# Climate data processing for climate resilience

## **Tajikistan and Kyrgyzstan**

Data access, processing and methodological concepts

Webinar 17. - 27. 11.2020

DAY 02 Policy Frames



## **Objectives of Day 02**

Date: 18.11

**Presentation: Day02\_SGD-Institutions** 

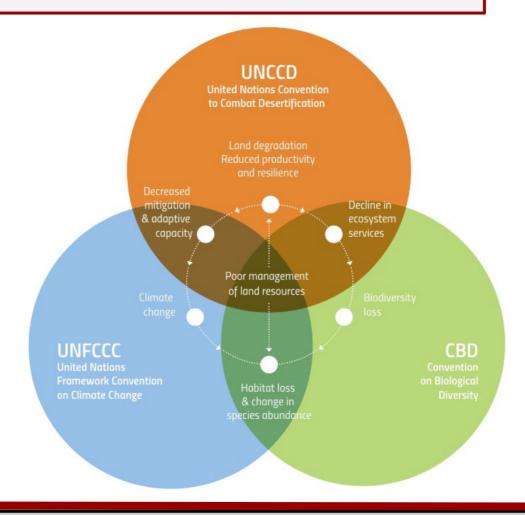
https://github.com/nilshempelmann/climdatatutorial/blob/master/presentations

#### **Objectives:**

- Wrap up of yesterday
- Introduction to sustainable development
- Overview of international conventions
- Landscape of the national institutions

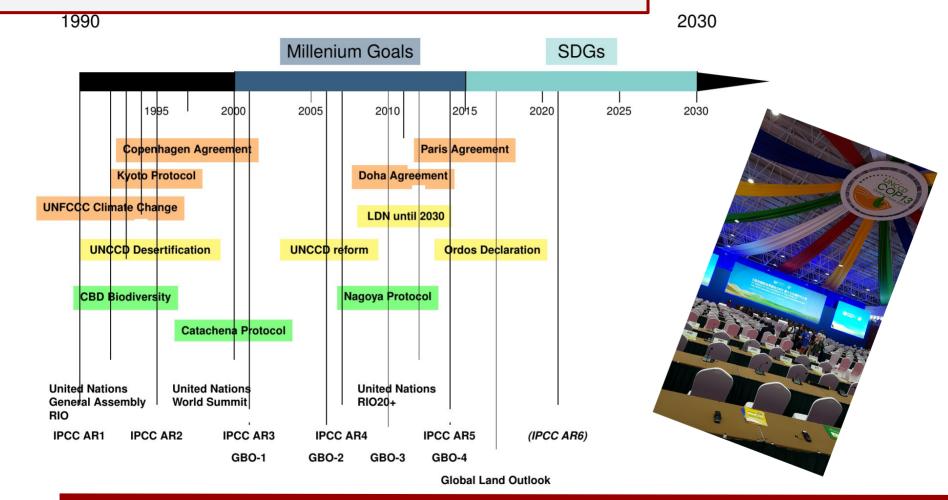


## **Rio Convention**





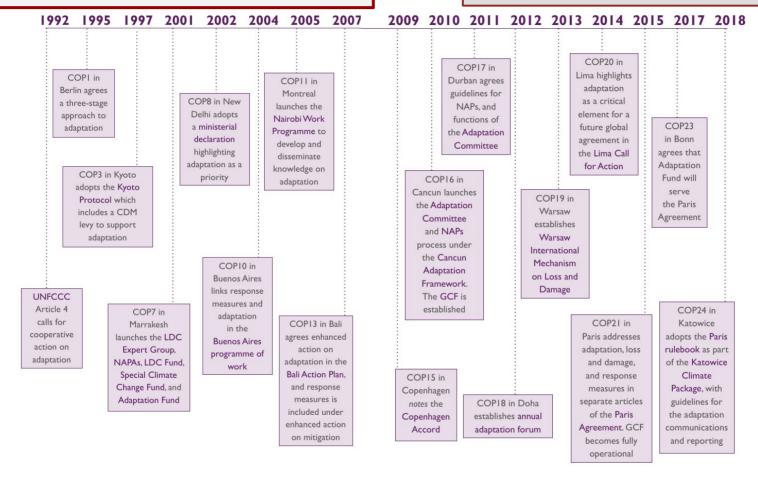
## **COP Outcomes of UNFCCC UNCCD CBD**





### **COP Outcomes of UNFCCC**

Source: Pocket guide to adaptation under UNFCCC https://ecbi.org/sites/default/files/PGAdaptation.pdf





## **Sustainable development Goals of the Agenda 2030**





## **Some Subgoals and indicators**

#### SDG 6.6.1

Water-related ecosystems (could be used for Ramsar Convention on Wetlands \citep{Ramsar1971})

