiplying annual production in 2022 with spot prices as of June 7, 2023.

P Primary energy World consumption*

World consumption



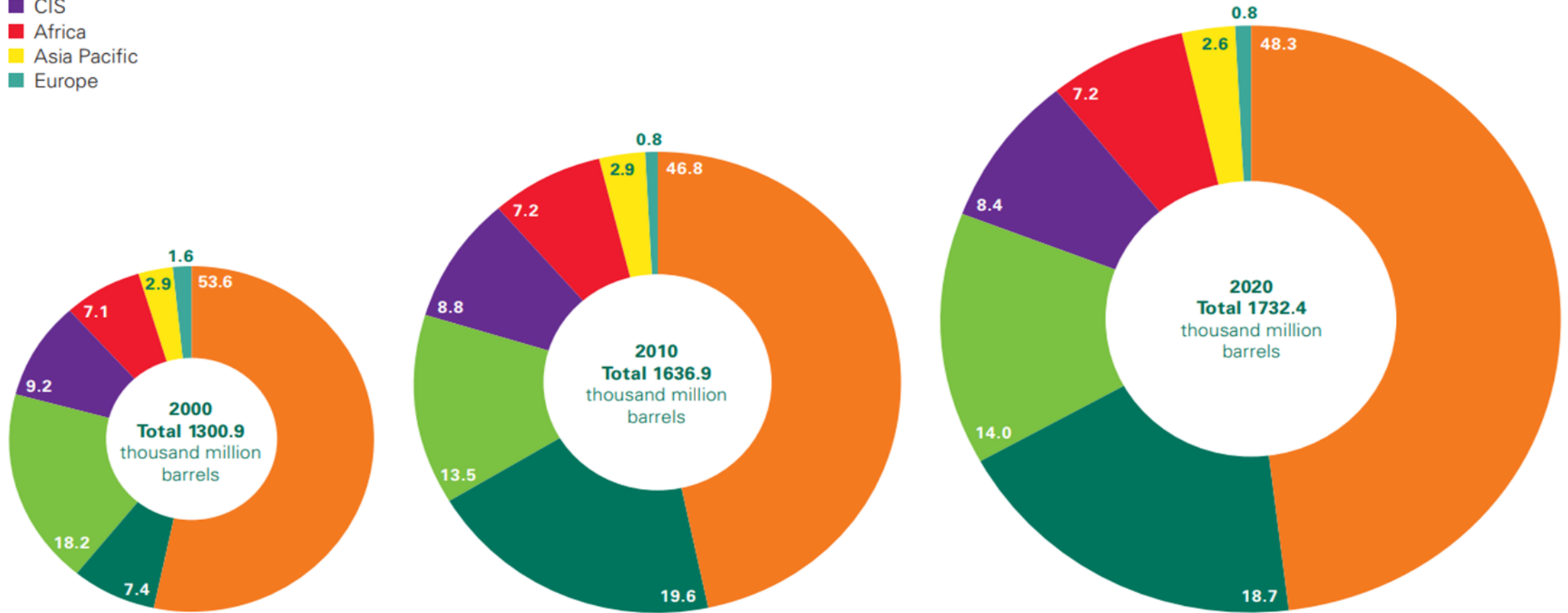
Share of global primary energy



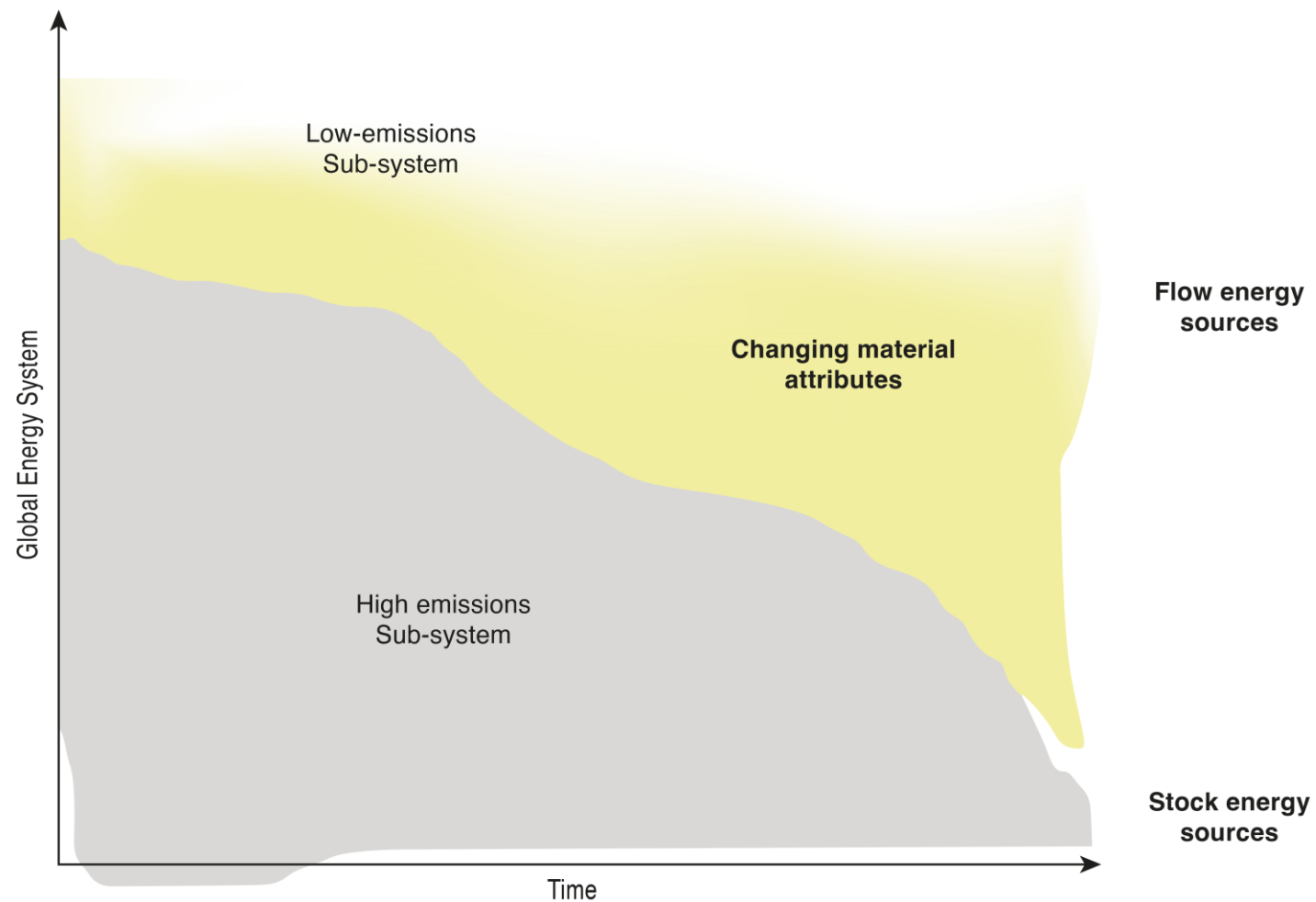
Distribution of proved reserves in 2000, 2010 and 2020

Percentage

- Middle East
- S. & Cent. America
- North America
- CIS
- Africa
- Asia Pacific
- Europe



Source: BP Statistical Review of World Energy (2021)



Draft figure 1. Material Attributes of the Global Energy System and Major Sub-Systems

