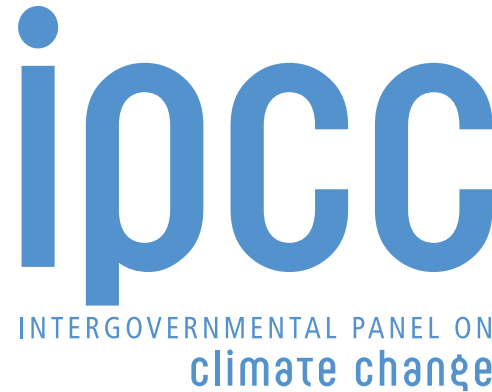


Izveštaj Međuvladinog panela za kimatske promene (IPCC): 1,5°C

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Institut za meteorologiju, Fizički fakultet

Kratak istorijat ...



Osnovan 1988.

kao naslednik *Advisory Group on Greenhouse Gases* koji je formiran 1985.
(ICSU, UNEP & WMO)

IPPC ne "realizuje" sopstvena istraživanja.

Kratak istorijat ...



United Nations Framework
Convention on Climate Change

Usvojen 9 Maja 1992.

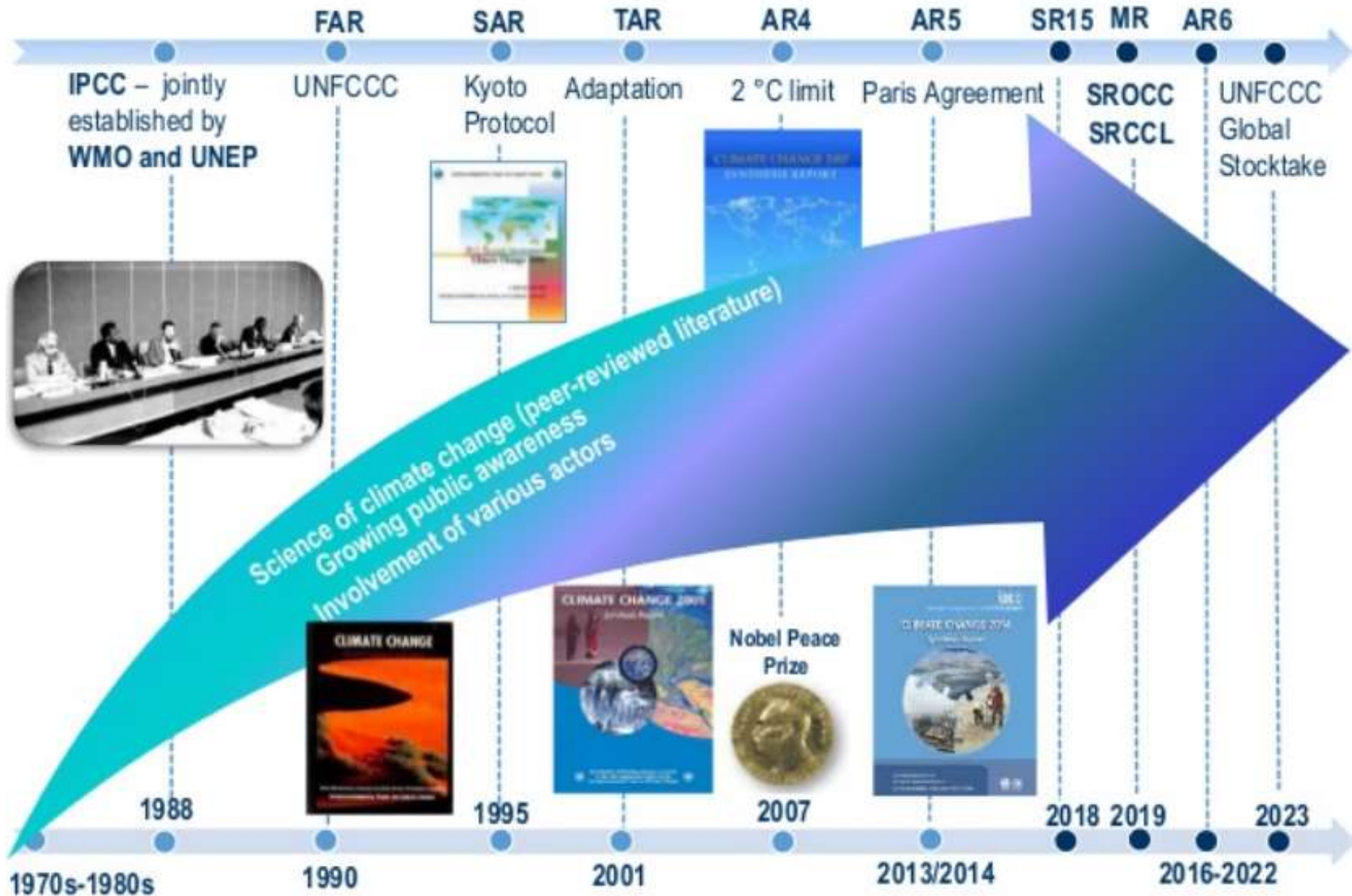
Otvoren za potpisivanje (Earth Summit)
od 3 Juna 1992 .

