

DECARBONIZATION PLAN FOR ENERGY SECTOR

Can we replace carbon based energy technologies quickly?
What would be the role of banking in this change?

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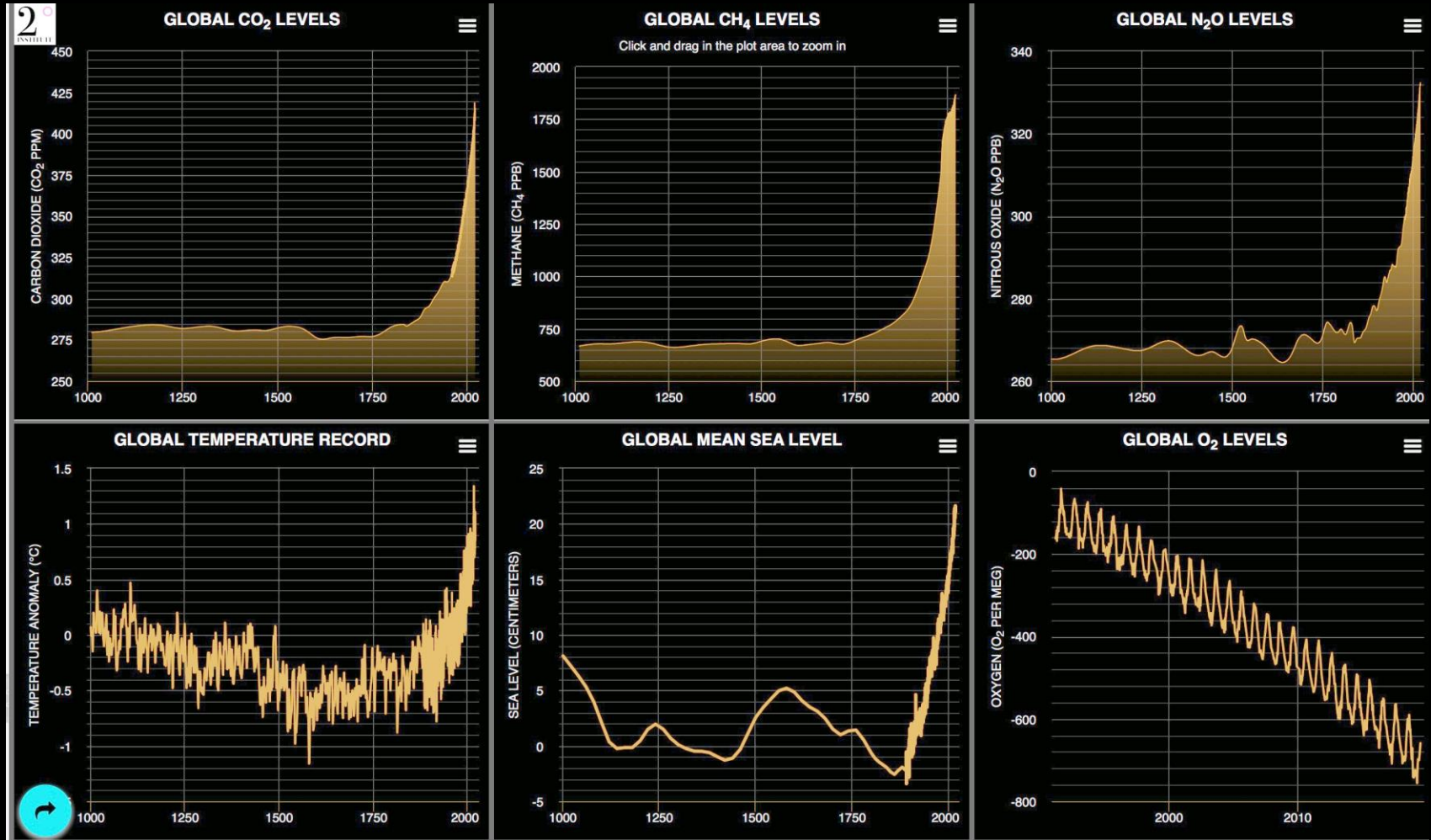
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Estonian Wildlife Centre

How?

