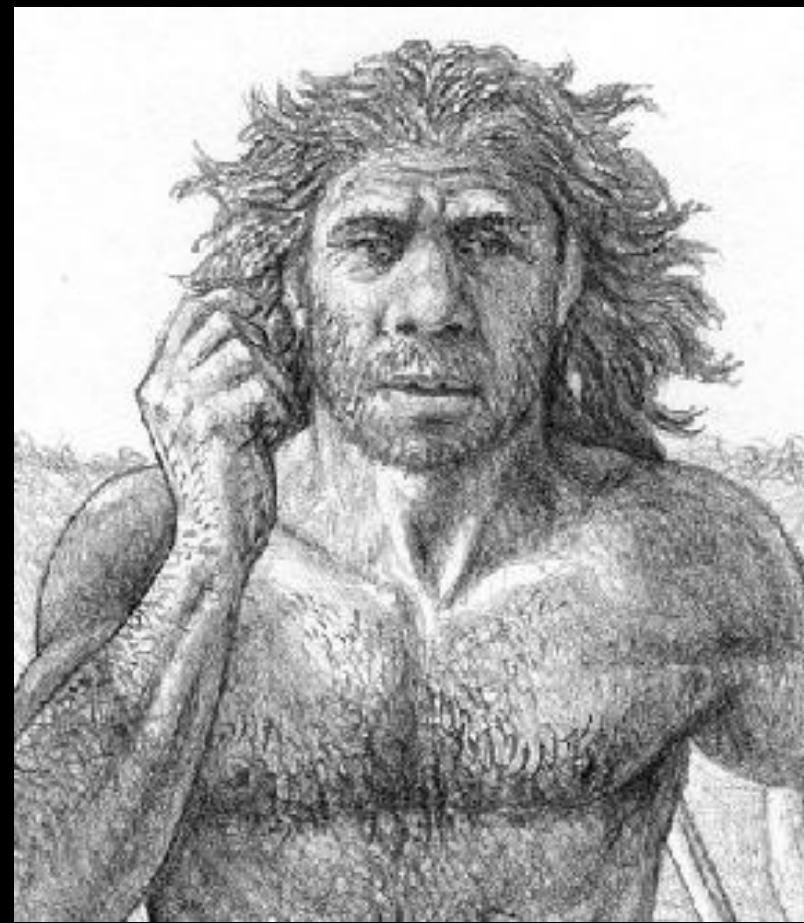
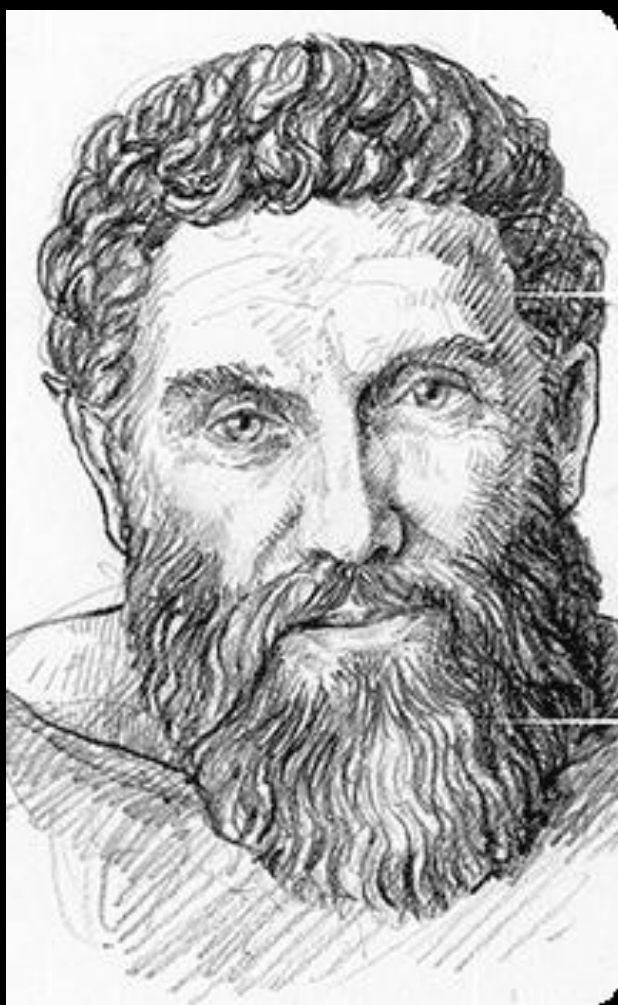
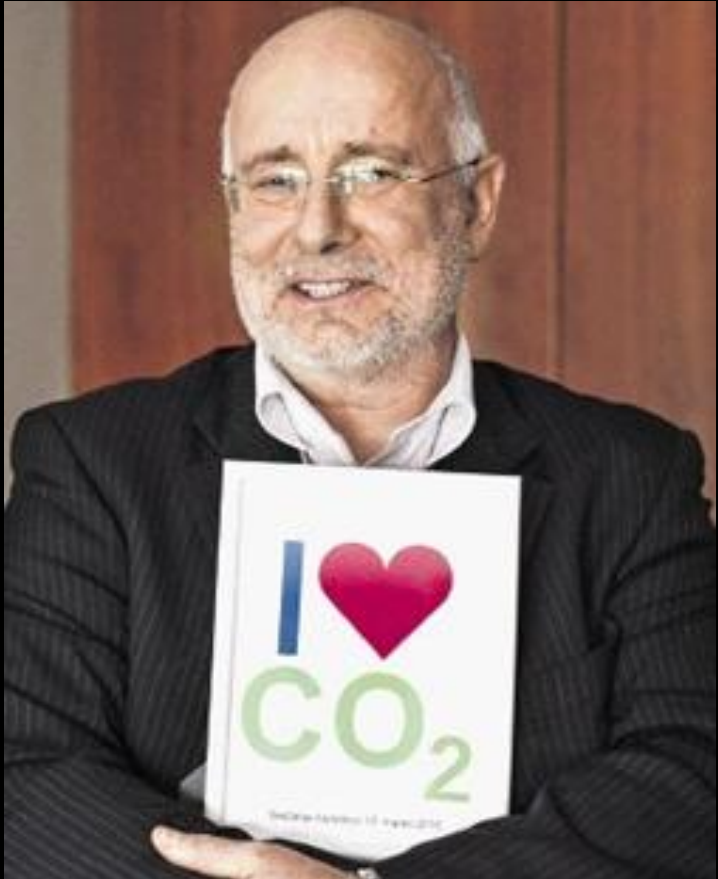