Stupio na snagu 21 Mart 1994.

**Usvojeni ciljevi proizilaze iz rezultata IPCC
izveštaja.**

Kratak istorijat ...

ipcc



Kratak istorijat ...

Prvi izveštaj 1990

... they are certain that emissions resulting from **human activities are substantially increasing** the atmospheric concentrations of the greenhouse gases, resulting on average in an **additional warming of the Earth's surface**. They calculate with confidence that **CO₂ has been responsible for over half the enhanced greenhouse effect**. They predict that under a "**business as usual**" (BAU) scenario, global mean temperature will increase by about **0.3 °C per decade during** the [21st] century. They judge that global mean surface air temperature has increased by 0.3 to 0.6 °C over the last 100 years ...

Pariski sporazum 2015



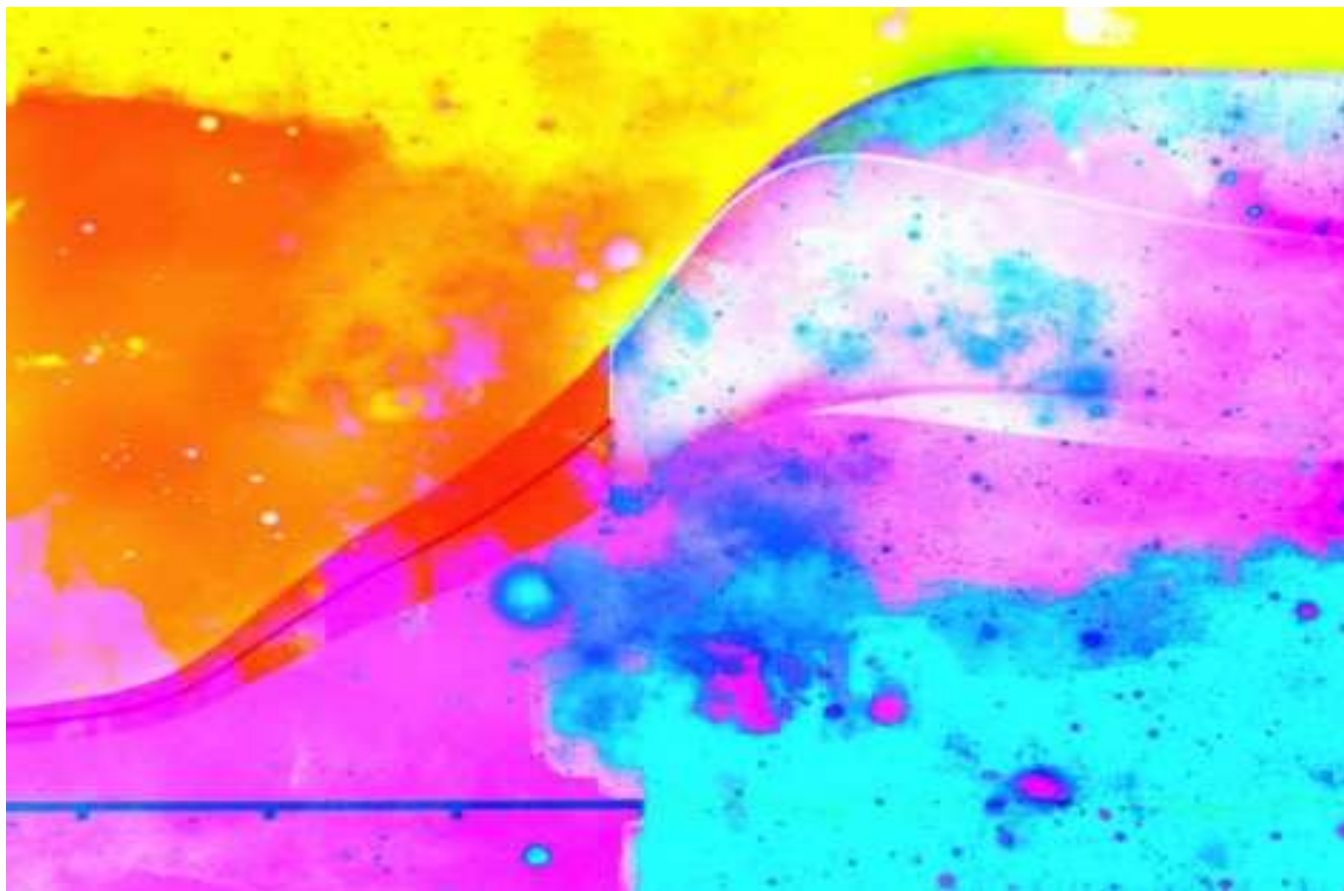
Član 2

(a) Holding the increase in the global average temperature to well below 2°C above pre-industrial levels and pursuing efforts to limit the temperature increase to 1.5°C above pre-industrial levels, recognizing that this would significantly reduce the risks and impacts of climate change;