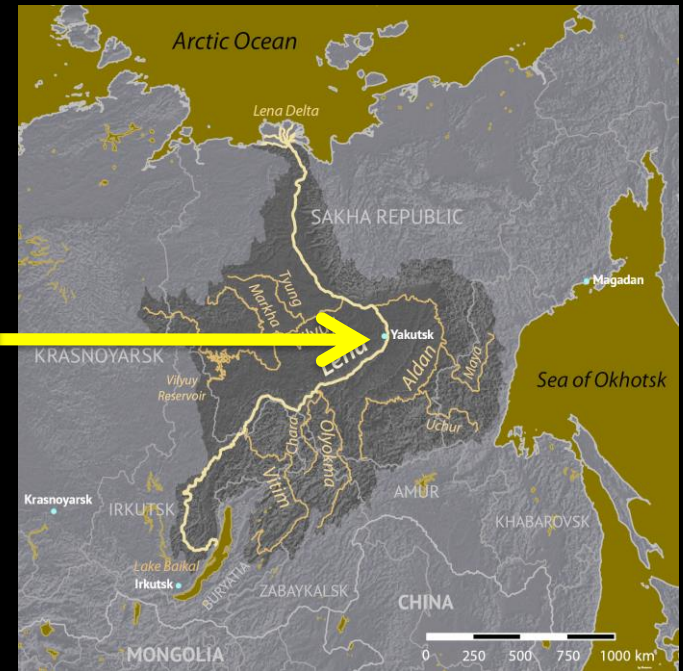
Could mankind stop quickly the use of carbon based energy technologies?

What would be the role of (central and commercial) banking in this hypothetical change?

Global climate change



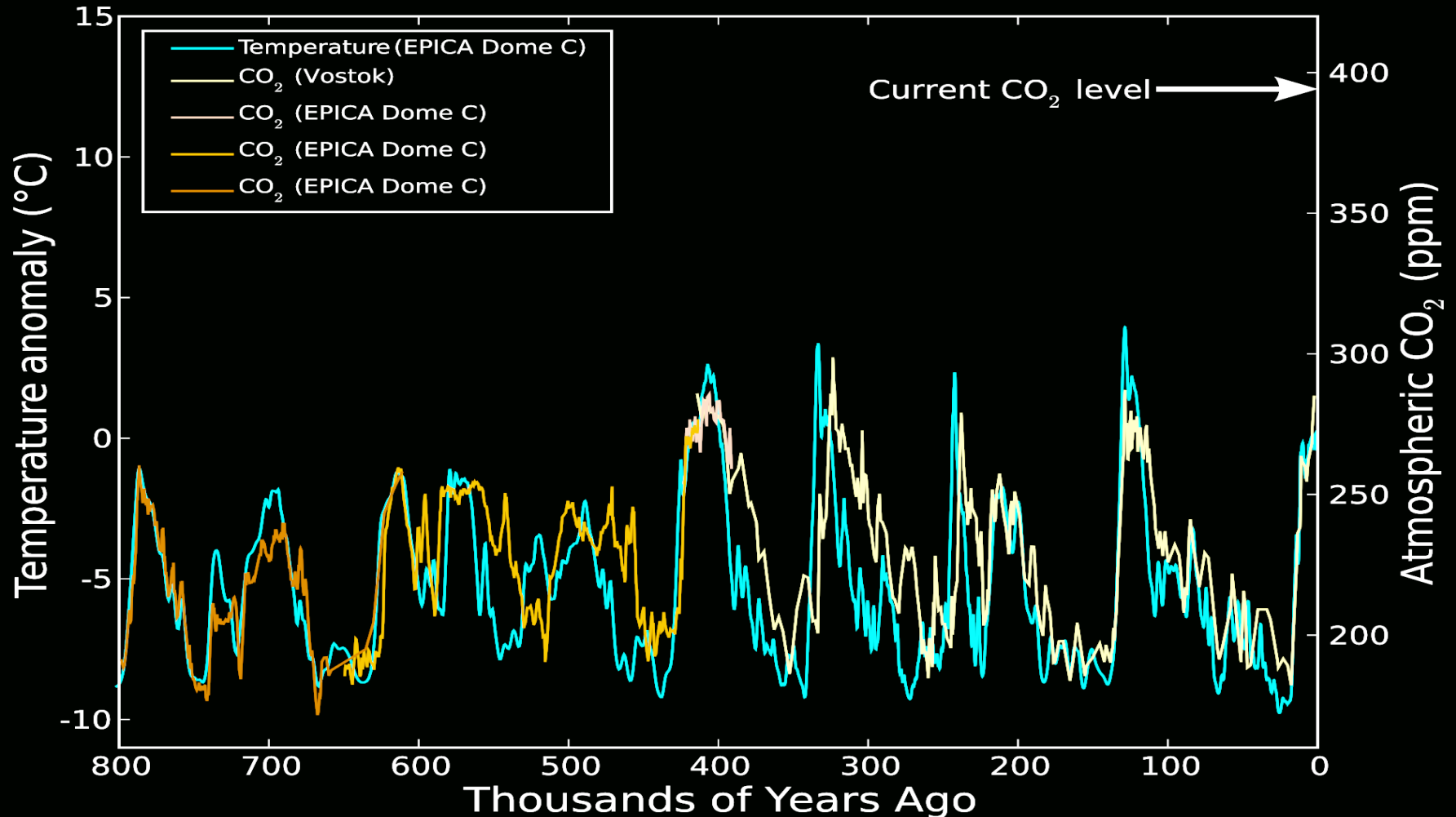
Case of Lena river in Siberia: abnormally low water level