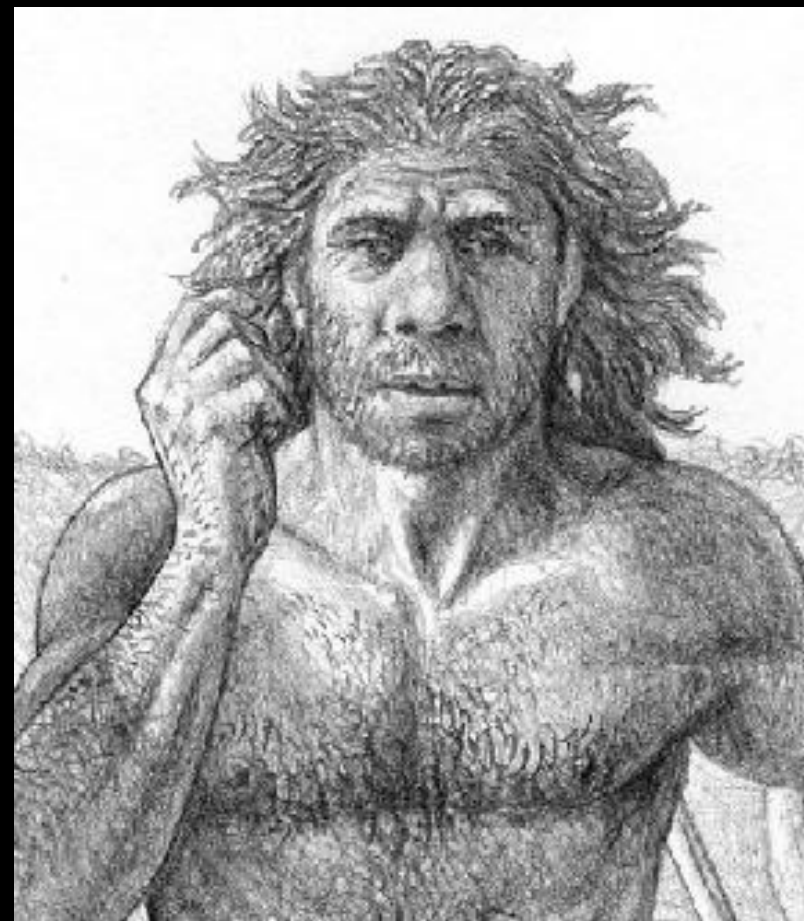
# Zgodba o treh bratih

izr. prof. dr. Marko Jankovec







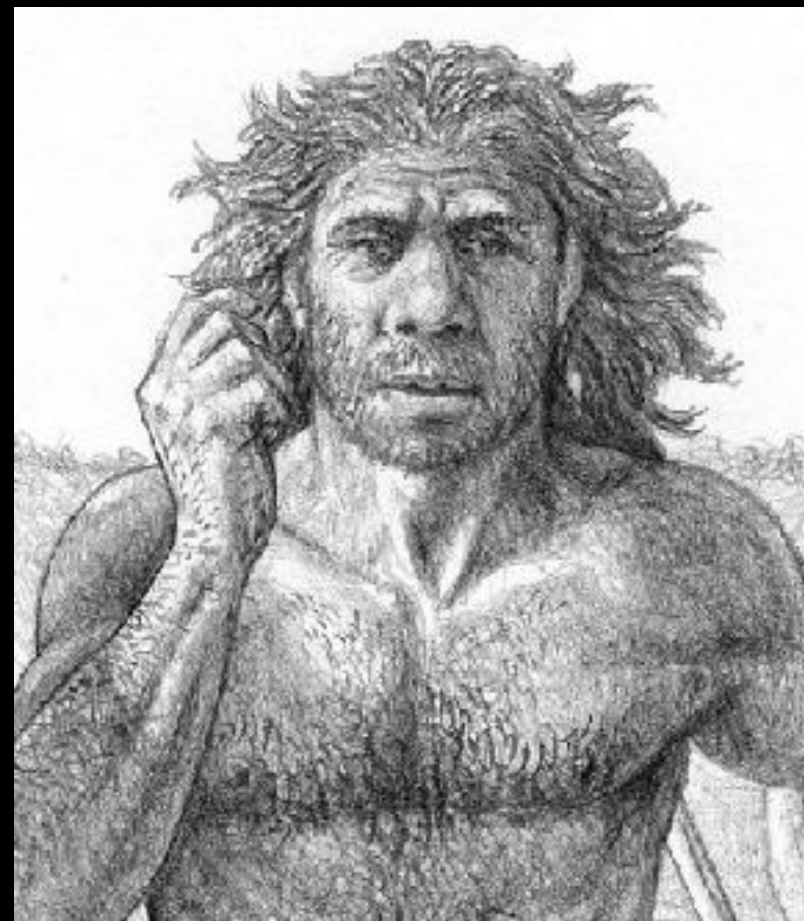


Vloženo  
delo

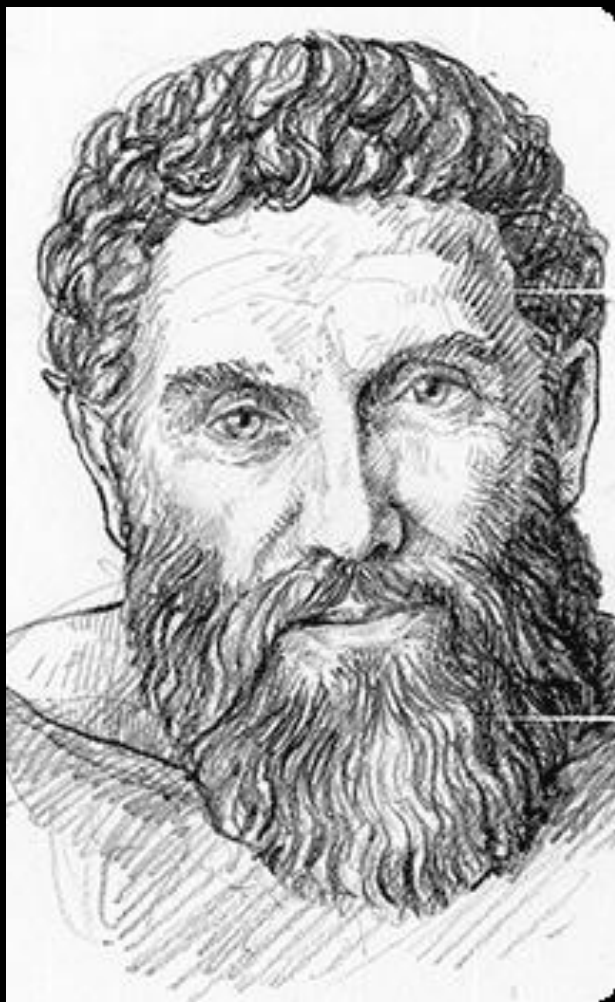


Prejeta  
energija

$$\text{EROEI} = \frac{\text{Energy Received}}{\text{Energy Invested}}$$



1 → 1

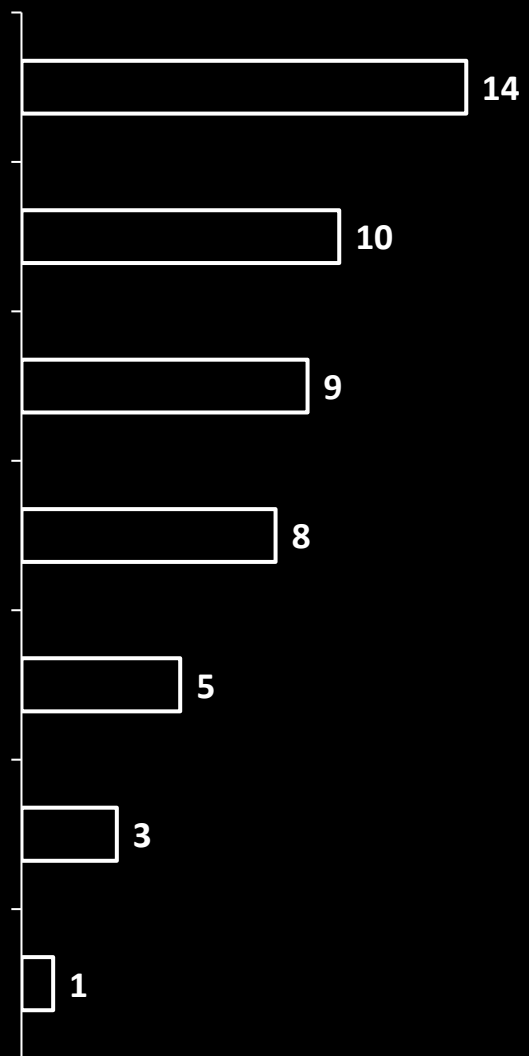


1 → 5

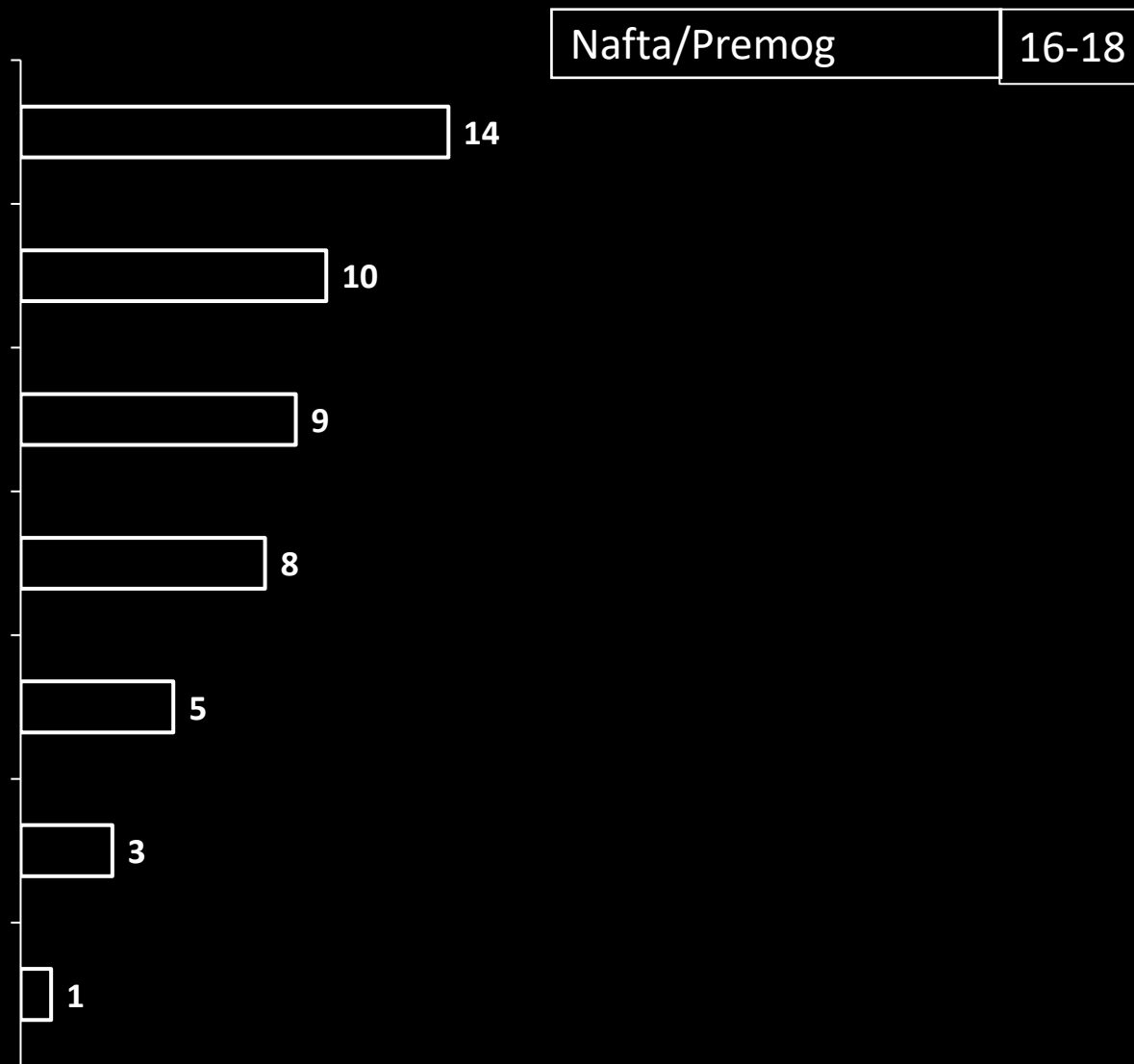


1 → 20

# Razvitost družbe



# Razvitost družbe







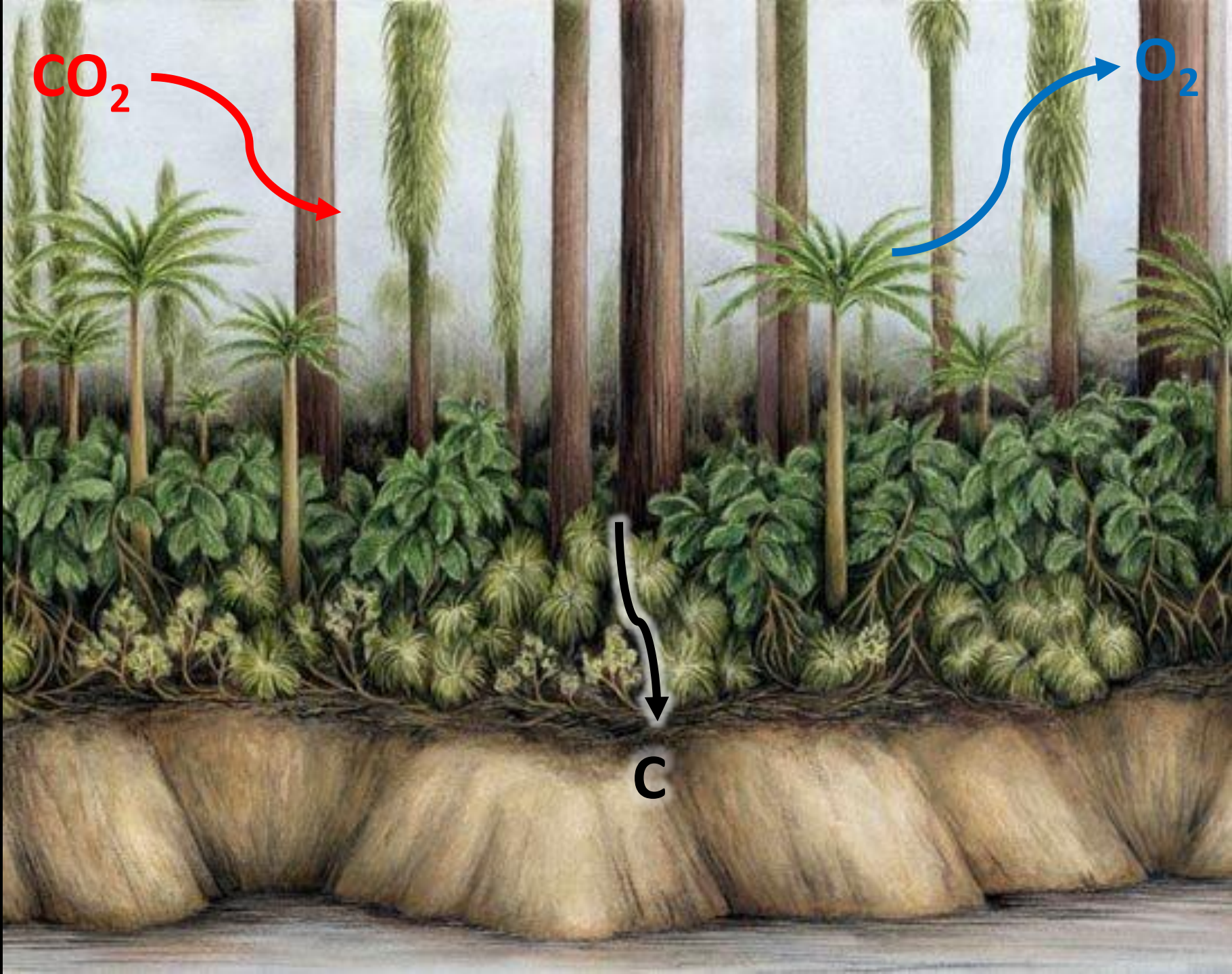
$\text{CO}_2$

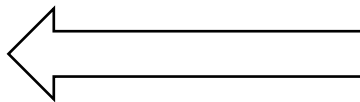
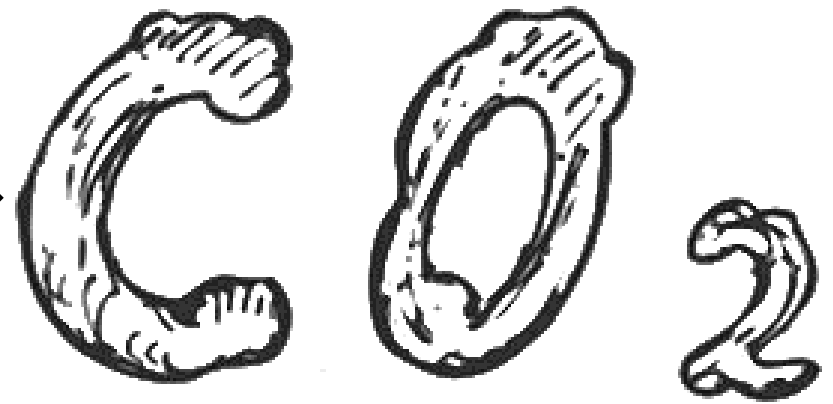
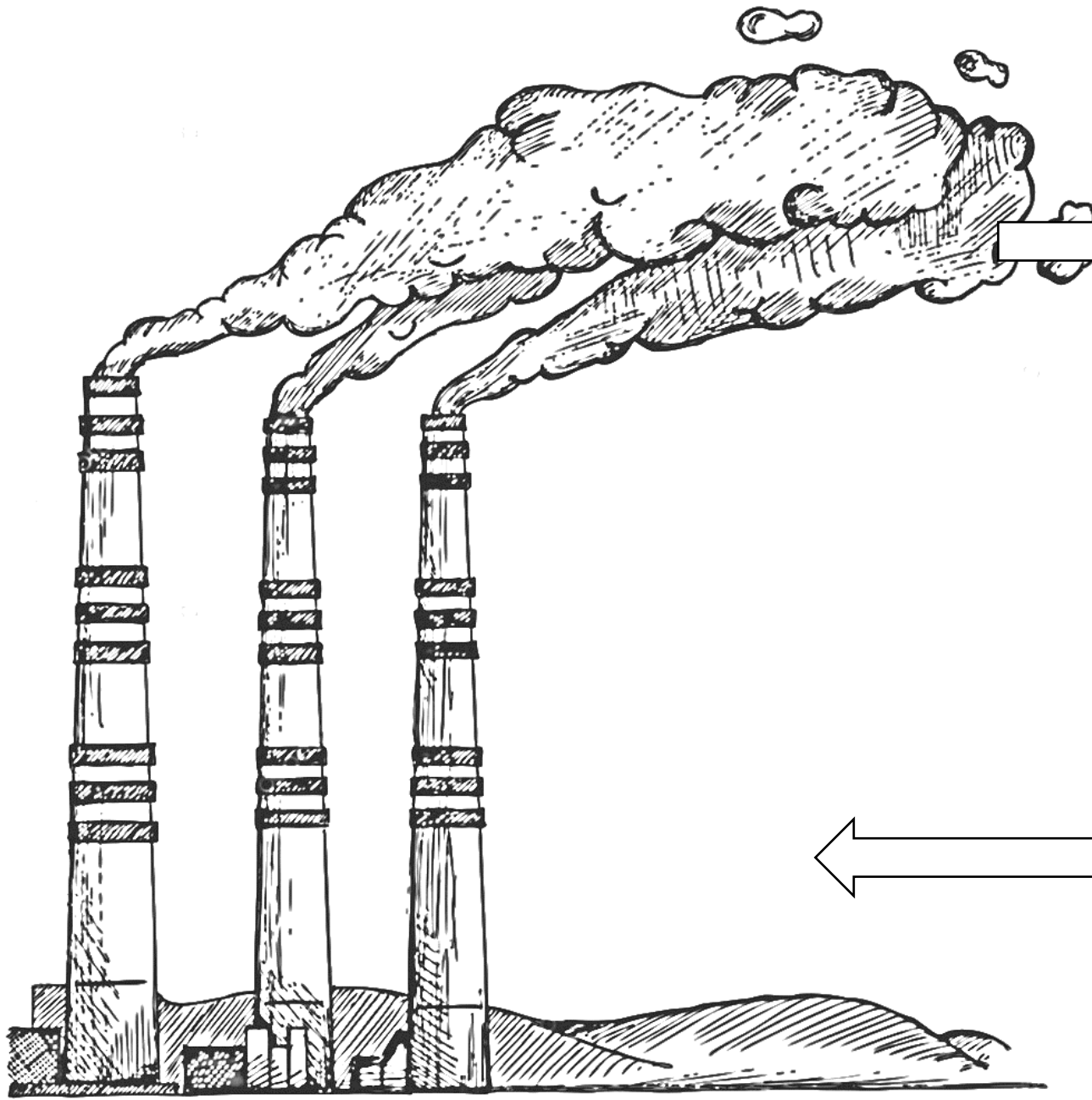