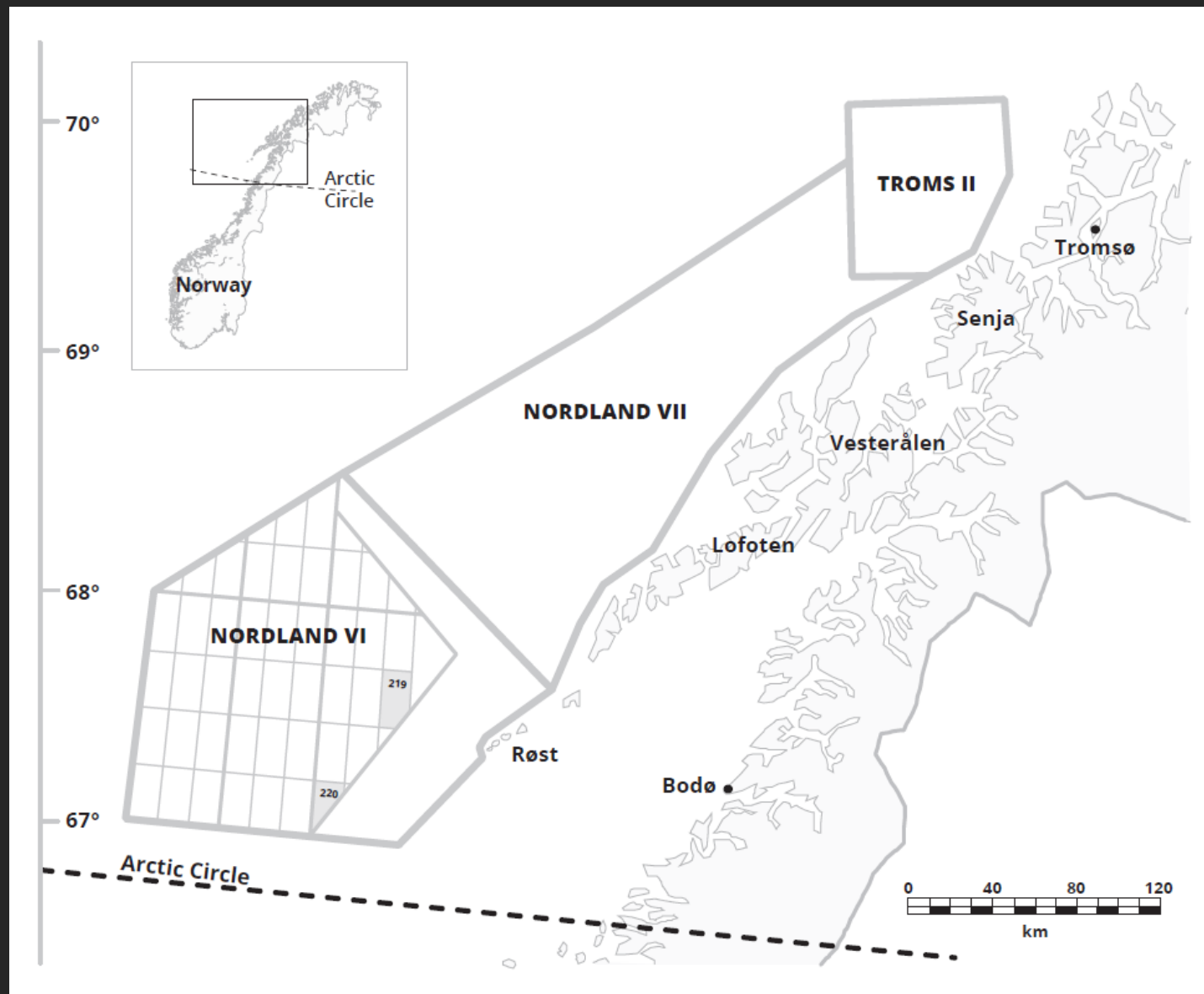
“The world’s hugely encouraging clean energy momentum is running up against the stubborn incumbency of fossil fuels.”