Lena river is the largest permafrost fed river in the world.
Water dropped suddenly in summer 2019.
Cargo ships and boats left stranded in the sand in Yakutsk.

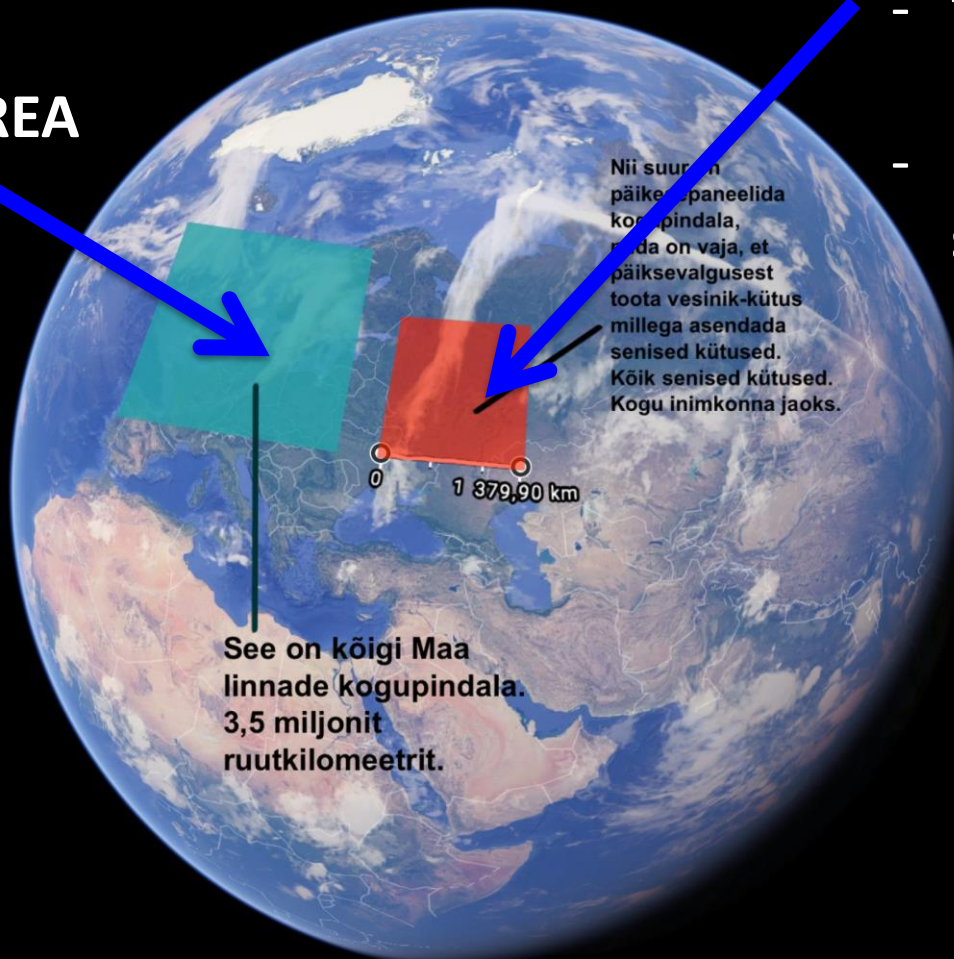
Longer timeline