$\text{O}_2$



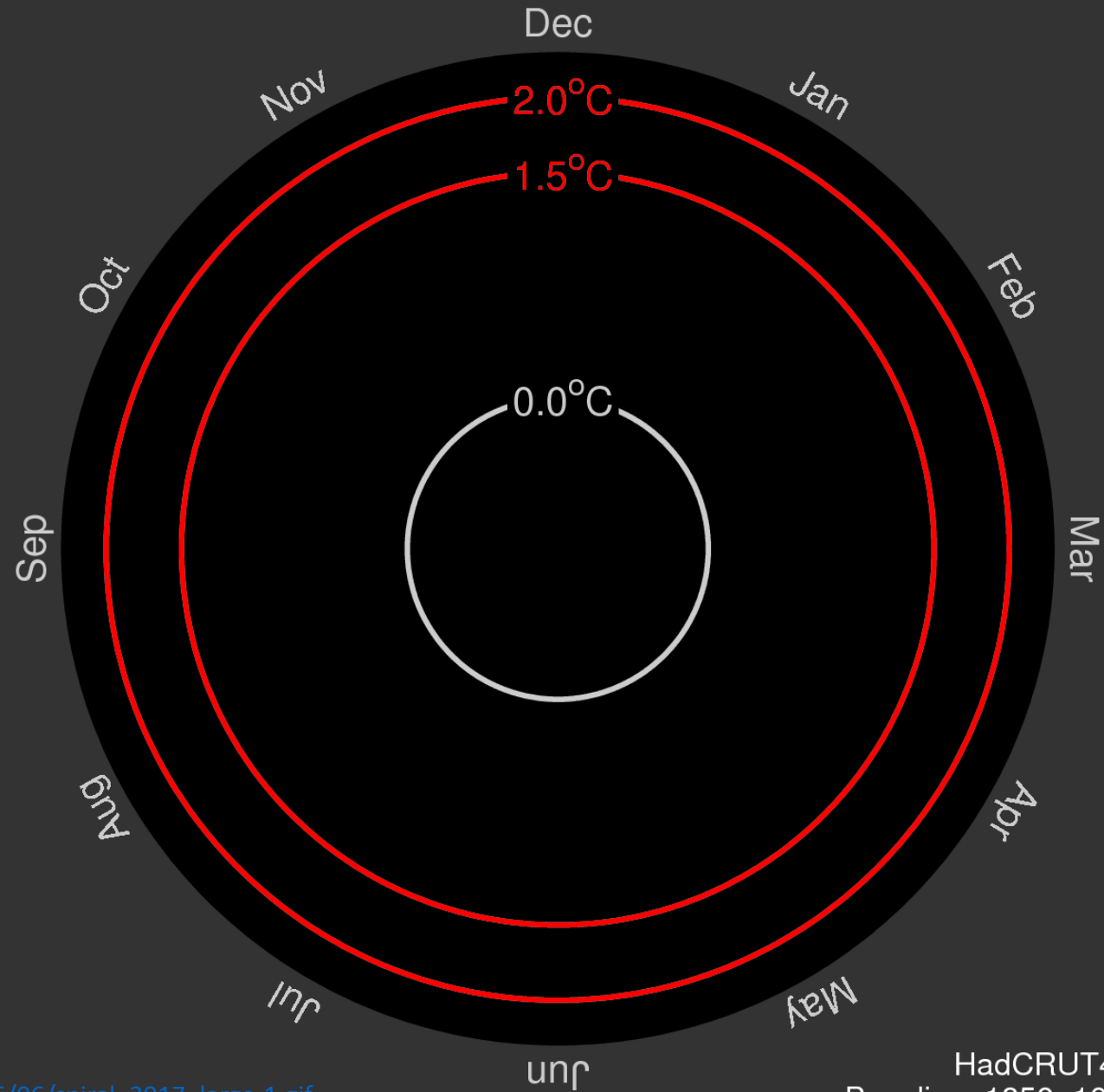
C







# Global temperature change (1850–2017)



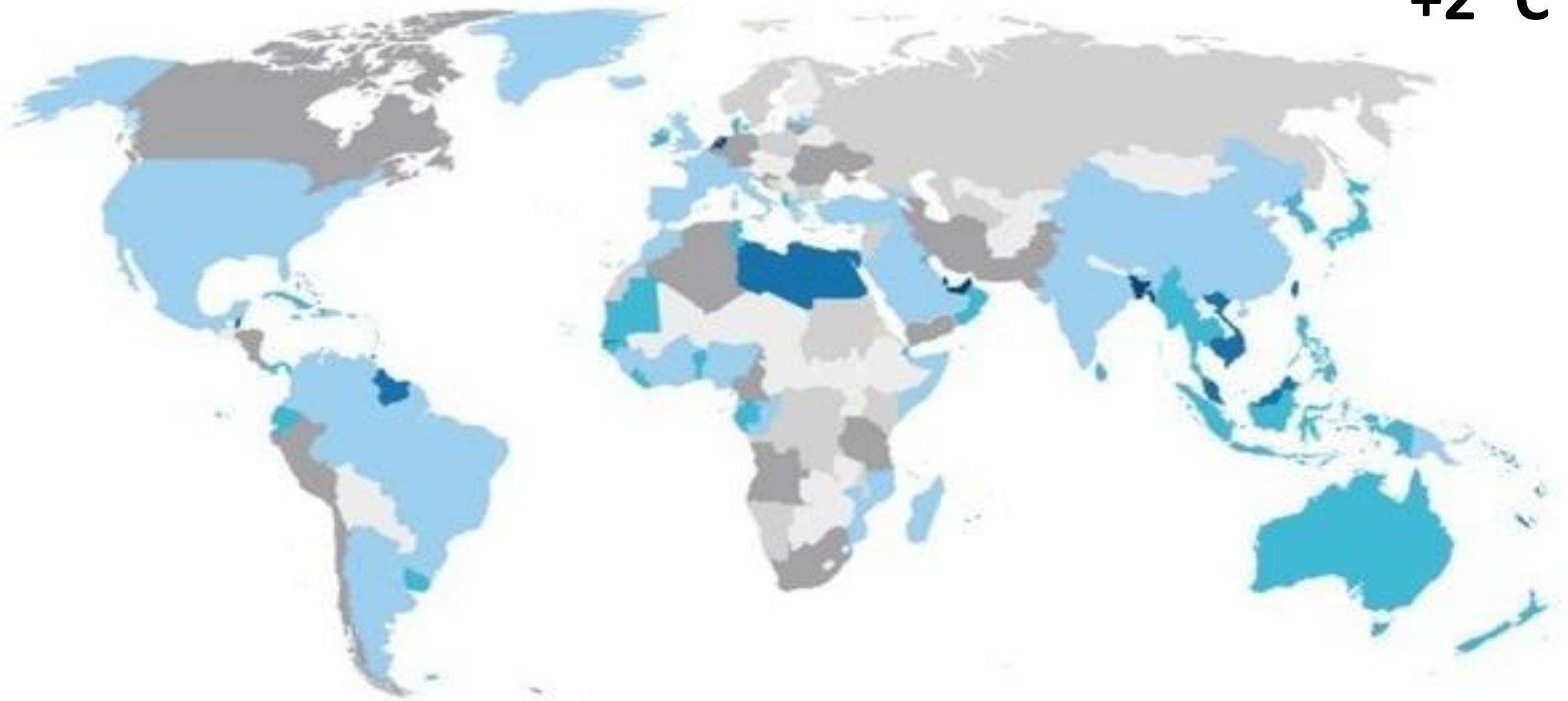
HadCRUT4.6  
Baseline: 1850–1900

+2 °C

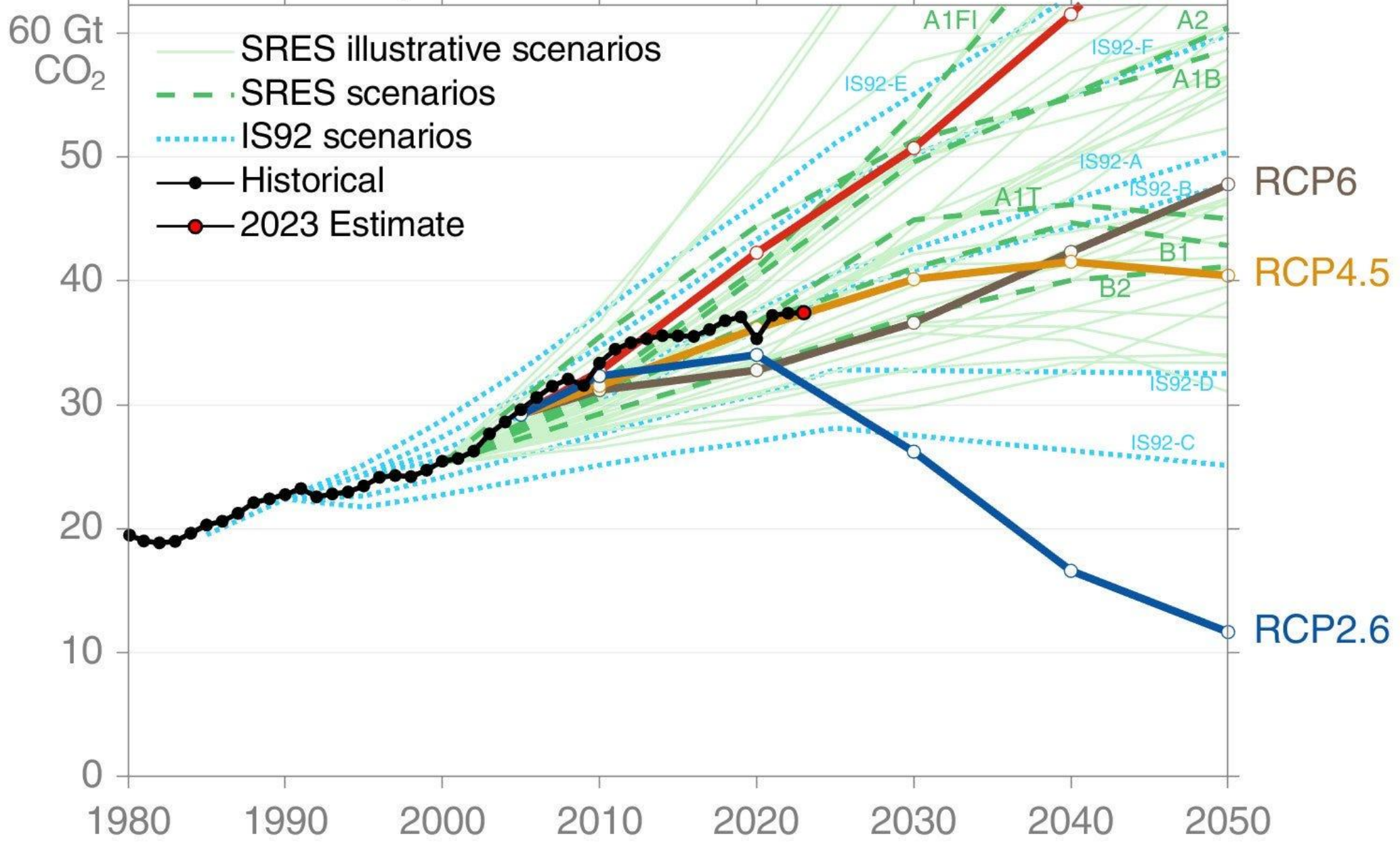


0% 0.1-5 5-10 10-25 25-50 50-75 75-100

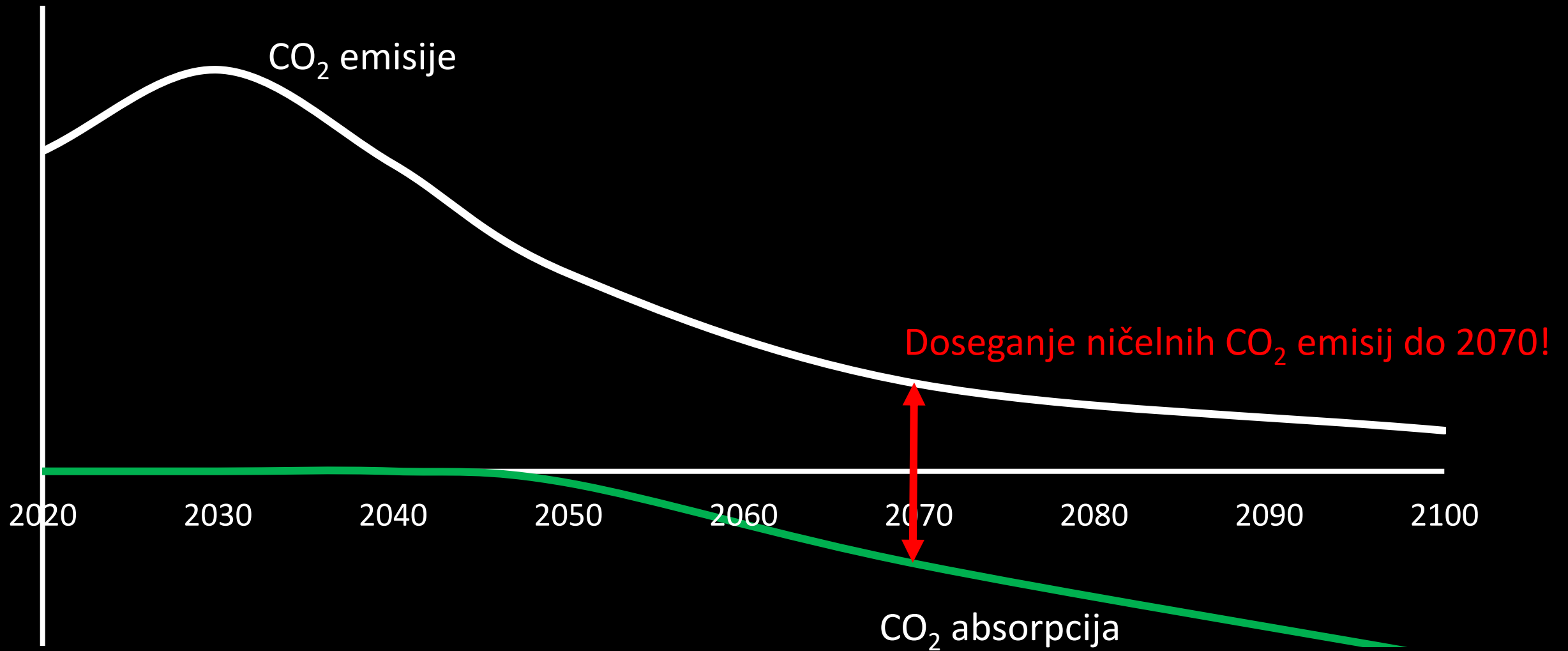
+2 °C



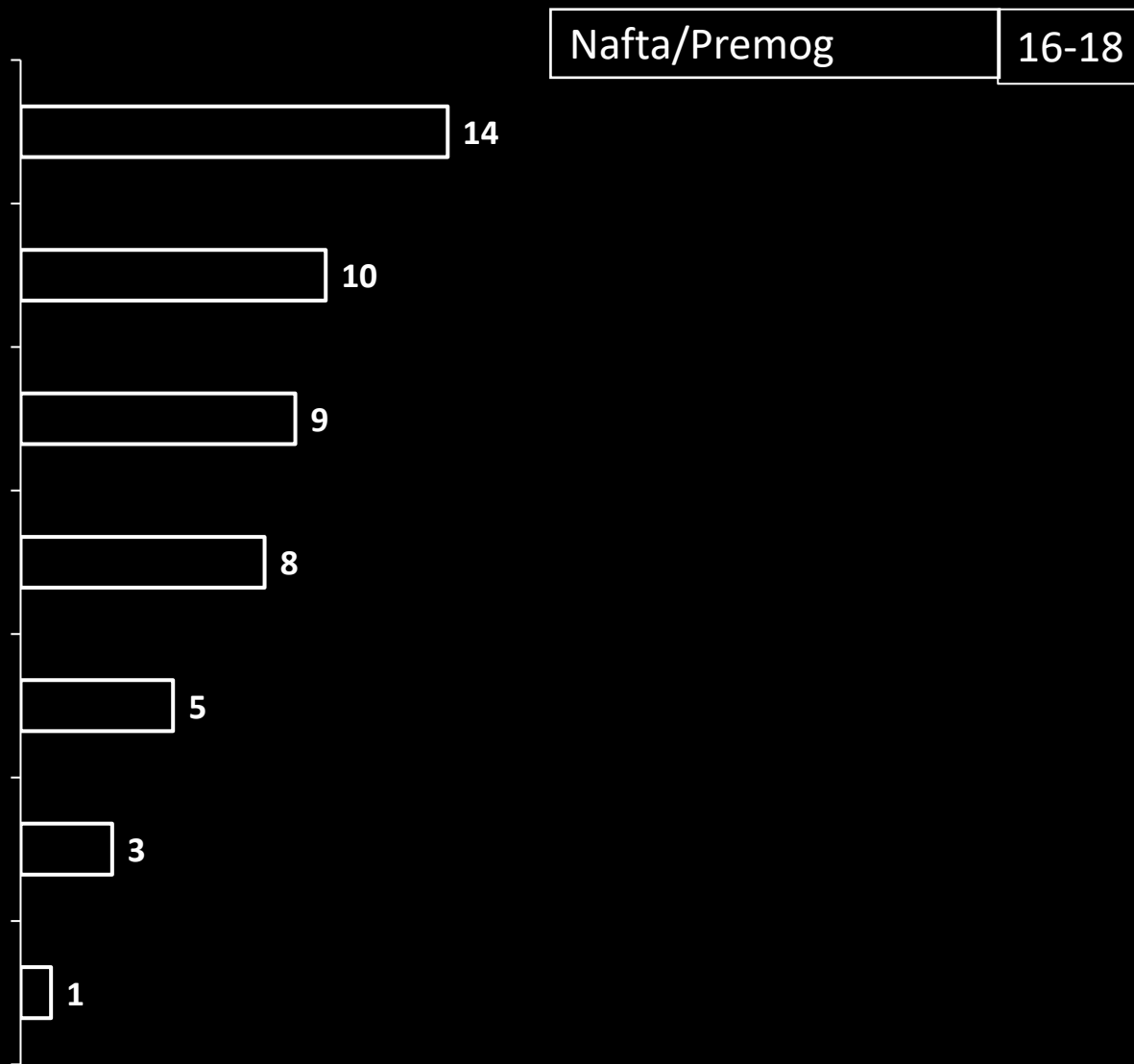
# Total Fossil CO<sub>2</sub> Emissions



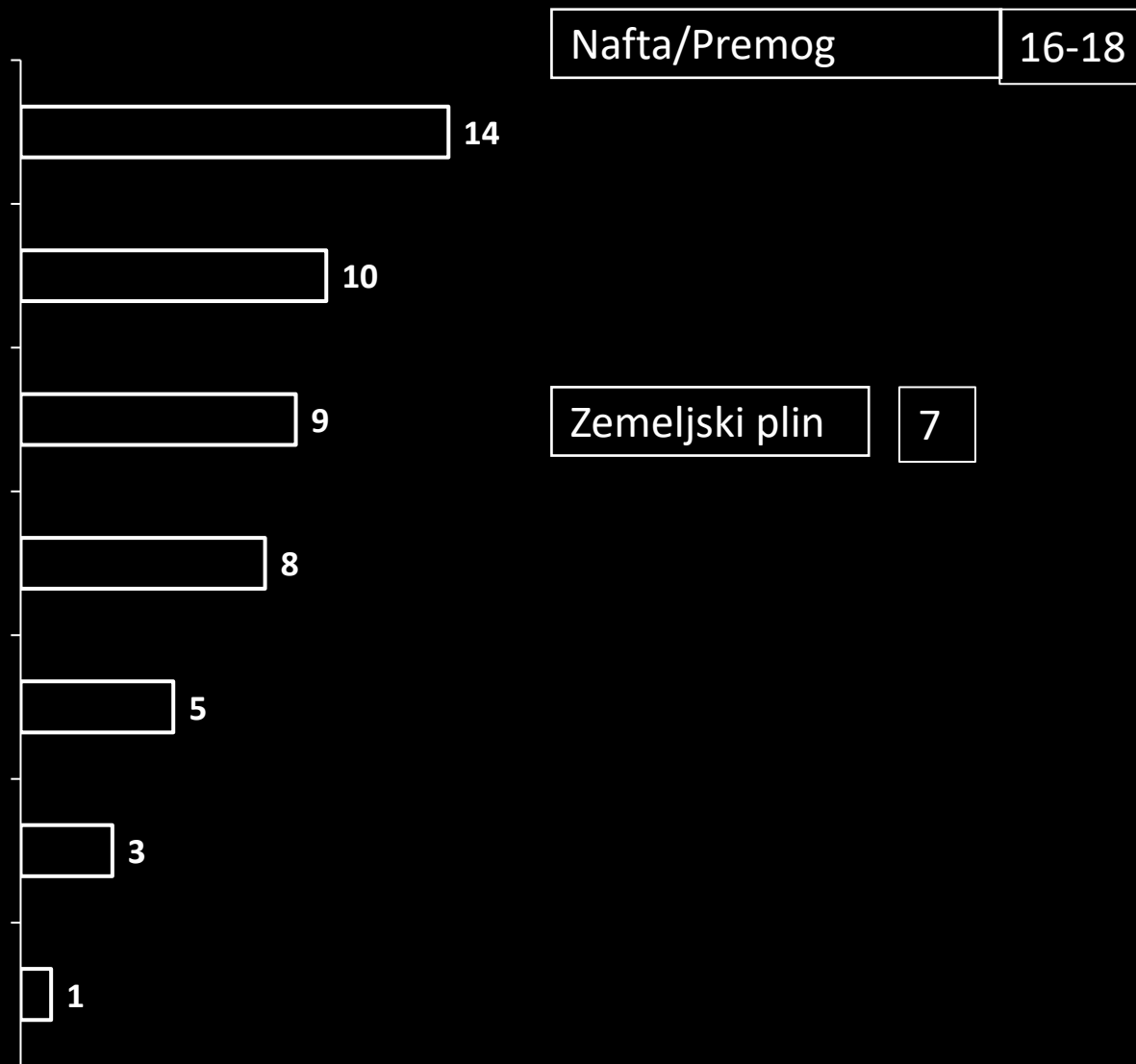