1.5 °C – Na prelog malih ostrvskih zemlja i EU

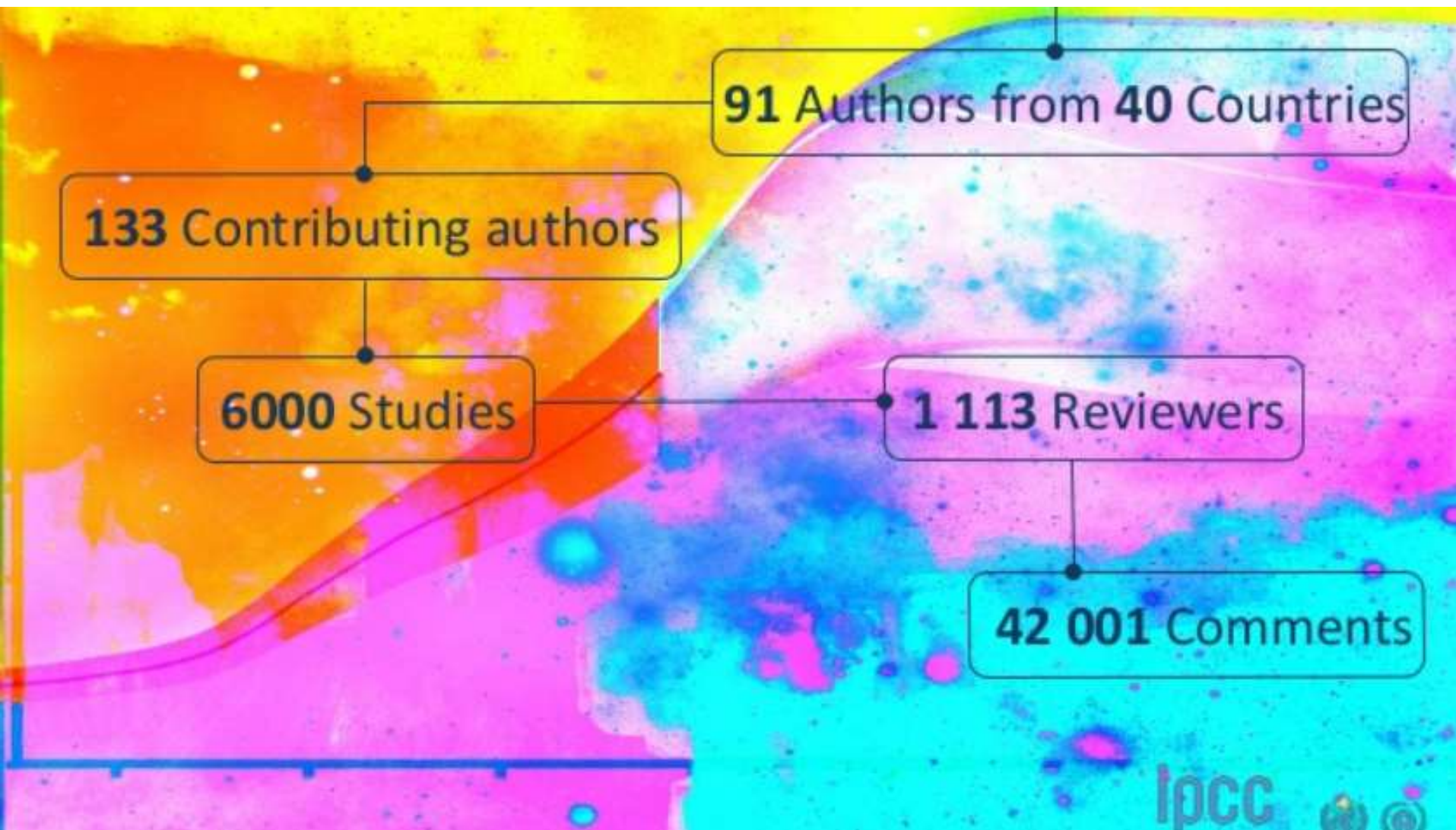
IPCC 1.5 °C izveštaj