Temperature and CO₂ Records



Solar option!

The total
URBAN AREA
on Earth:
3 900 000
km²



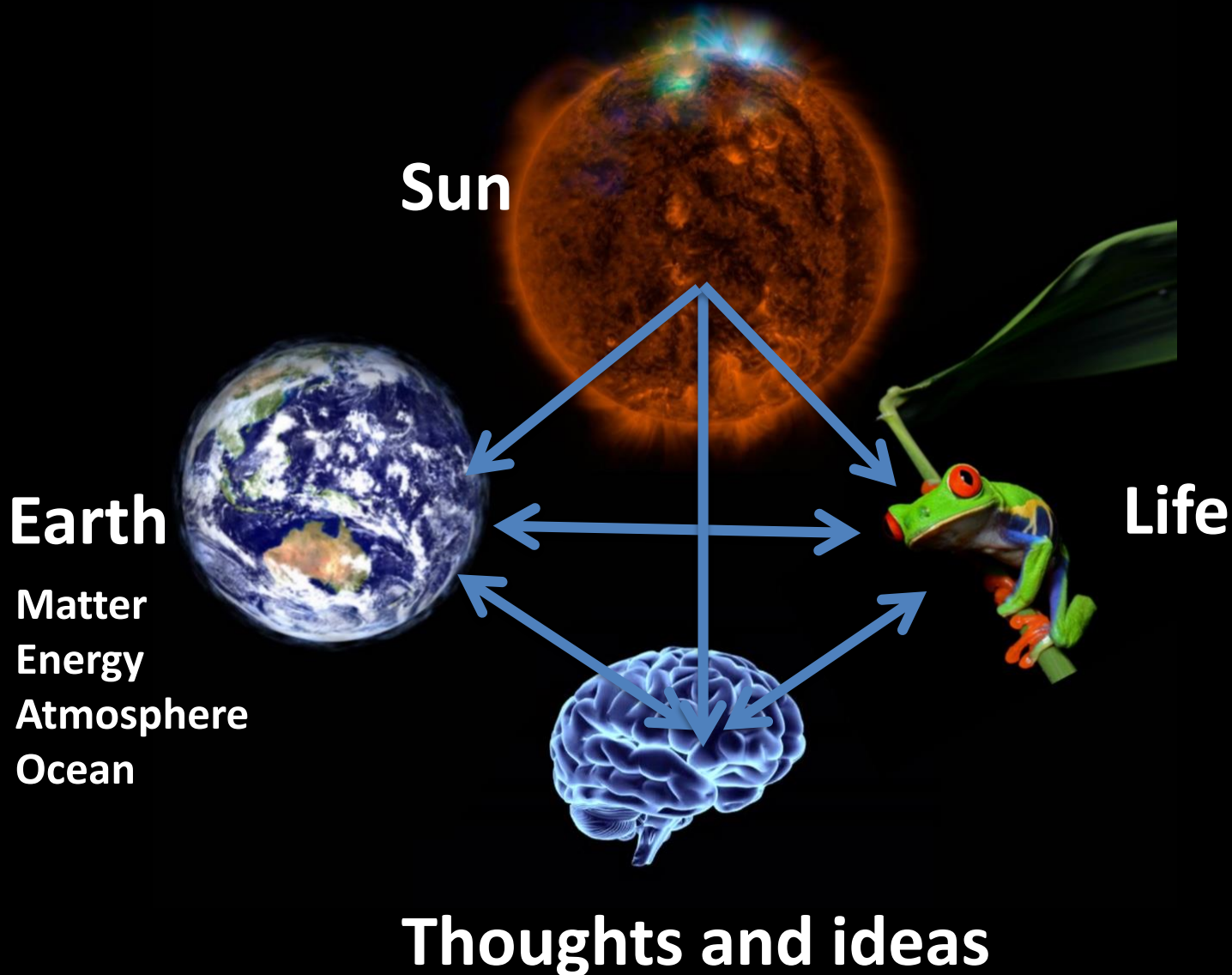
See on kõigi Maa
linnade kogupindala.
3,5 miljonit
ruutkilomeetrit.