# Shellov scenarij



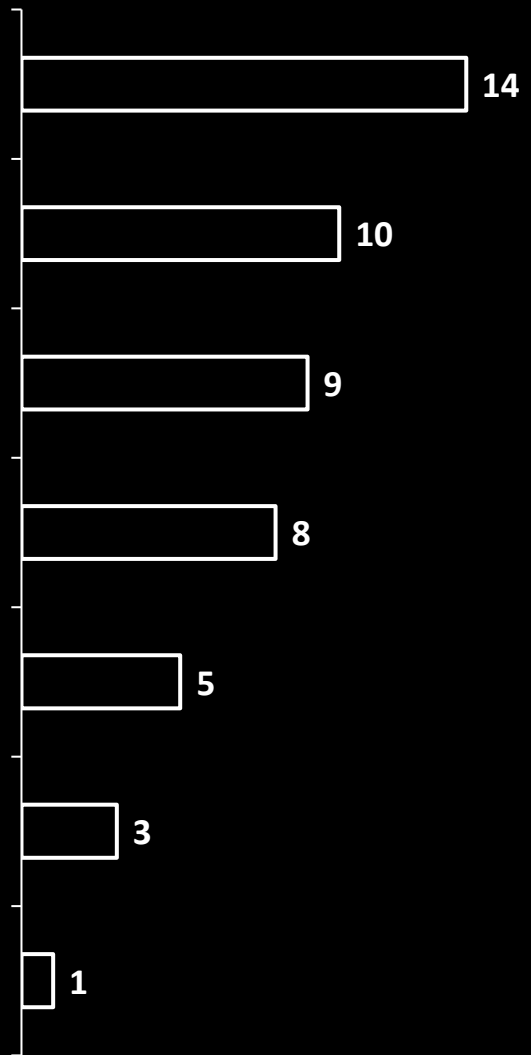
# Razvitost družbe



# Razvitost družbe



# Razvitost družbe



Jedraska	60
----------	----

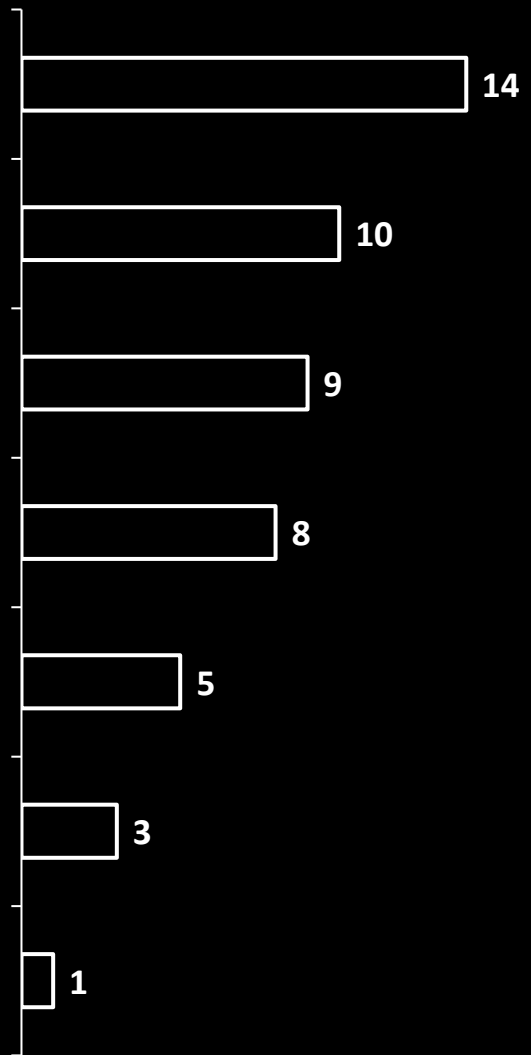
Nafta/Premog	16-18
--------------	-------

Zemeljski plin	7
----------------	---





# Razvitost družbe

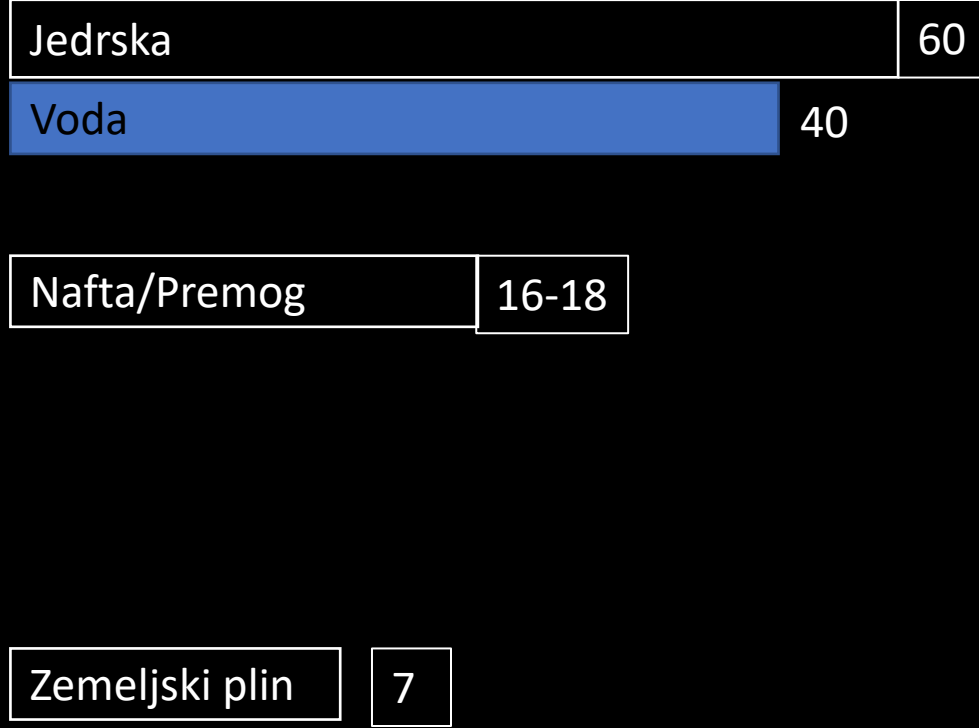
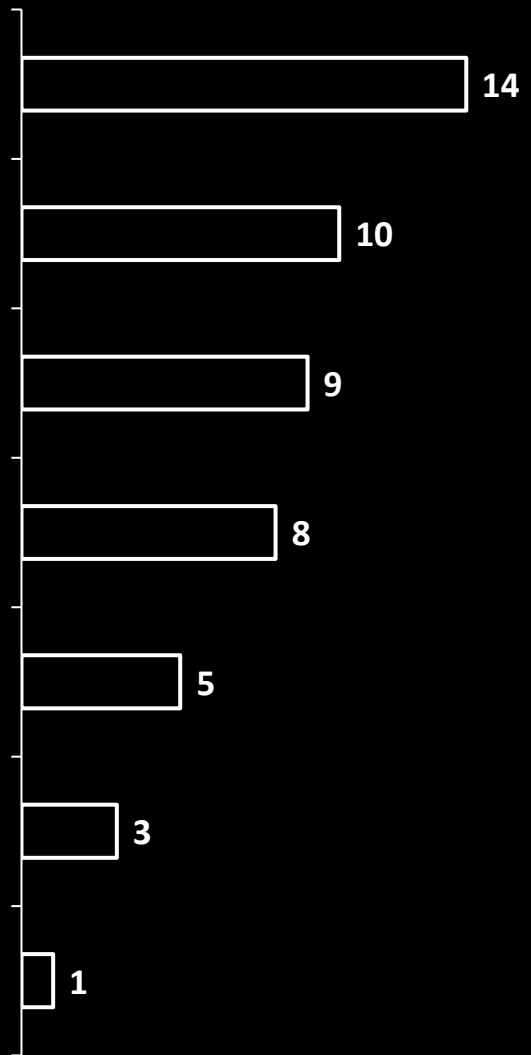