#### SDG 11.3.1

Ratio of land consumption rate to population growth rate. Training Module: Land Use Efficiency. United Nations Human Settlement Programme (UN-Habitat), Nairobi. UN-Habitat (2019) SDG

#### SDG13.1

Strengthen resilience and adaptive capacity to climate-related hazards and natural disasters in all countries

#### SDG Indicator 13.1.2

Number of countries with national and local disaster risk reduction strategies

#### SDG 13.2

Integrate climate change measures into national policies, strategies and planning

#### SDG 13.3

Improve education, awareness-raising and human and institutional capacity on climate change mitigation, adaptation, impact reduction and early warning

SDG 15.3.1 indicators: productivity, land-cover and soil organic carbon



#### All 232 SDG Indicators: What data is available?

OurWorld in Data

This visualization shows for which of the 230 Sustainable Development Goals (SDGs) Indicators data is available at SDG-Tracker.org.

- = Indicators for which recent global official metrics are available, or for which alternative good-quality cross-country source are available (e.g. estimates from independent research institutes).
- = Indicators that do have official metrics, but for which available data is very incomplete or outdated.

  Yellow boxes also mark Indicators for which there are no official metrics, but for which closely related estimates are available that allow informative but imperfect monitoring.
- = Indicators for which to the best of our knowledge global monitoring is not currently possible.

1 NO POVERTY	2 ZERO HUNGER	3 GOOD HEALTH	4 QUALITY EDUCATION	5 GENDER EDUALITY	6 CLEAN WATER AND SANITATION	7 AFFORDABLEAND CLEAN ENERGY	8 DECENT WORK AND ECONOMIC BROWTH	9 MOUSTRY, INNOVATION AND INFRASTRUCTURE	10 REDUCED INCOMALITIES	11 SUSTAINABLE CITIES AND COMMUNITIES	12 RESPONSIBLE CONSUMPTION	13 CLIMATE ACTION	14 UFE BELOW WATER	15 LIFE ON LAND	16 PEACE, JUSTICE AND STRONG	17 PARTHERSHIPS FOR THE GOALS
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Extreme poverty	Undernourishment	Maternal mortality	Reading profidency	Enameworks for gander	Sale drinking water	Electricity access	GDP per espita growth	Flural road access	Income growth inequality	linter slum population	Gust consumption plans	Disaster deaths/injury	Marine pollution	Forest area	Homicide rate	Gov't revenue (% GOP)
National poverty line	8 Food insecurity	Health staff at births	Children on-Irack	Violence by partner	Schlatton 5 handwashing	Access to clean fuels	GDP growth per employee	Persenger-height volumes	Popik50% median income	Public transport access	Material footprint	Disaster dak reduction	Marine ecosystems	Protected pradivariity sites	Schlickers sted deaths	Domestic taxes
National poverty	Child stunting	Child mortality	Fre primary participation	Molence by non-partner	Treated wastewater	Henewable energy	Informal employment		Discriminatory practices		Enmestic consumption	Local disaster risk		Forest management	Violence prevalence	ODA (S\$) from OEGD
Social protection		Neonatal mortality	Access further education	Forced marriage	Ambient water quality	Energy intensity	Material footprint	Manufacturing employment	Labour share of GDP	Urban planning Mgmt	Global food loss	Integration of mate policies		Degraded land	Public safety	Foreign Direct Investment
Basic services	Prodiper labour unit	New HIV infections	ICT skills	Genital mutilation	Water use efficiency	Clean energy investment	Domestic consumption	Small-scale industry value	Financial soundness	Cultural heritage  Discator decrha/hjury	Hozordous waste agreement		Marina protectad sreas Regat/inneguiated fishing	Mountain biodiversity  Red I st Index	Violence egains, children	Personal remittances
Secure land rights  Disaster deaths	Small scale farmer (SS) Sustainable production	Malaria incidence		Time on domestic work: Women in parliament	Freshwater stress Integrates water Vgmt	Energy service investment	Hourly earnings Unamployment rate	OD, emissions intensity	Equal infliparticipation  Vigns correctioners cost	Diseaser losses (\$)	Recycling rates	Climate sapasity-building	Sastanable fallery moone	Genetic resource sharing	Human trafficiding Sexual victence	Debt service Investment for LDCs
Disaster costs (S)		Hepatitis B incidence		Women in management			Youth education/training	B&D spending	Planned migration policy	477	Corporate sust reports		Desearch for manne facts	Wildlife posening	Victim reports of edime	So encertesh scope to an
Disaster risk reduction			Inclusive & sate schools				Chic labour	R&D researchers	Differential tariffs	Uroan air polution	National sustiplans		Small-scale fisher support		Hiraentenced detainees	
Local disaster risk	Agri prientation index	Non-communicatile (NCD)	ODA (88) for scholarships	Sexual health access	ODA (\$\$) for water		Occupational injuries		Development assistance		Sustainable Hestyles		Implementing Intil sea law	Biodiversity planning	High financial flows	Sustainable technologies
Poverty reduction prog			Qualified teachers					High-tech industry value	Remittance costs	Sale city apaces	Support sust production			ODA (\$\$) for biochemisty	Sobod or surendored arms	Internet use
Govit spending	Agri export subsicies	Substance des treatment		Female land rights			Tourism ODF contribution	Mobile network coverage		Urban planning	Sustainable tourism			CIDA (\$S) for forests	Bribery in public	SDC support
Inflows to poverty red	Food price anomaly	Alcohol intake		Mad le phane ownership			Ensteinen eitauriam joba			Integrated risk Migmt	Fossil fuel subsides			Wildlife poaching	Bribery in business	Tariff rates
		Road traffic injuries		Procking gender equality			Firencial services records			Local risk Mgm1					One's expenditure in burget	Dave oping nation exports
		Family planning					Financial account access			Sustainable buildings					Triblic servans ser stantion	Developing nation tariff:
		Adolescent births					Aid for Trade								institutional representation	Magroeconomio dashboaro
		Healthcare coverage					Youth employment strategy								Inclusive decision-making	Policy for sust development
		Health expenditure													Inclusive intil participation	National results mamewore
		Air pollution deaths													Birth registration	Multistekcholder aragiess
		Mater, sanitation deaths	l												Journalist & mosto killings	Society partnerships
		Unintentional obisoning	] !												Public information access	Statistical capacity  Statistical legislation
		Tobacco use	] ]												Humonighs institutions	National statistical plana
		Vaccine coverage CDA (SS) to health	l I												Public discrimination	Statistical reports records
		Medicine availability	 													Census completeness
		Health workers														