Nii suur on
päikesepaneelida
kogupindala,
mida on vaja, et
päikesevalgusest
toota vesinik-kütus
millega asendada
senised kütused.
Kõik senised kütused.
Kogu inimkonna jaoks.

The total World's land
area needed:

- to **produce** energy for humankind and
- compressed hydrogen **storage**.

The complexity of planet's climate

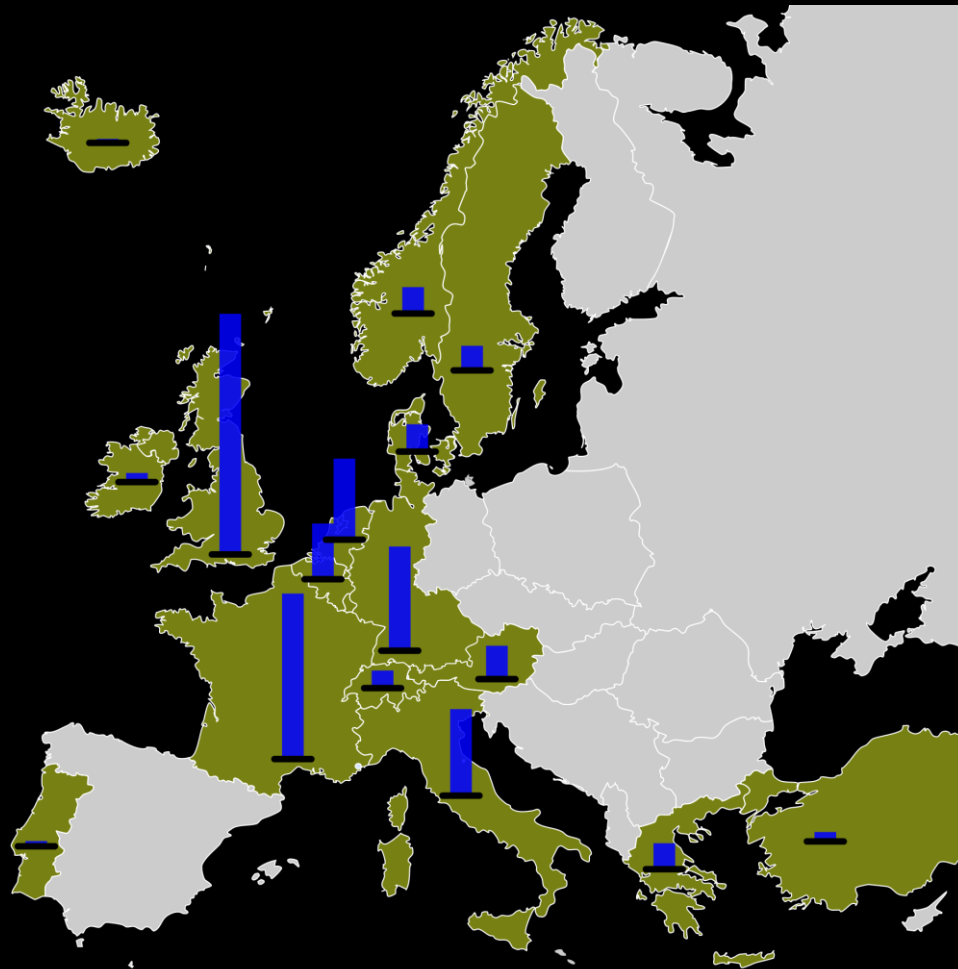


Marshall plan



**12,7 BILLION
DOLLARS**

1948-1951



Bretton Woods conference (1944)