Global Warming of 1.5°C



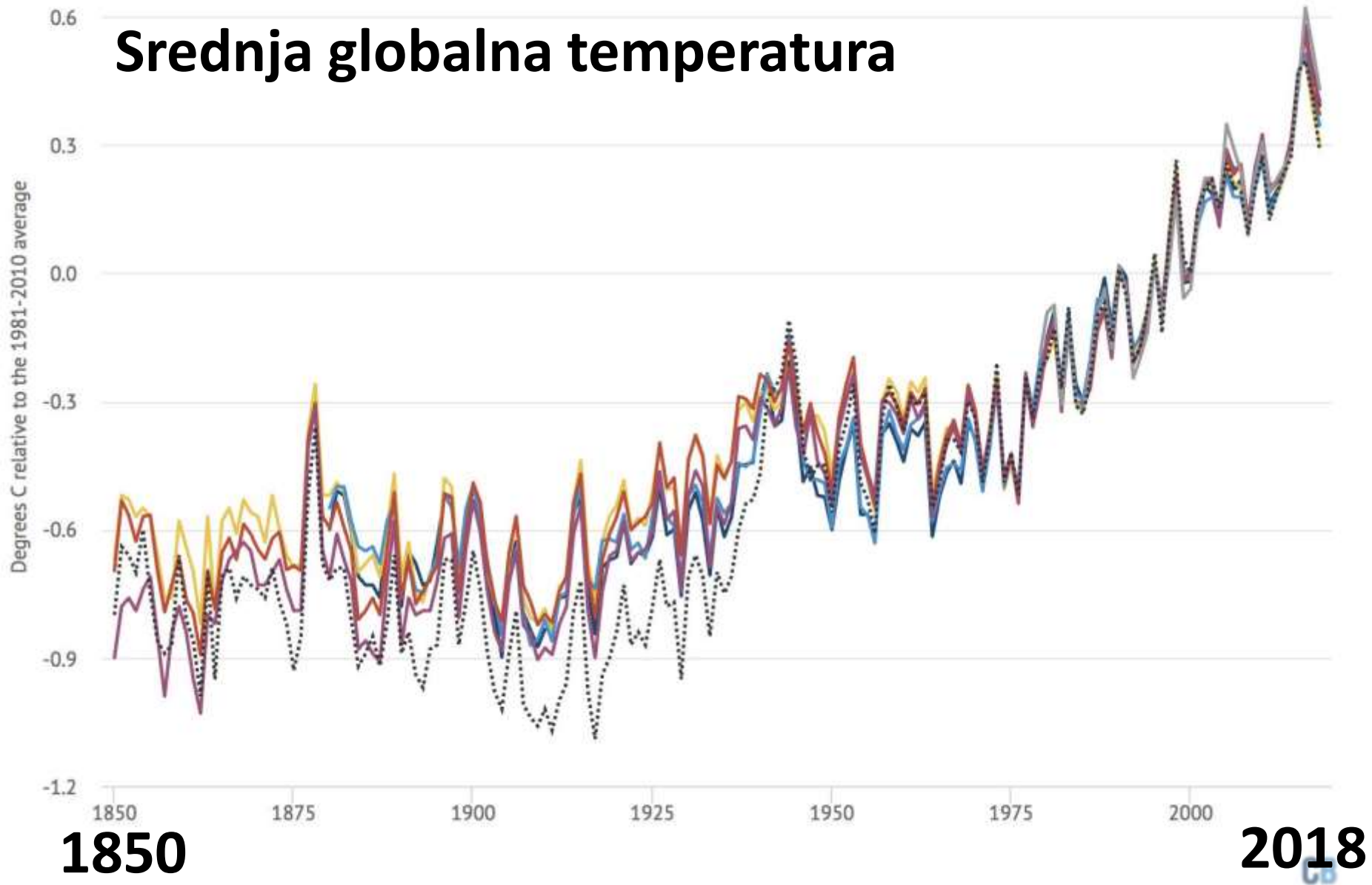
Predstavljen u Beogradu u oktobru 2018.