Fatih Birol, head of the IEA

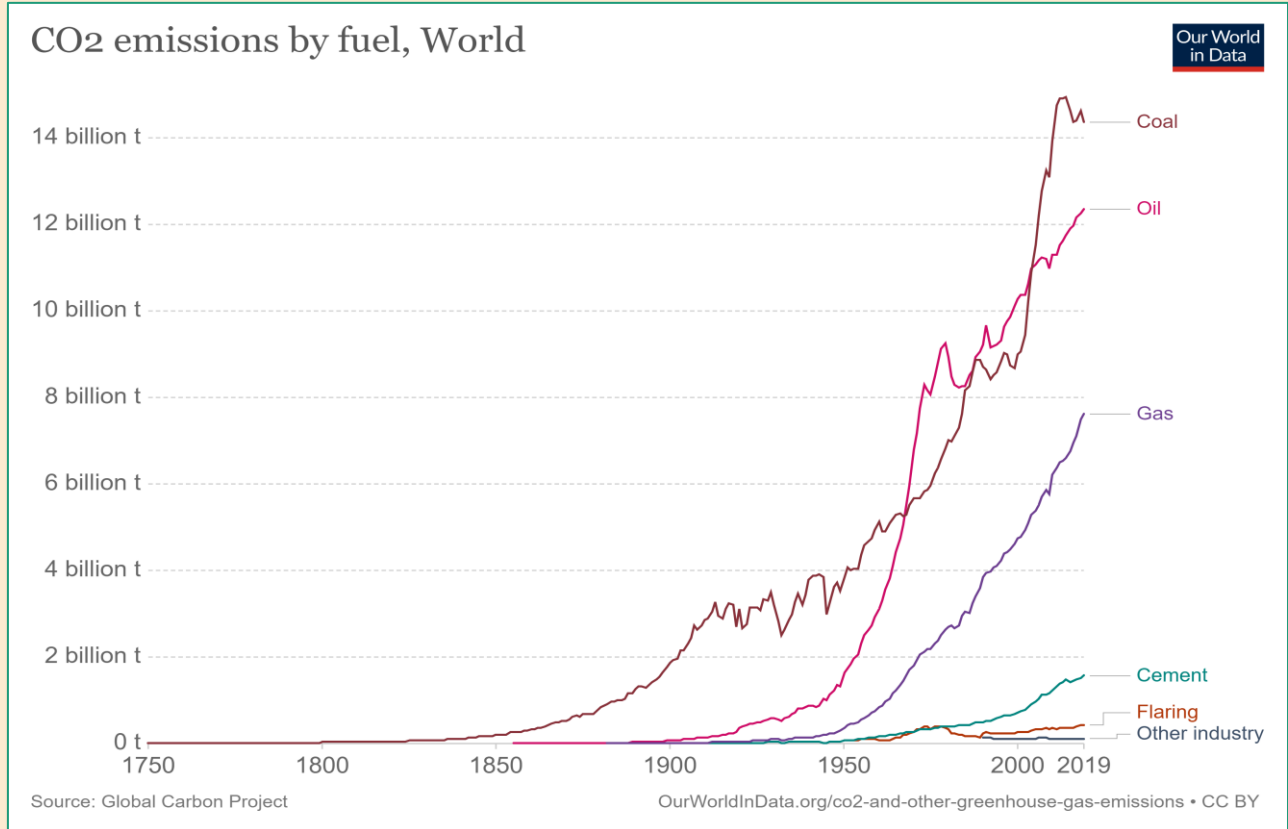
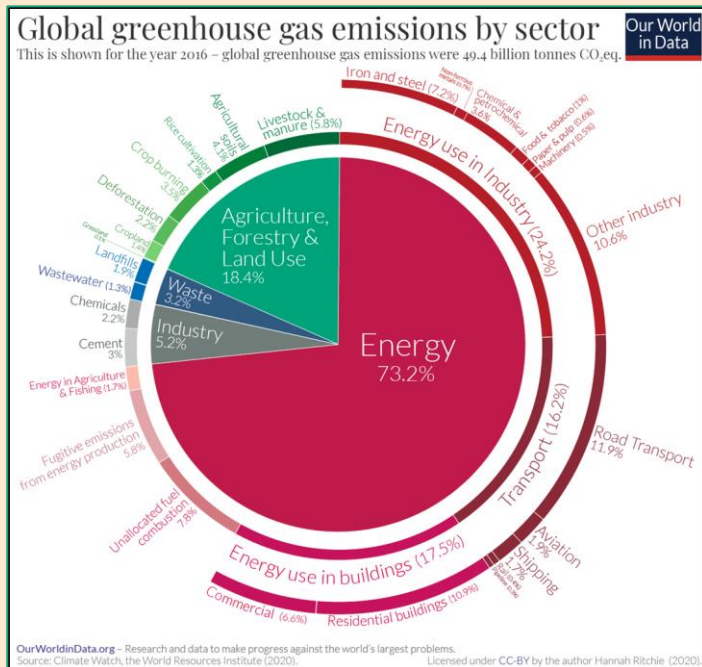
Material Attributes of the Global Energy System.

Figure from Kuzemko, C., M. Blondeel, M. Bradshaw, G. Bridge, E. Faigen and L. Fletcher (under review)

TIME



Source: Kristoffersen, Bridge, and Steinberg (2021). Time for oil: Competing petrotemporalities in Norway's Lofoten / Vesterålen / Senja Archipelago. In *Cold Water Oil* (pp. 176-193). Routledge.