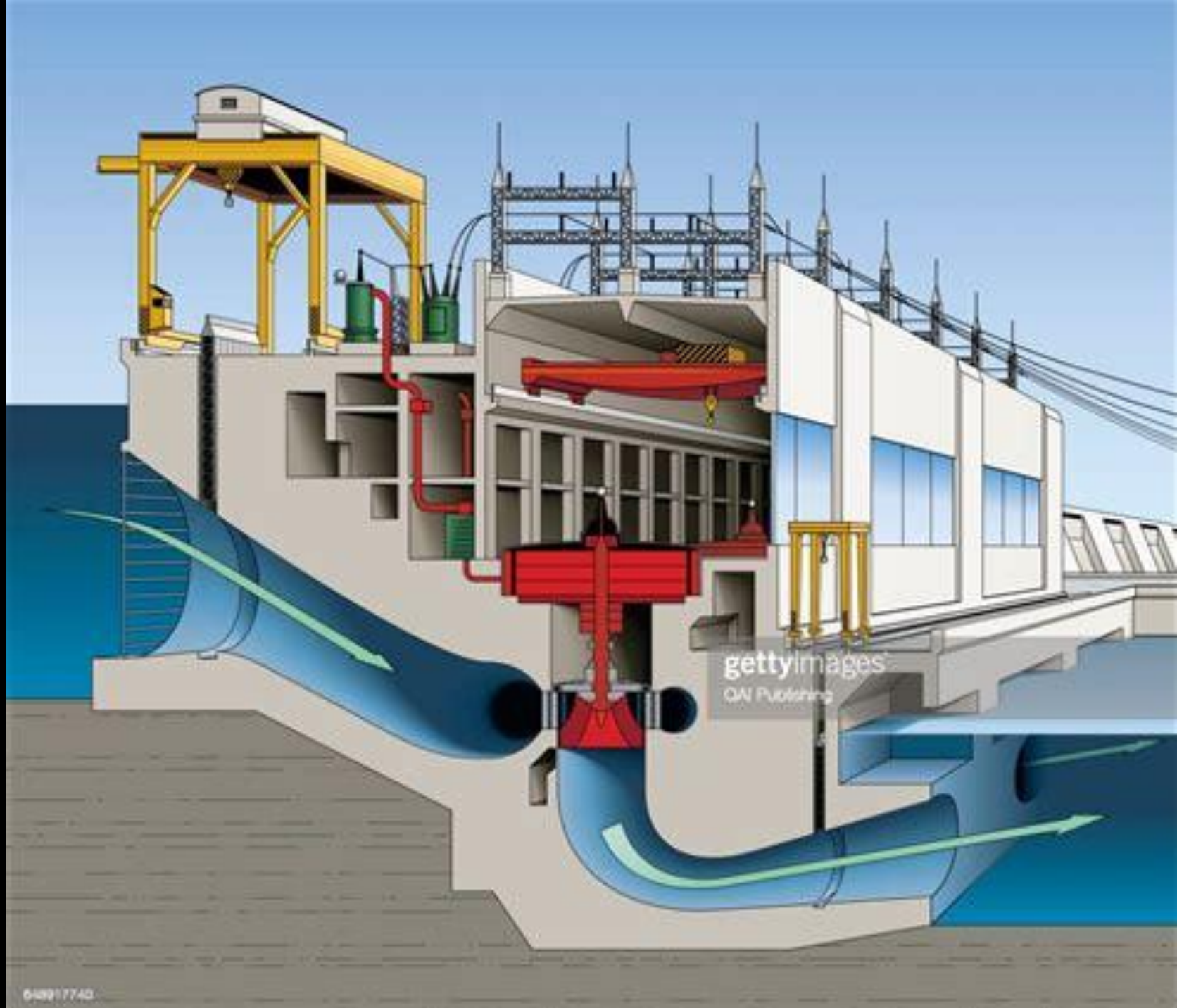
Jedraska	60
----------	----

Nafta/Premog	16-18
--------------	-------

Zemeljski plin	7
----------------	---

# Razvitost družbe



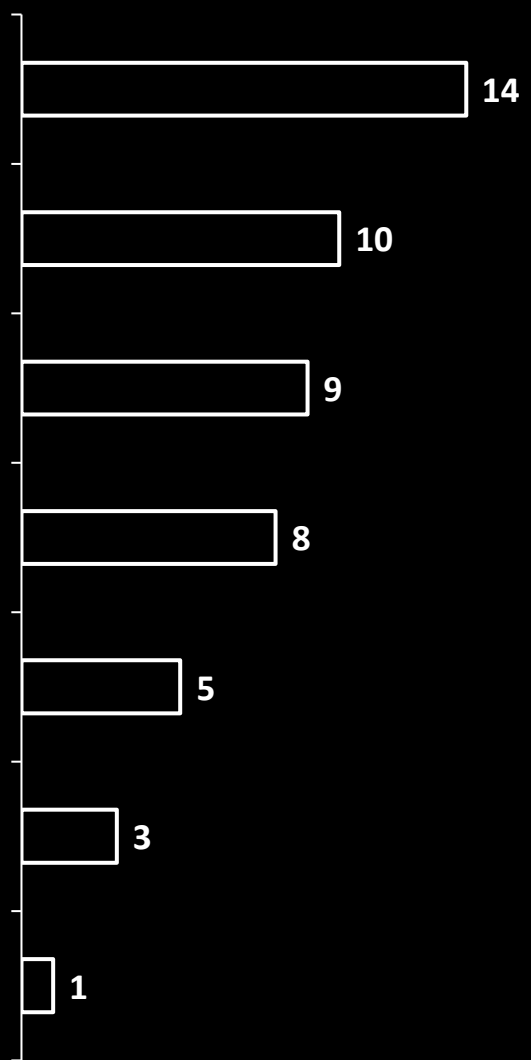




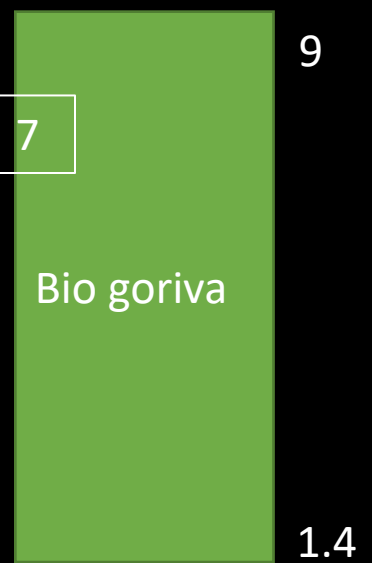
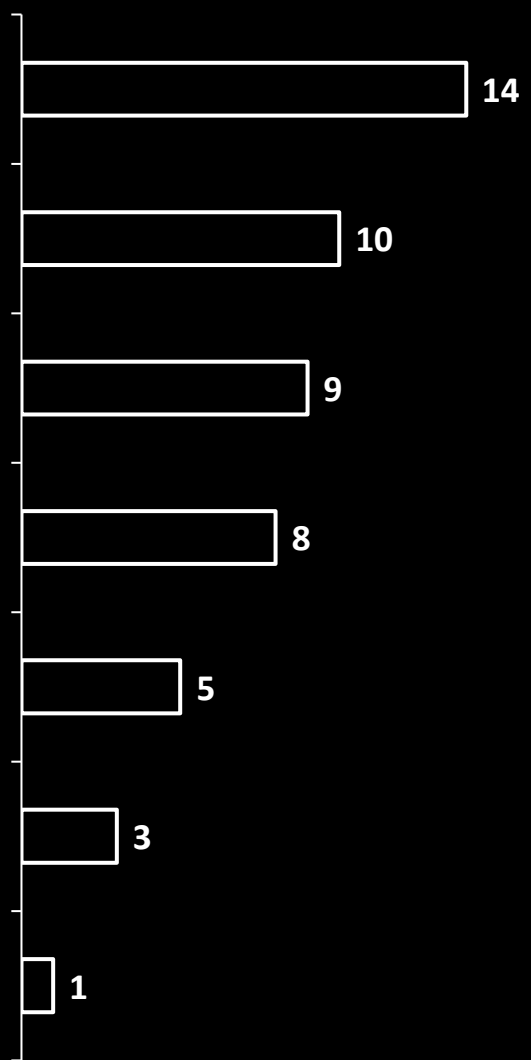
Površina krogca ustreza letni proizvodnji elektrarne



# Razvitost družbe

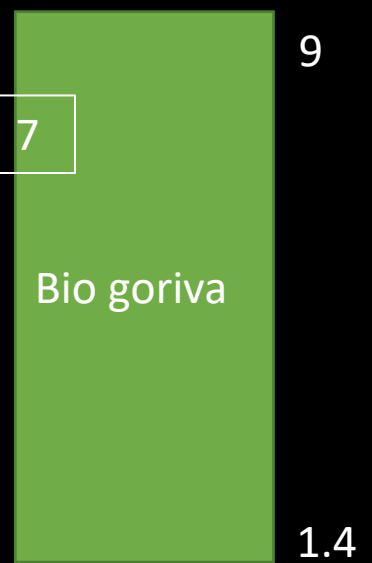
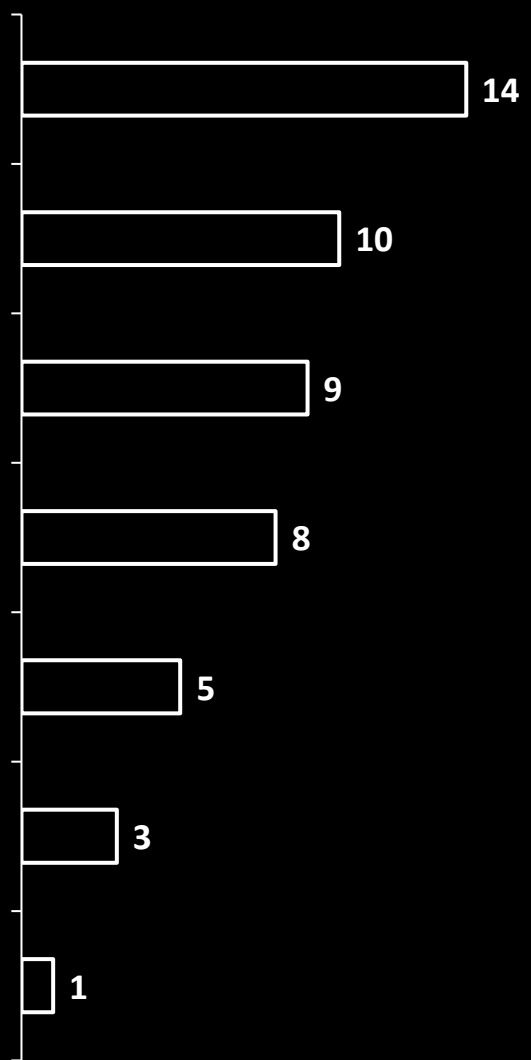