IPCC 1.5 °C izveštaj



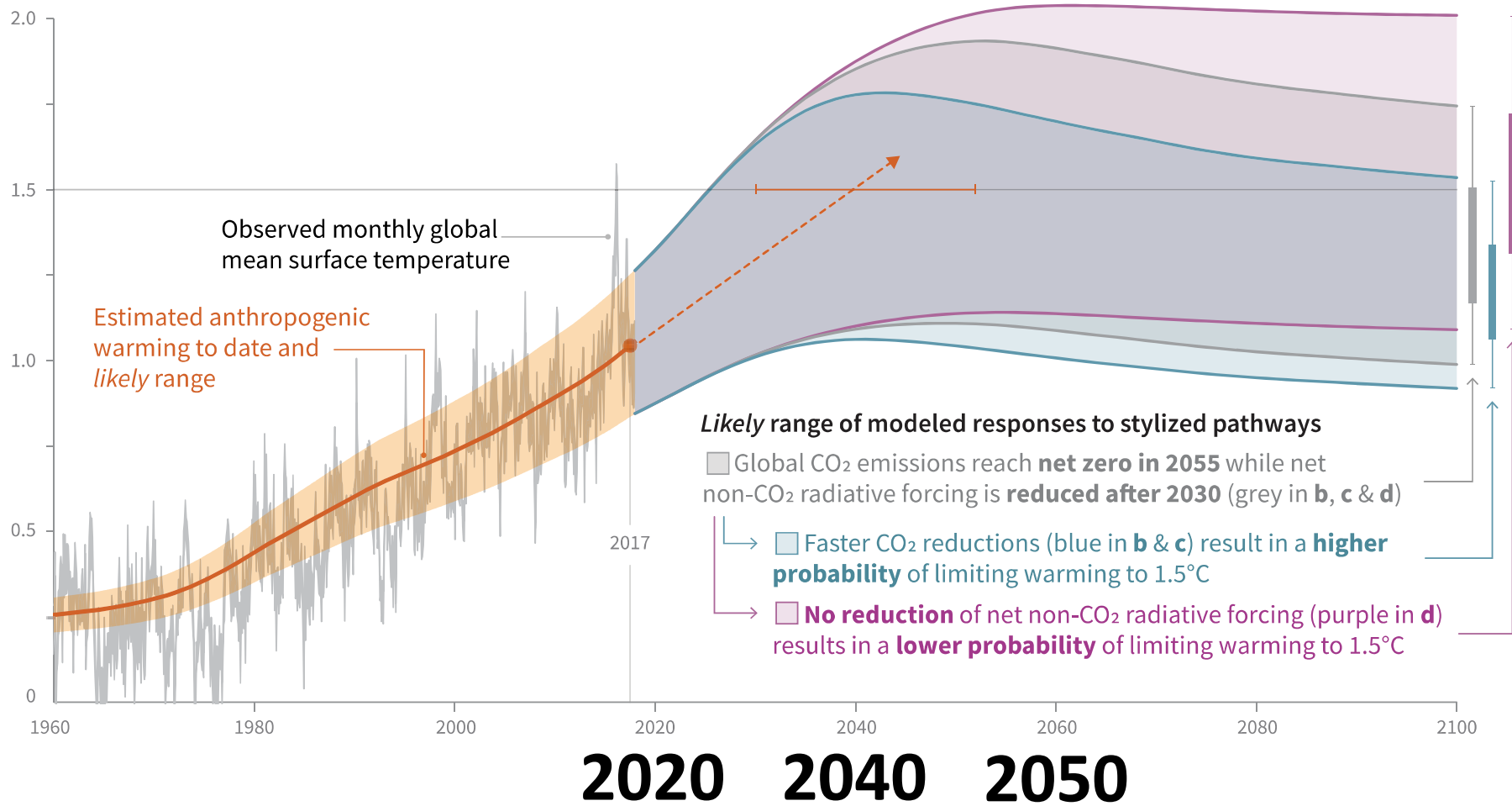
— NASA — Hadley/UEA — NOAA — Berkeley — Cowtan&Way — Copernicus Raw Records

