



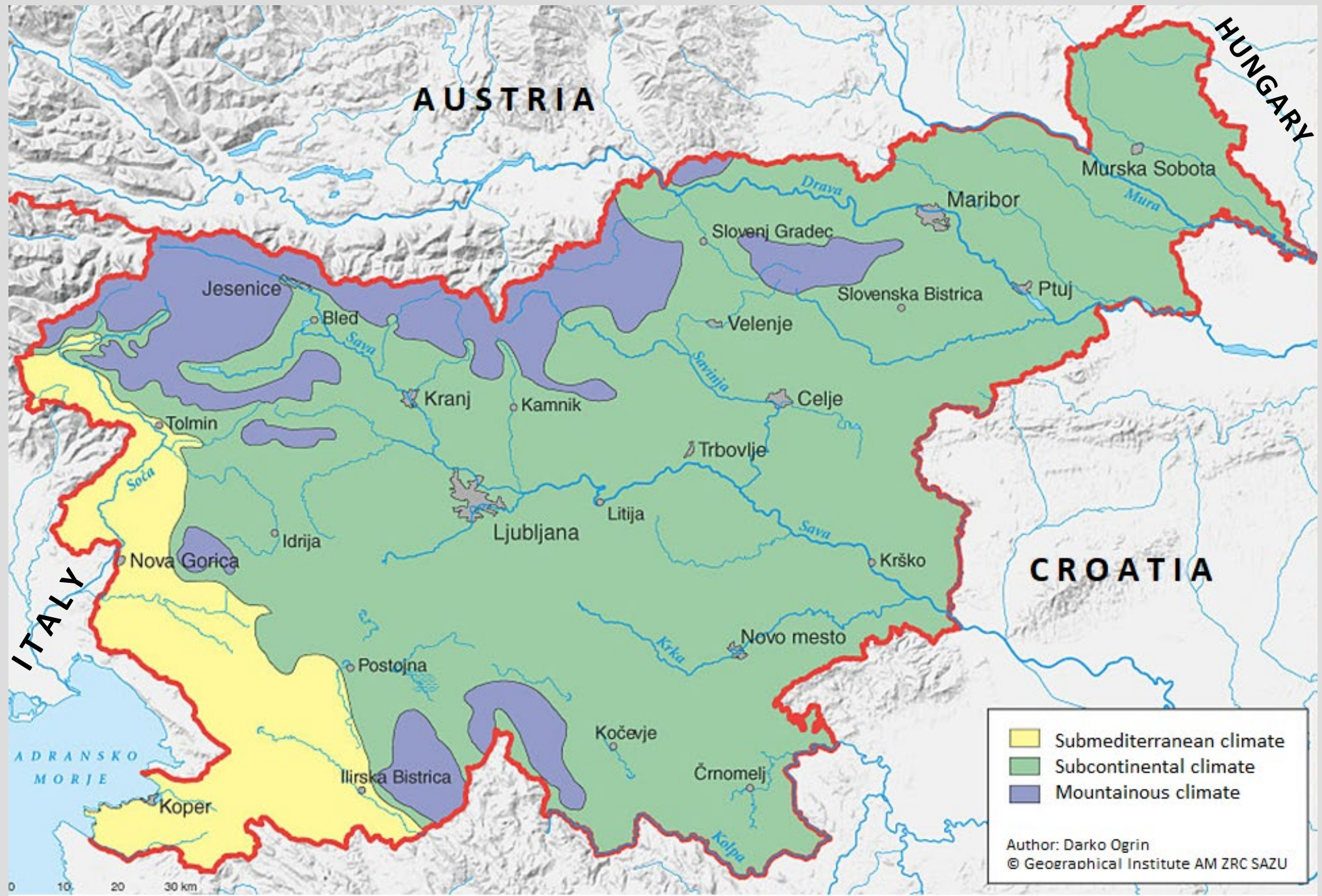
Path towards climate change-related indicators and statistics in Slovenia

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Set of climate change-related indicators (CCRI) – where did we begin