# Razvitost družbe

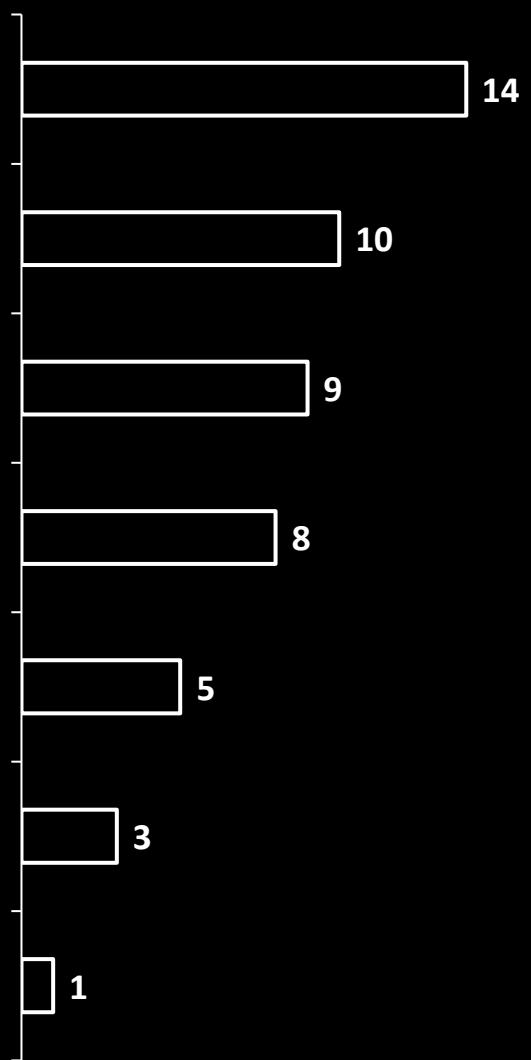




# Razvitost družbe

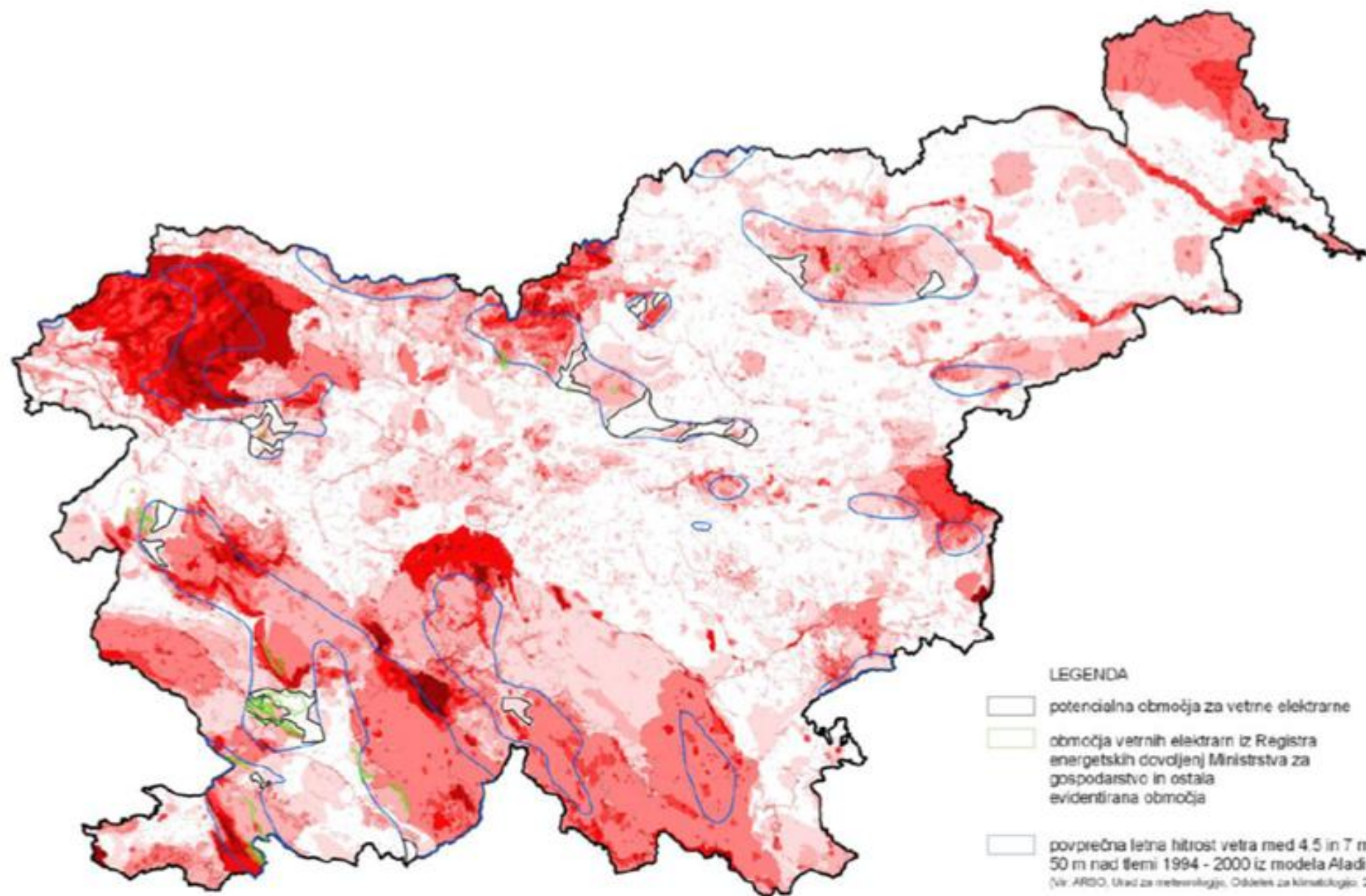


# Razvitost družbe



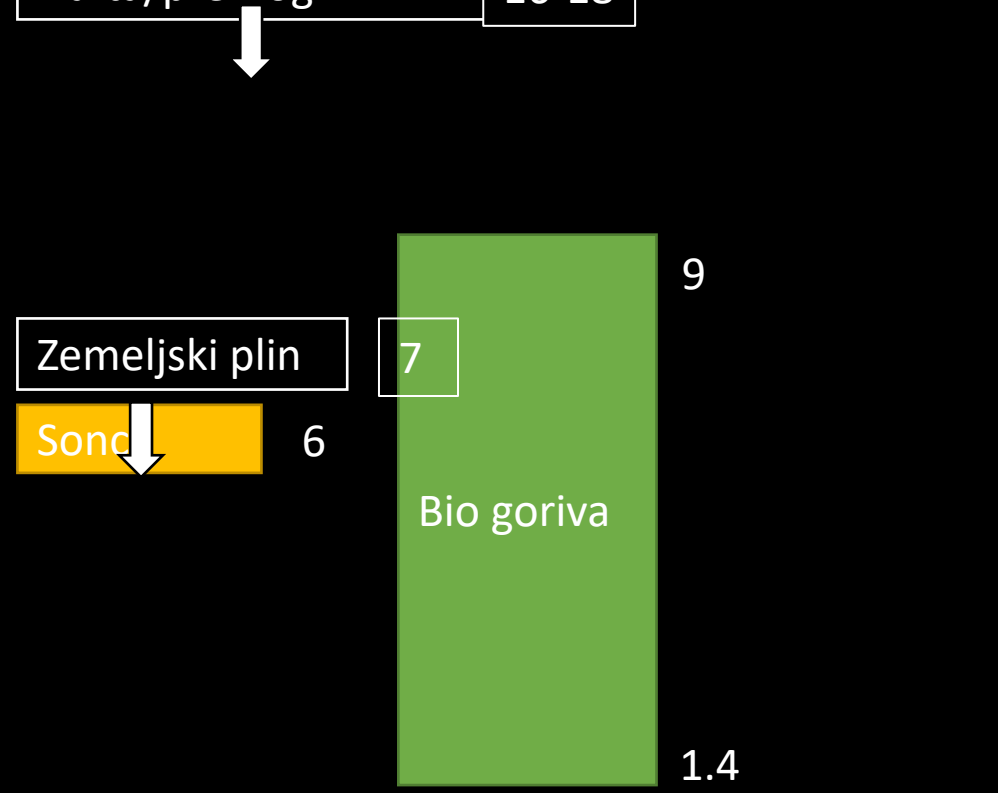
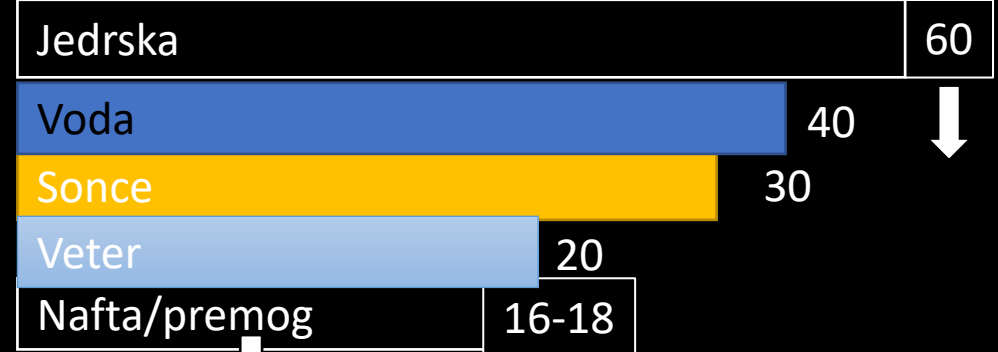
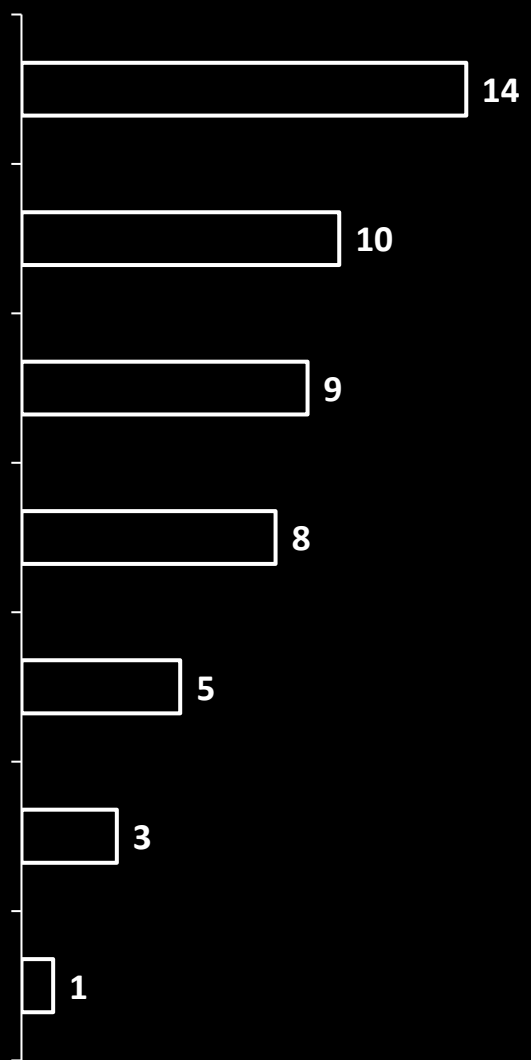


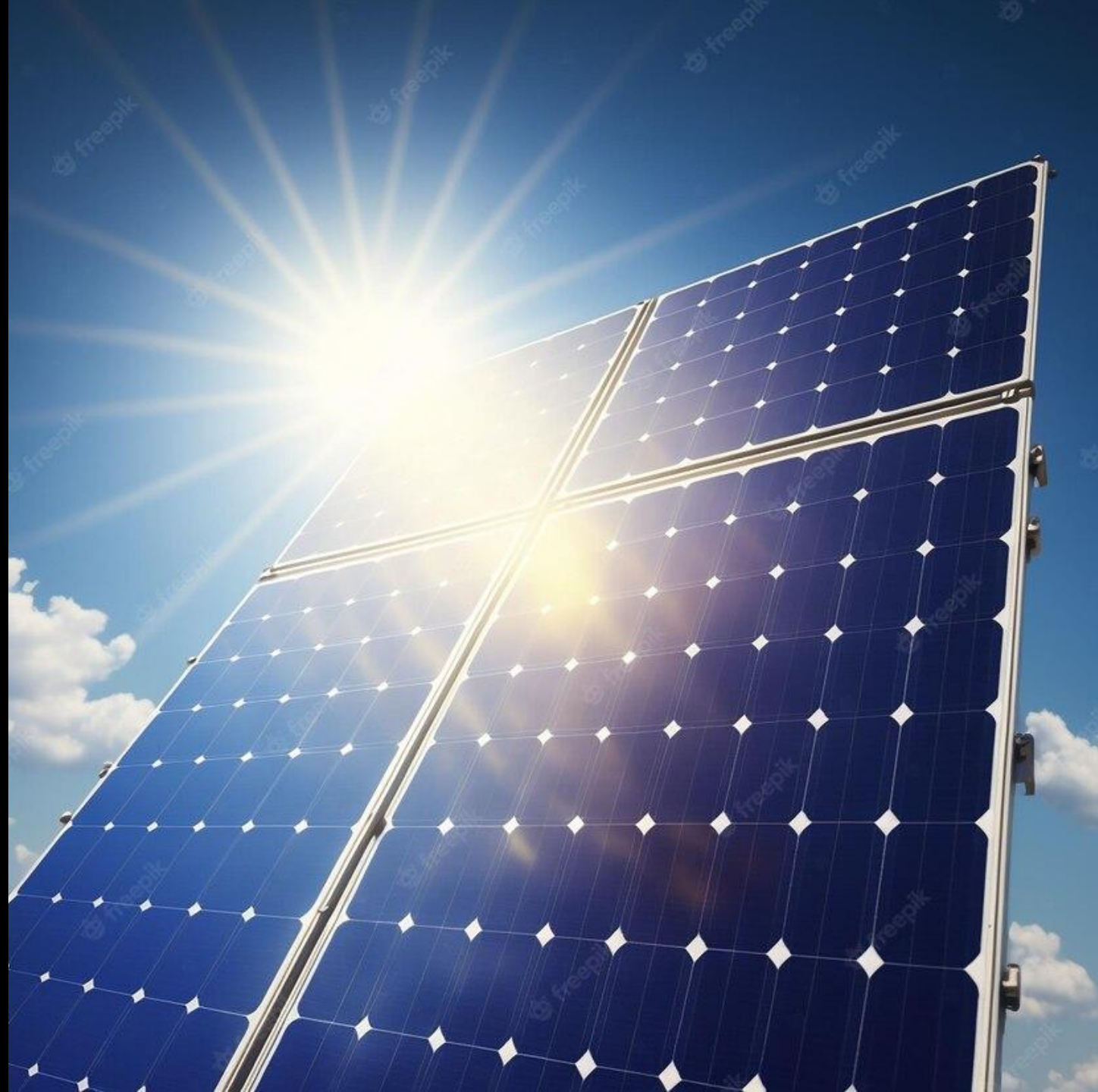






# Razvitost družbe







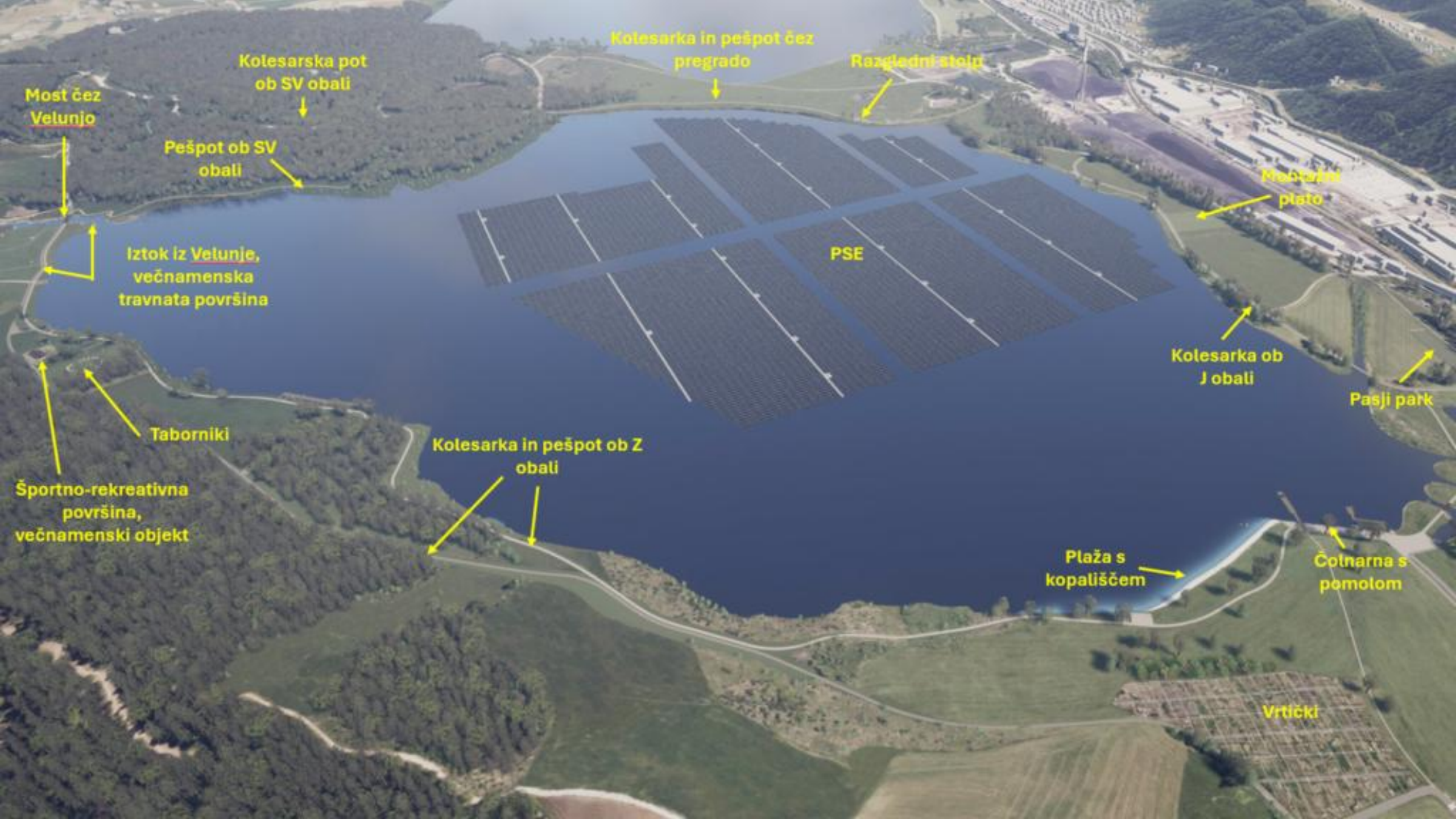
Data SIO, NOAA, U.S. Navy, NGA, GEBCO  
Image Landsat / Copernicus  
Image IBCAO