Srednja globalna temperatura



IPCC 1.5 °C izveštaj

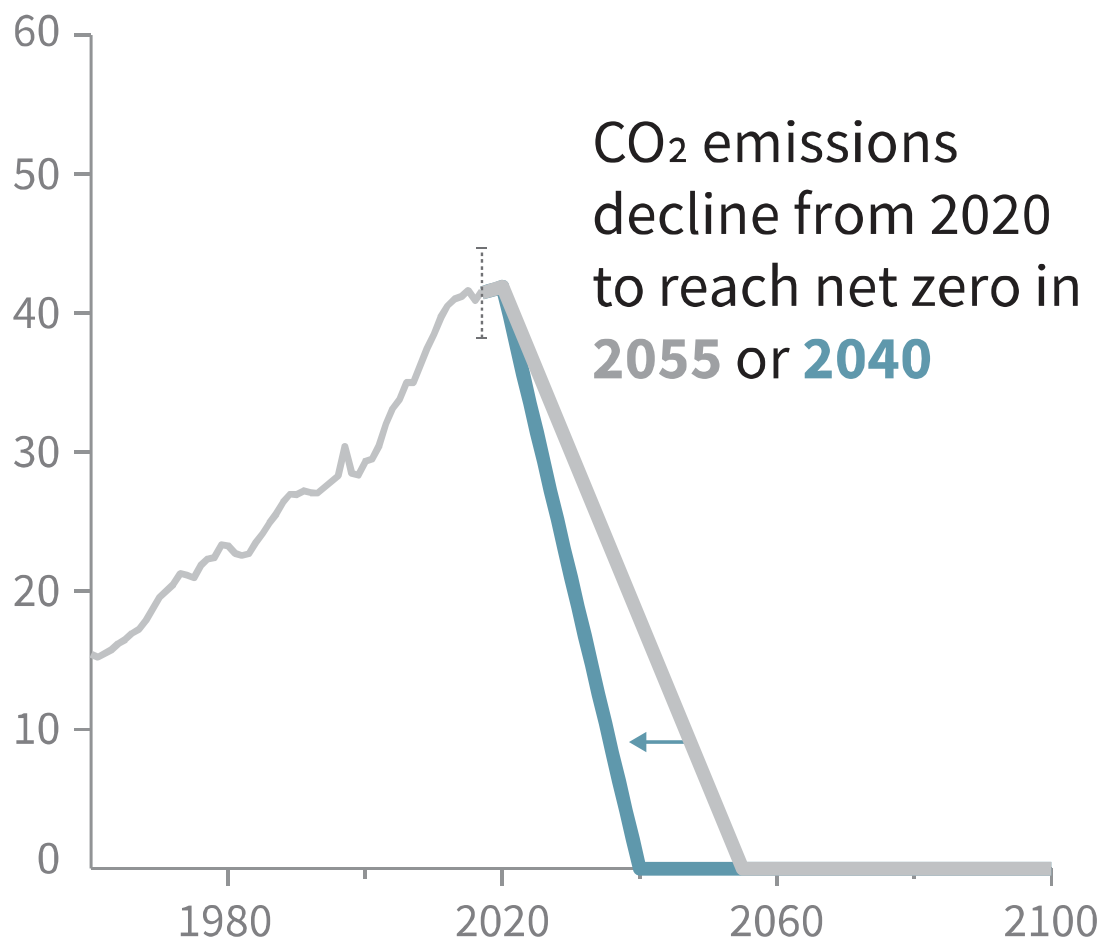
Global warming relative to 1850-1900 (°C)