You find all data on SDG-Tracker.org, a sister project of OurWorldinData.org, In case you are aware of relevant data we have not included yet please let us know via SDG-Tracker.org.



Emergency preparechess

Right: the main themes of the Land Use Planning Rural, Global Land Outlook. Integrated Landscape Approach Source: UNCCD, 2017, GLO 1st edition Infrastructure Governance ...... Land Management Practices Conservation, SLM & Restoration Climate ...... Soil, Water & Biodiversity Change Land Health & Productivity **Human Security** 

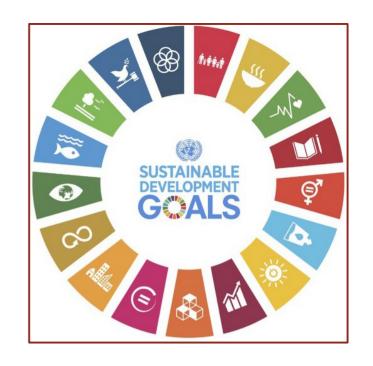
food, water, energy, livelihoods



## **Strategies in line with Climate action**



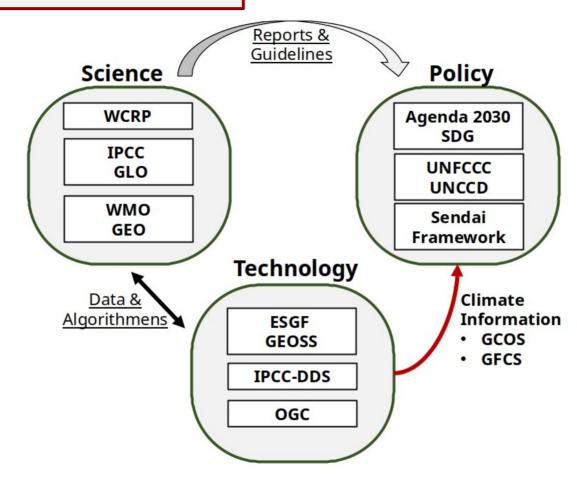








## **International Organizations**





#### **Hands ON:**

#### Institutions of Tajikistan and Kyrgyzstan

- Responsible Ministries
- Focal Points of UNFCCC, UNCCD, Sendai Framework
- Global Framework of Climate Services
- National Spatial Data Infrastructure

#### Strategies of Tajikistan and Kyrgyzstan

- National Determined Contribution
- National Adaptation Plan
- Biennial Update Report
- DRR Strategies

Main CC focus of the Kyrgyzstan and Tajikistan strategies?

Identify required Climate Information to realize these strategies

Which climate information is needed and how?