2020: UNSD pilot task -
review of >170 indicators



2021: questionnaire on updated
set of indicators

global set of 44 CCRI

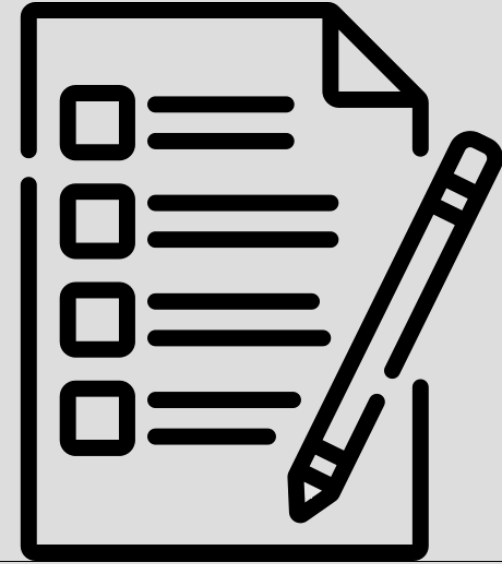
2023: draft set of 20 national CCRI

Selection of CCRI

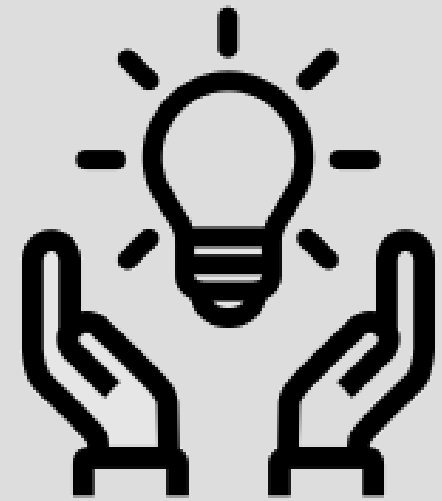
- A special list with additional important information:
 - ✓ availability of data
 - ✓ the institution that collects or could collect these data
 - ✓ methodology development

- CES recommendation:
 - ✓ methodology
 - ✓ available metadata
 - ✓ the structure and hierarchy of the five climate change-related areas
(drivers, emissions, impacts, mitigation and adaptation)

"Metadata for the set of core climate change-related indicators and statistics (add. 2)"



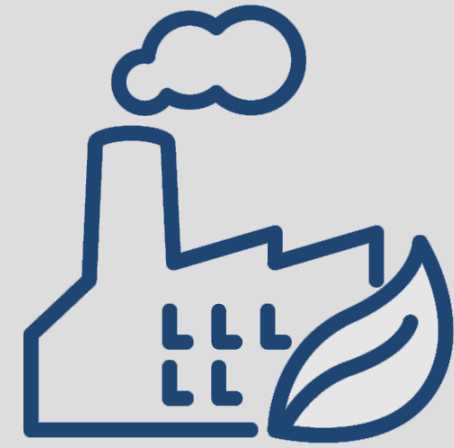
Drivers indicators



= human causes of climate change that deal with sources of emissions

Total energy use by the national economy	2008–2020
Total primary energy supply (TPES)	2000–2021
Share of fossil fuels in total primary energy supply (TPES)	2000–2021
Total energy intensity of production activities of the national economy	2008–2020
Energy use by resident households per capita	2008–2020

Emissions indicators



= greenhouse gas emissions and their human causes

Total greenhouse gas emissions from the national economy	2008–2021
Total greenhouse gas emissions (excl. LULUCF) from the national territory	1986–2021
CO ₂ emissions from fuel combustion attributable to the national economy	2008–2020
CO ₂ emissions from fuel combustion within the national territory	1986–2021
Greenhouse gas emissions from land use, land use change and forestry (LULUCF)	1986–2021
Total greenhouse gas emissions from production activities	2008–2021
Greenhouse gas emission intensity of production activities	2008–2021
Direct greenhouse gas emissions from households	2008–2021

Impacts indicators



= impacts of climate change on human and natural systems

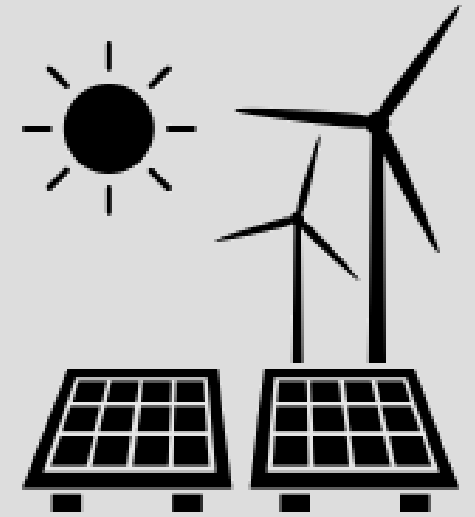
Mean temperature anomaly (compared to climate normal 1961–1990)

2000–2021

Level of water stress: freshwater withdrawal as a proportion of available freshwater resources

2002–2020

Mitigation indicators



= human efforts for avoiding the consequences of climate events

Share of energy from renewable sources in gross final energy consumption

2004–2021

Share of energy and transport related taxes in total taxes and social contributions

2008–2021

Net emissions/removals of carbon dioxide by forest land from the national territory

1986–2021

Adaptation indicators



= human efforts to adapt to the consequences of climate changes

Change in water use efficiency over time	2010–2020
Proportion of agricultural area under productive and sustainable agriculture	2004–2021



CES vs. Slovenian indicators

Area	No. of CES indicators	No. of SI indicators
DRIVERS	9	5
EMISSIONS	9	8
IMPACTS	13	2
MITIGATION	8	3
ADAPTATION	5	2

Challenges

- cooperation of SURS with other national and international institutions
- engagement with policy makers and detection of their data needs
- increase in the number of CCRI
- regular dissemination of data to broad public





Thank you for your attention!