John Maynard Keynes,
Economist (right) and
Harry Dexter White,
US Treasury official



Decarbonization plan

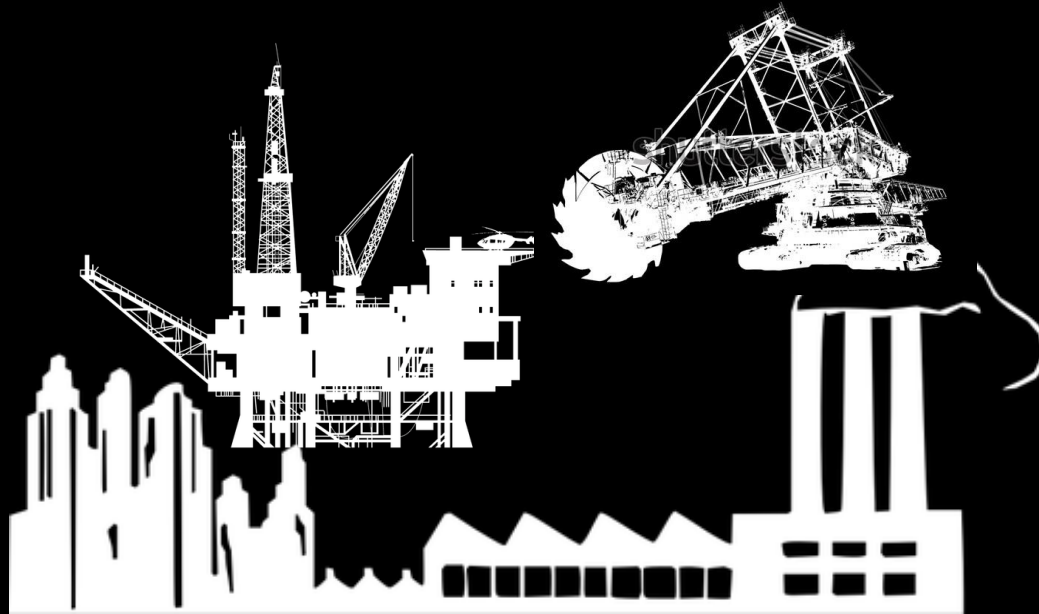
Central banks already regulate economy.

The **targeted longer-term refinancing operations** (TLTROs) - as one example of such intervention by creation of money.

Decarbonization plan means

- **asset purchase agreement**, with the legal **obligation** to stop the use of carbon based processes and machinery within fixed period of time.

Where to start? 1



TOTAL ASSETS OF THE ENERGY
COMPANIES WORLDWIDE:

\$ 5-6 TRILLION DOLLARS

Where to start?

2



TOTAL BAN!

TOTAL ASSETS OF THE ENERGY
COMPANIES WORLDWIDE:

\$ 5-6 TRILLION DOLLARS

And next?

Money creation by banks.

Scenarios?

100% of cash by Central banks and full buyout of assets

Partial creation of M0 and further “flat money”
instruments by commercial banks

The main concept

- *Call together climate conferences with the authorized representatives of central and commercial banks and governments.

- *Formulate and sign international treaties.

- *Substitute the carbon based energy sector assets with new energy sources and technologies.

- *Create the change transitions to other sectors:
agriculture, metallurgy, construction materials, plastics,
food etc.
(money supply mostly from commercial banking sector).

Climate war?

CLIMATE PEACE TREATY IS NEEDED

To END the “OVER-THIRTY
YEAR CLIMATE WAR”

LIKE the “THIRTY-YEAR
WAR” in EUROPE ENDED
WITH the PEACE of
WESTPHALIA