IPCC 1.5 °C izveštaj

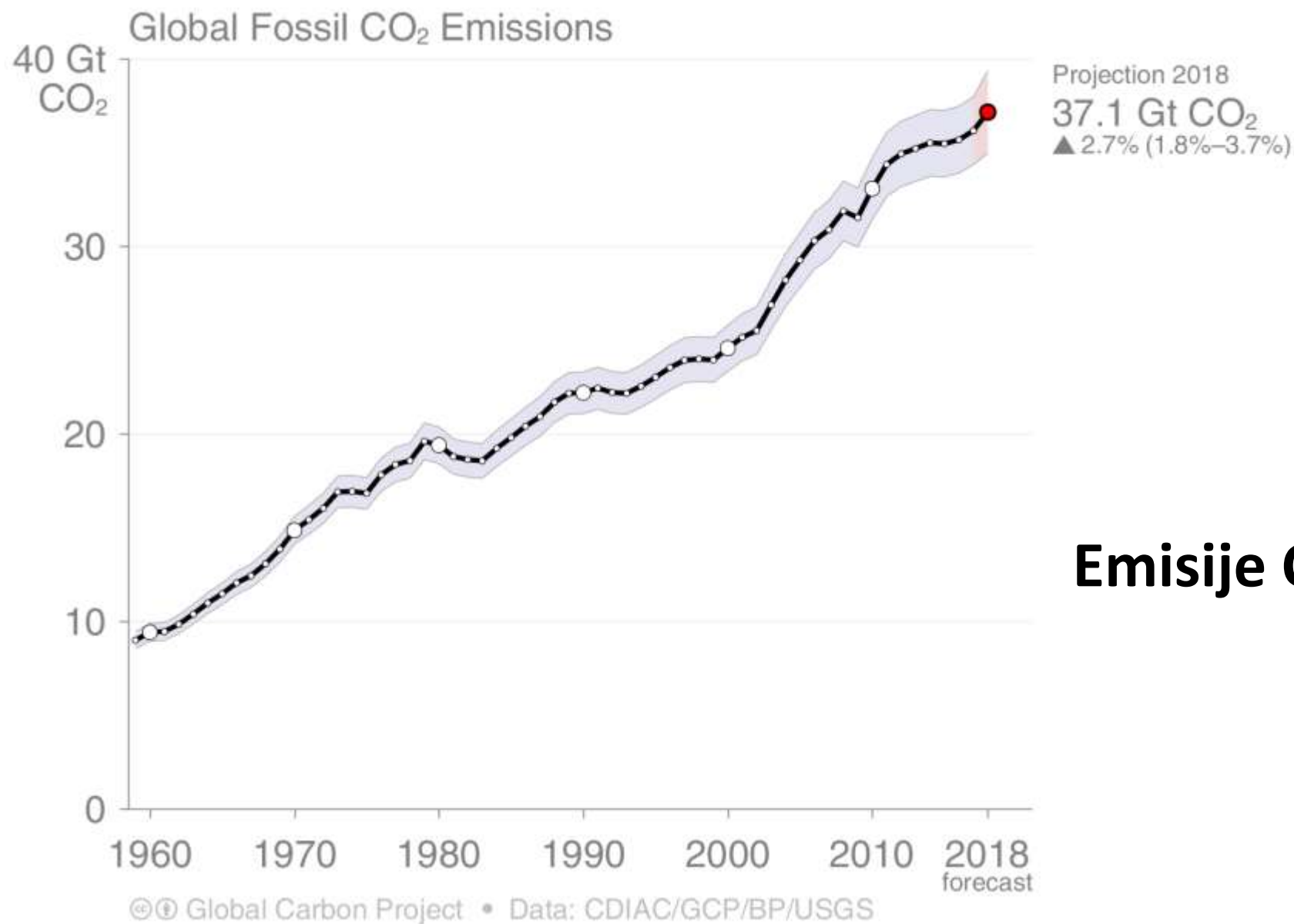
b) Stylized net global CO₂ emission pathways

Billion tonnes CO₂ per year (GtCO₂/yr)



Emisije CO₂

IPCC 1.5 °C izveštaj



Emisije CO₂

IPCC 1.5 °C izveštaj

	1.5 °C	2 °C
Porast globalnog okeana	48 cm	56 cm
Snežni pokrivač	-8%	-11%
Maksimalne temperature	1.7	2.6
Toplotni talasi	+17 d	+35 d
Vreli dani	+16%	+25%
Procenat stanovništva izloženog toplotnim talasom	14%	37%
Populacija izložena nedostatku vode	271 m	388 m
Smanje prinosa (kukuruz)	-6%	-9%
Broj vrsta sa smanjenjem staništa za 50%		~2x
Globalni GDP	-8%	-13%
Evropa - toplotni talasi	173%	478%
Evropa – intenzivne padavine	10%	21%

IPCC 1.5 °C izveštaj i Ciljevi Održivog Razvoja (SDGs)

Length shows strength of connection



The overall size of the coloured bars depict the relative **potential** for synergies and trade-offs between the sectoral mitigation options and the SDGs.