Most čez Velunjo

Kolesarska pot ob SV obali

Pešpot ob SV obali

Iztok iz Velunje, večnamenska travnata površina

Kolesarka in pešpot čez pregrado

Razgledni stolpi

Montažni plato

Kolesarka ob J obali

Pasji park

Taborniki

Kolesarka in pešpot ob Z obali

Športno-rekreativna površina, večnamenski objekt

Plaza s kopališčem

Čolnarna s pomolom

Vrtički

PSE

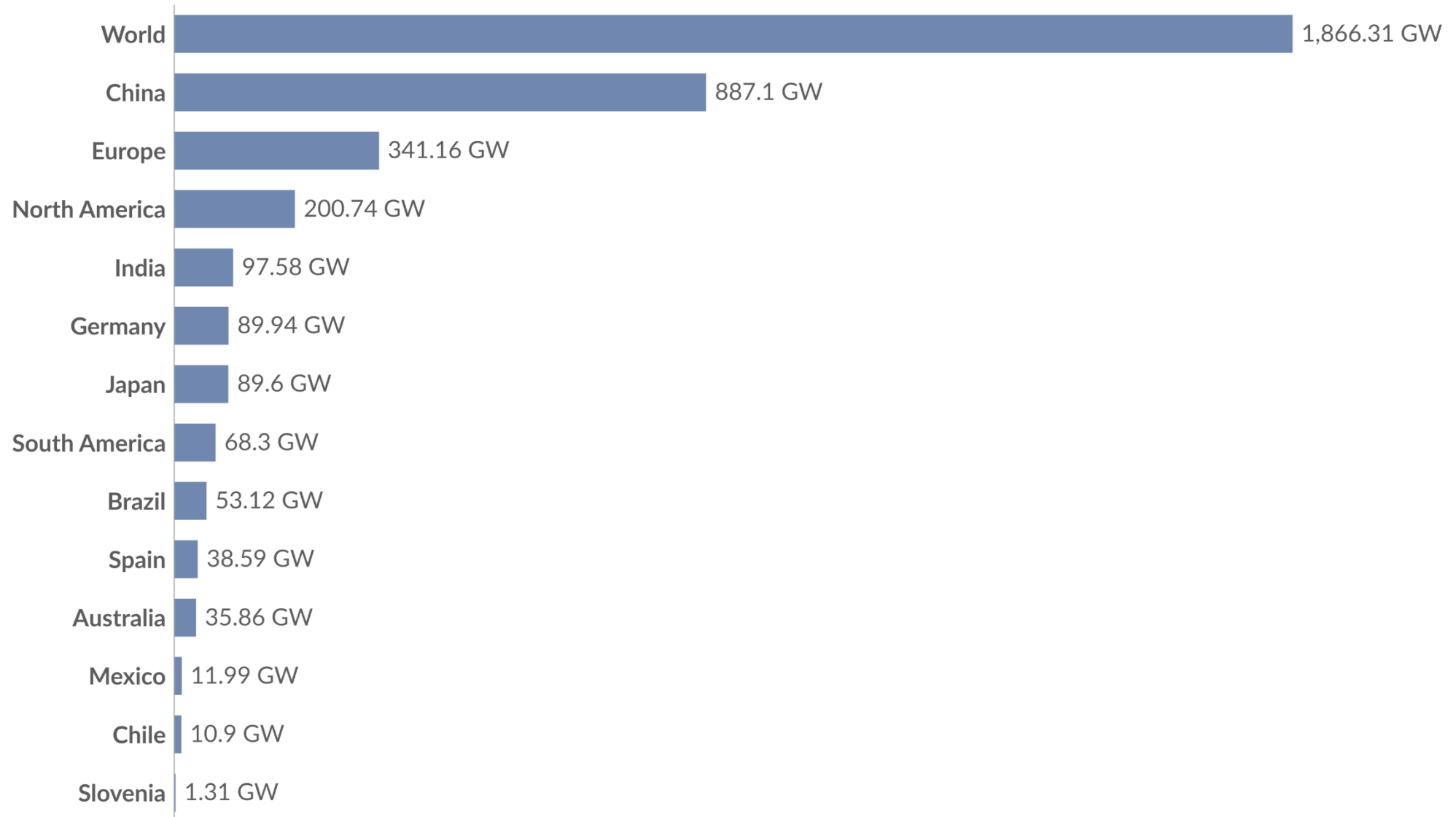


Data SIO, NOAA, U.S. Navy, NGA, GEBCO  
Image IBCAO  
Image Landsat / Copernicus



# Installed solar energy capacity, 2024

Cumulative installed solar capacity, measured in gigawatts (GW).





Data SIO, NOAA, U.S. Navy, NGA, GEBCO  
Image IBCAO  
Image U.S. Geological Survey











PROSTOR  
ZA  
GIBLICE





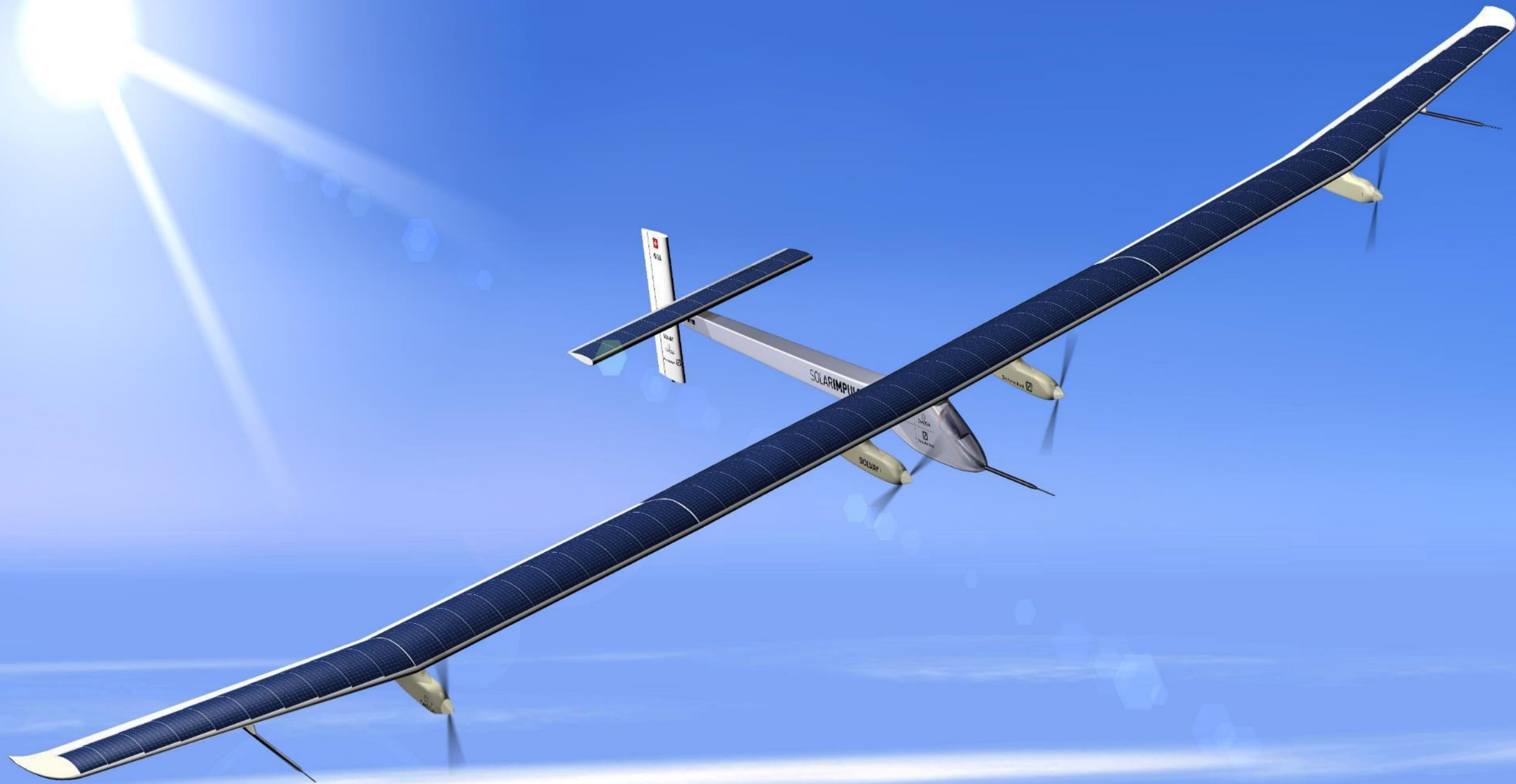


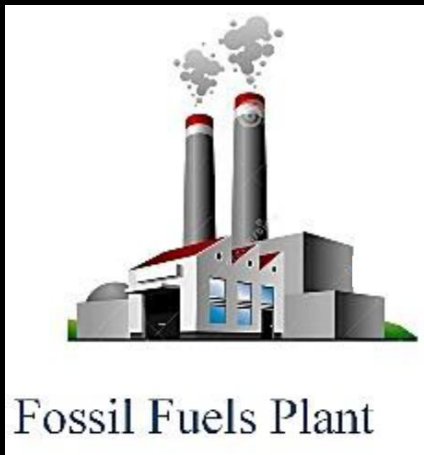












Fossil Fuels Plant



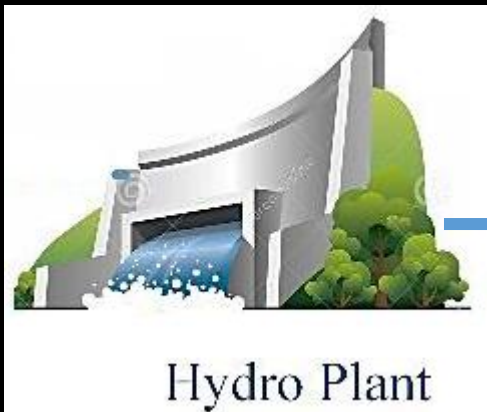
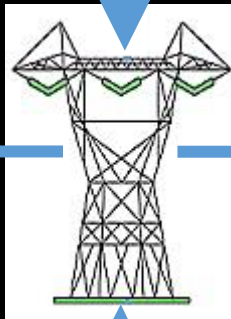
Wind Park