Annual GHG Emissions
51 billion tonnes

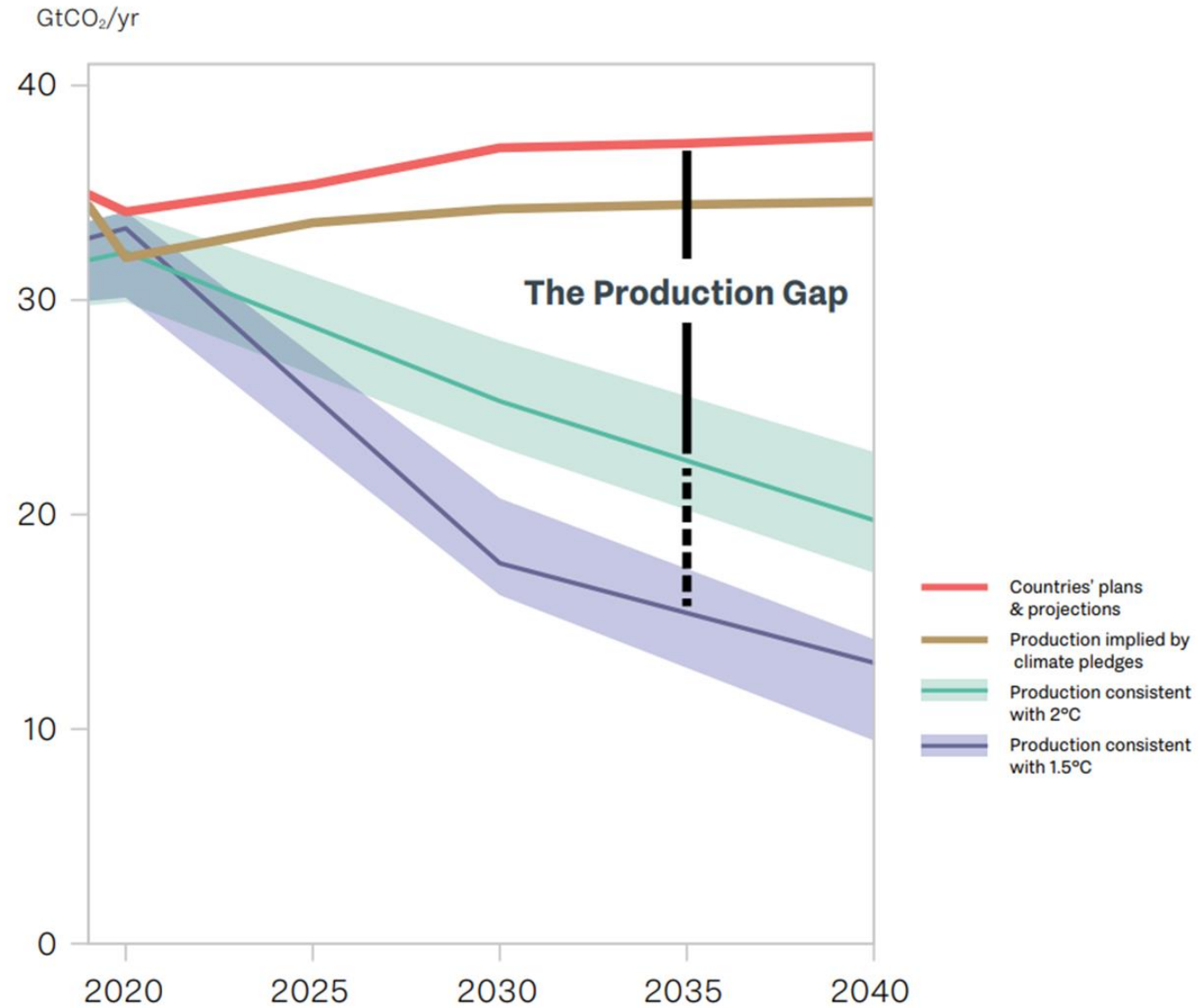
CO₂ Emissions from Energy
34 billion

Coal
14 billion

Oil
12 bn

Gas
8 bn

Global fossil fuel production



Source: UN Production Gap Report (2021)

PLACE

QUESTIONS FOR THE JOURNEY

- What can JT can learn from EJ?
- And vice-versa....
- Claims for justice in JT and EJ have a common root
 - how can nurturing these roots enable both to flourish?
- What can we learn from other (non-oil) cases?
- How can we provincialize current approaches by ‘learning from elsewhere’?

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