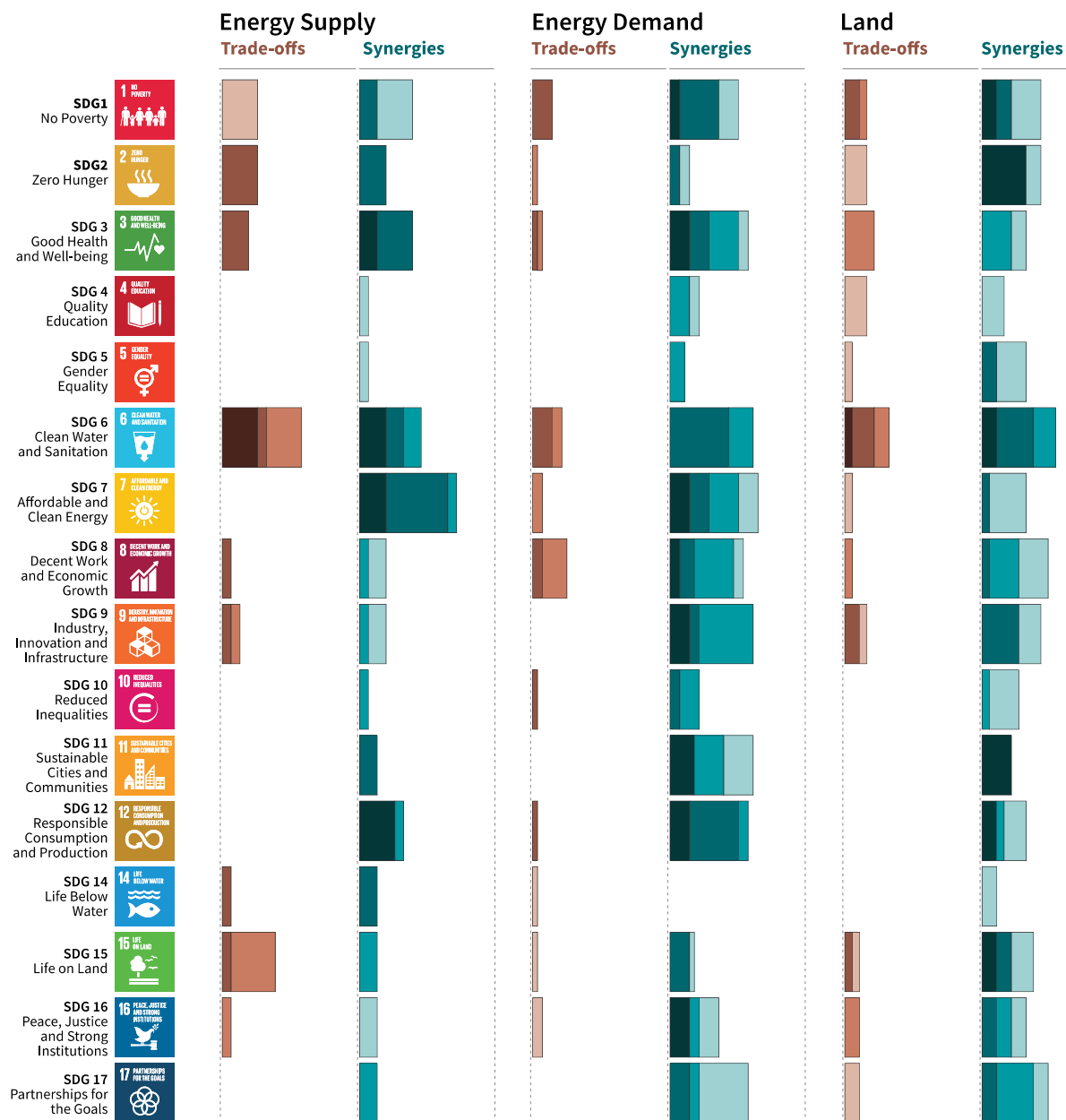
Shades show level of confidence



Very High

Low

The shades depict the level of confidence of the assessed potential for **Trade-offs/Synergies**.





United Nations Framework
Convention on Climate Change

**Poslednji statanak UNFCCC u
Katovicama je prihvatio izveštaj ali
nije pozvao na usaglašavanje ciljeva
u odnosu na preporuke.**

HVALA!

Vladimir Đurđević
Institut za meteorologiju, Fizički fakultet

April 2019