Industries



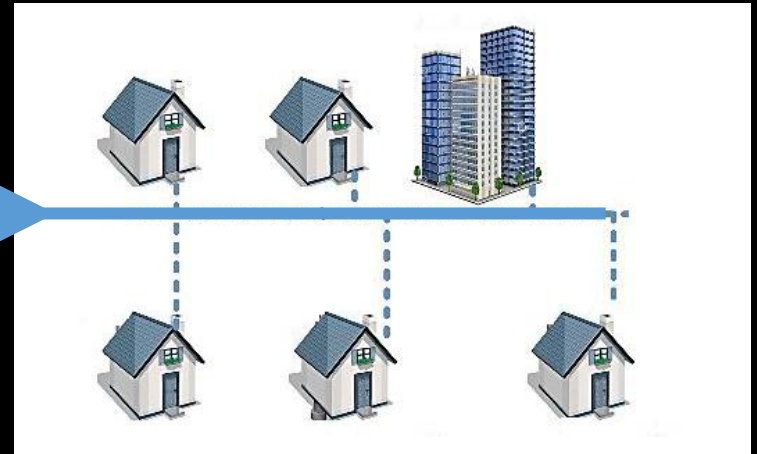
Nuclear Plant



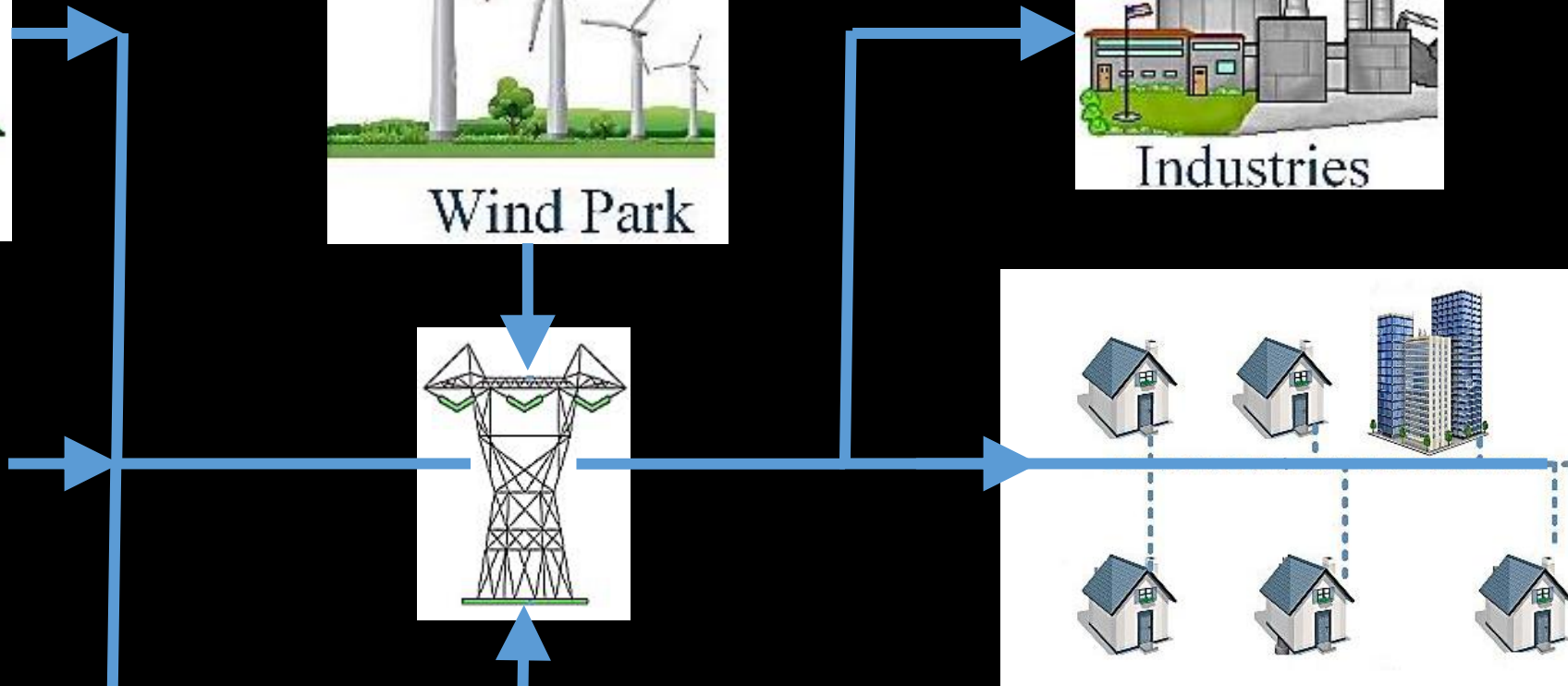
Hydro Plant

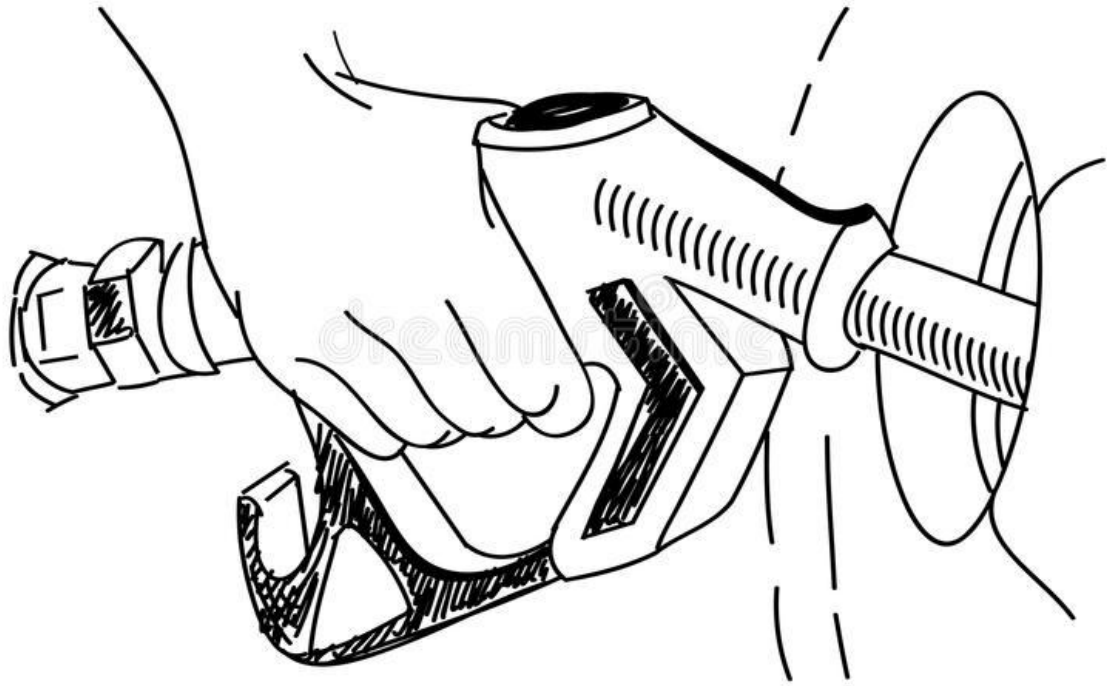


Solar Park

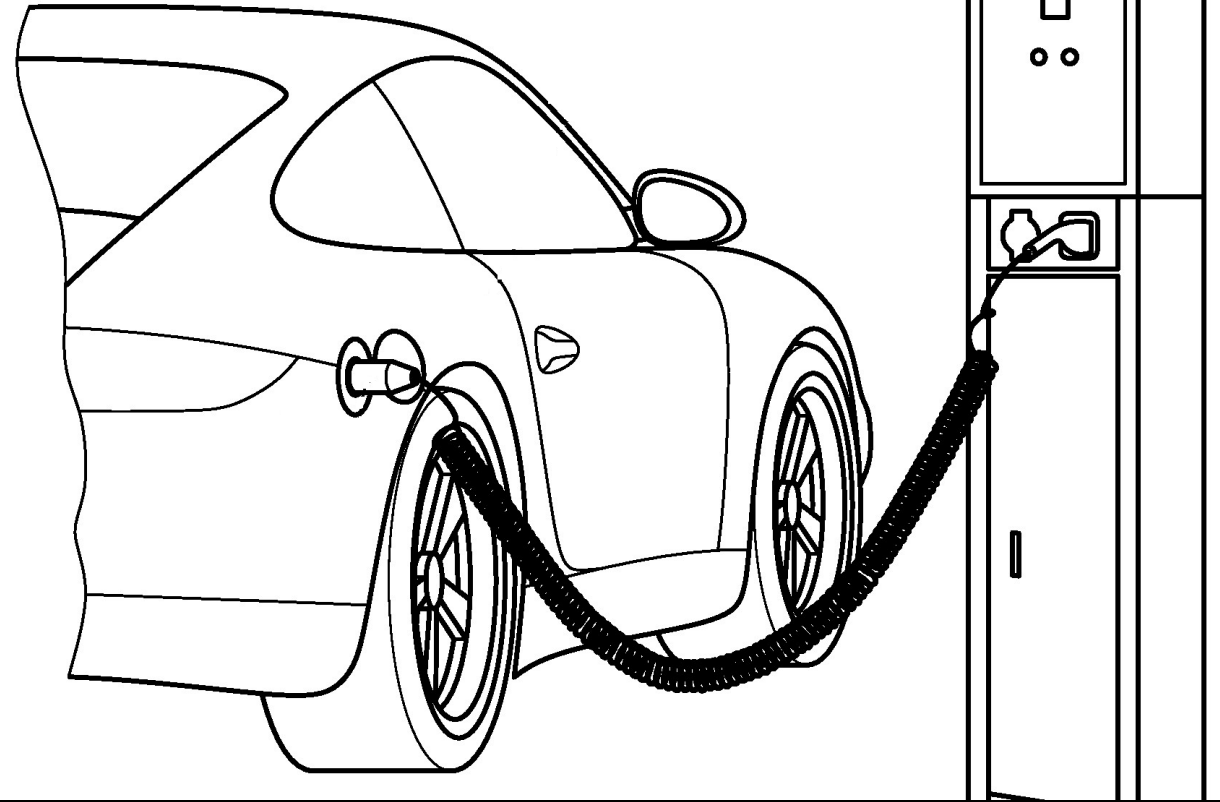


Household

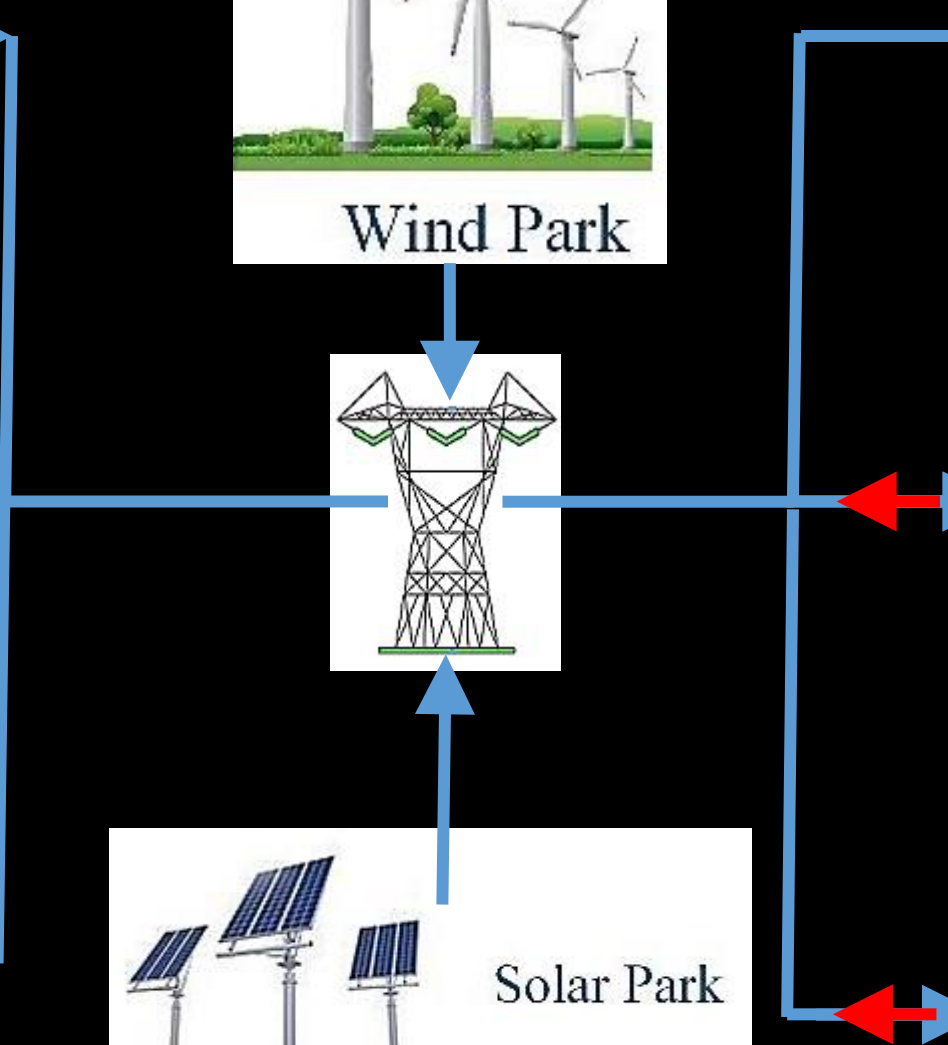
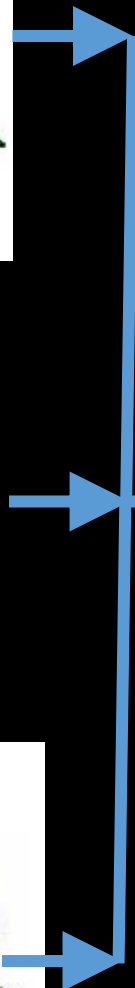
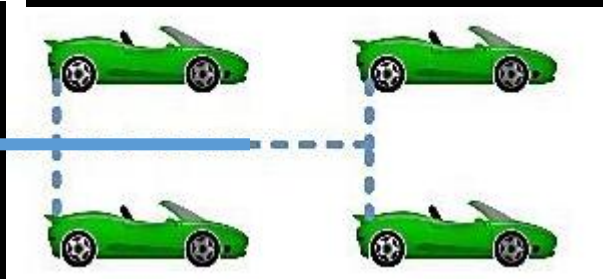
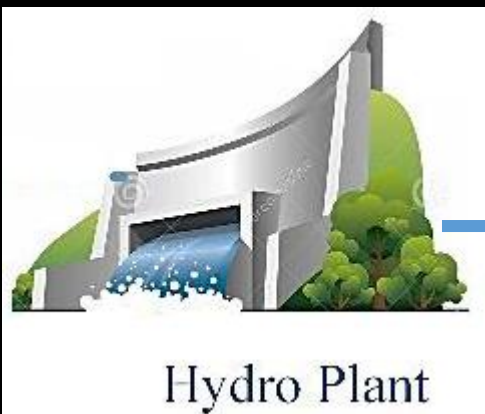
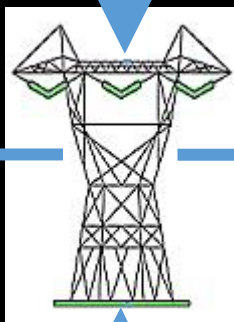
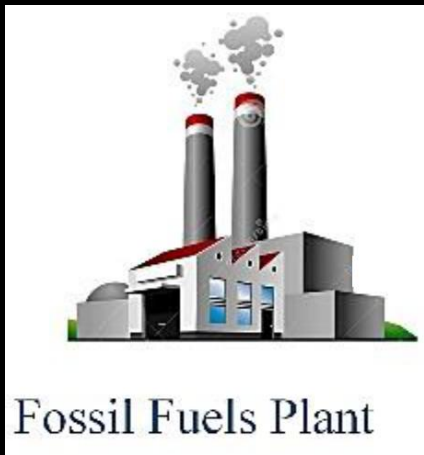


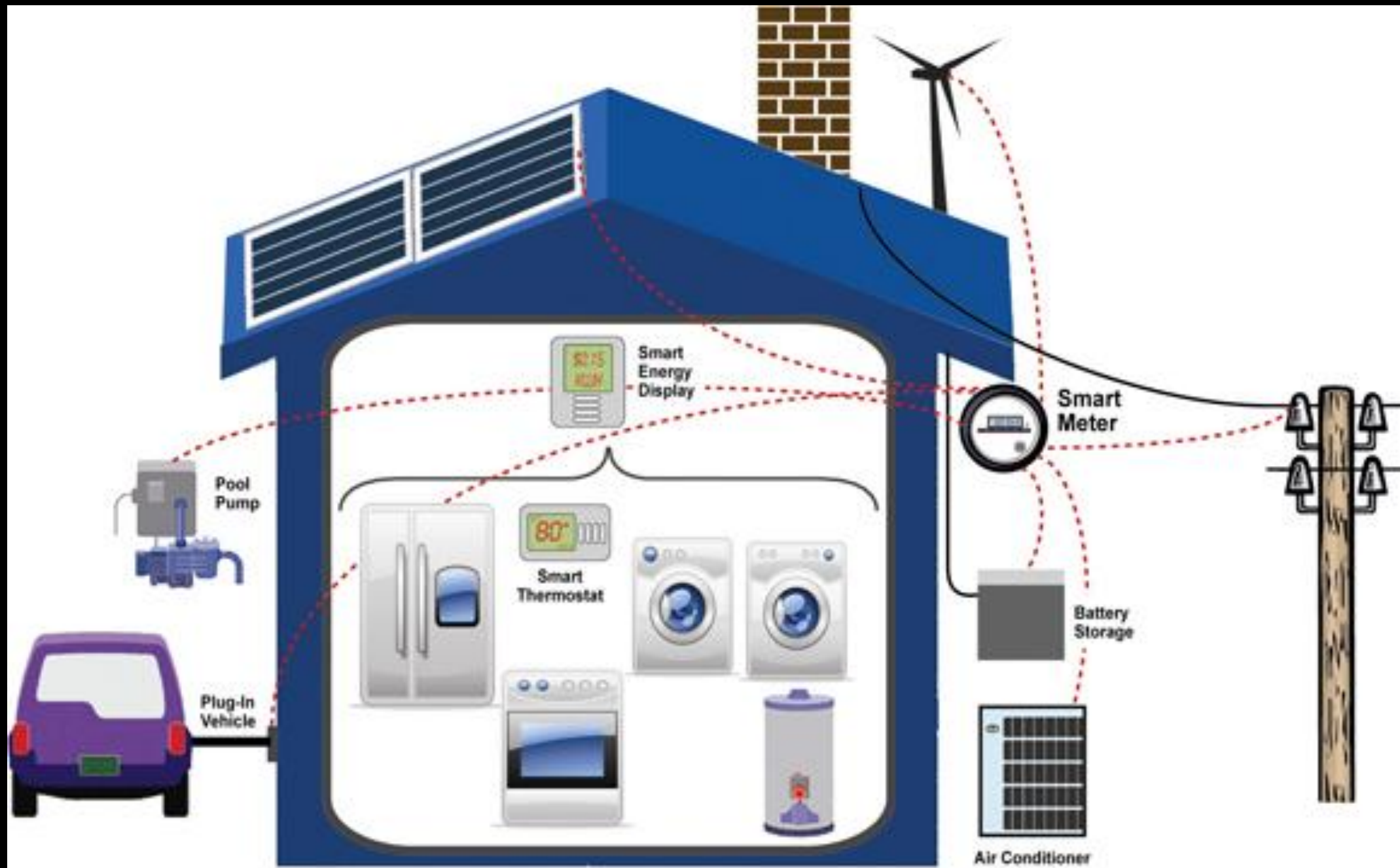


30 MW @ 1 min



6 MW @ 1 min





Energetika

Distribucijska  
omrežja

Mehatronika

Elektronika

Električna  
mobilnost



Komunikacijske  
tehnologije

Internet stvari  
Obdelava podatkov

Programiranje

Umetna inteligenca

Multimedija

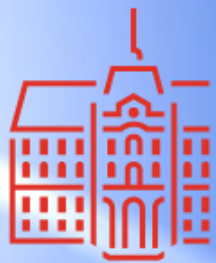
Sociologija



**DANES: večina elektrike iz premoga in nafte**



Leta 2070 brez oddajanja CO<sub>2</sub>



**FE**

**UNIVERZA V LJUBLJANI**  
**Fakulteta za elektrotehniko**



#Think BIG

<https://solarimpulse.com/>