



# CLIMATE CHANGE DATA ECOSYSTEMS FOR BETTER CLIMATE ACTION

*Introducing an assessment framework*

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# Who is PARIS21?

Founded in 1999 by the European Commission, IMF, OECD, UN and World Bank

PARIS21 works for **better data for better lives for all**. We do this by strengthening the ability of countries to produce & use inclusive statistics and data- through training, partnerships and tools.





# Partnering for results



## Key areas of PARIS21's current work in the region:

- Strategic **planning** for Statistics: NSDS & RSDS
- NSS **coordination** and NSO stewardship
- **Leadership** and **communication** skills
- **Gender** mainstreaming
- Domestic **resource** mobilisation and donor coordination
- Regional **communities of practice**
- **Data ecosystems**

# Enabling a coherent and inclusive CCDE

*Mapping climate change data needs, gaps and key actors for capacity development*

# The need for a Climate Change Data Ecosystems approach

CCDEs already exist de facto, but are highly **fragmented**



A need for more **coherent, integrated and inclusive CCDEs**

National CCDEs face multiple **challenges**

*(resources and capacity, data gaps, data literacy, co-ordination, regulatory frameworks...)*



A need to identify **country-specific climate-change data and capacity priorities** to adapt existing CCDEs



Assessing national CCDEs' state and country priorities provides **crucial information/evidence** to develop a **climate change data action plan** to **transform** their CCDE into a more integrated, inclusive, and effective system



# PARIS21 CCDE Assessment framework

## A VISION FOR THE FUTURE

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Maps data and actors  
(who **produces** what  
& who **needs** what)



Promote data  
**sharing & open** data  
(Unlocking data)



**Institutionalize**  
collaboration  
among data  
producers/users



**Use** data for  
effective actions  
to **mitigate** and  
**adapt**  
to climate change





# PARIS21 CCDE Assessment framework

## Step 1

*Identifying the Climate Change data Ecosystem*

- Climate change data needs
- Map of key actors
- Climate change data sources and gaps

## Step 2

*Mobilising the Climate Change Data Ecosystem*

- Key capacity challenges and SWOT analysis
- Mobilization and sensitisation of stakeholders

## Step 3

*Achieving the Climate Change Data Ecosystem*

- Action Plan for developing CCDE
- Dissemination of Action Plan

# PARIS21 CCDE Assessment framework

## Step 2: Mobilising the Climate Change Data Ecosystem

| Target/Level  | Individual   | Organisational  | System   |
|---|--|---|--|
| <b>Resources</b>  |  |   |  |
|    | <ul style="list-style-type: none"> <li>Professional background</li> </ul>  | <ul style="list-style-type: none"> <li>Human resources</li> <li>Budget</li> <li>Infrastructure</li> </ul>   | <ul style="list-style-type: none"> <li>Legislation, principles and institutional setting</li> <li>Funds infrastructure</li> <li>Plans (NSDS, sectoral...)</li> <li>Existing data</li> </ul>  |
| <b>Skills and knowledge</b>   |  |   |  |
|    | <ul style="list-style-type: none"> <li>Technical skills</li> <li>Work know-how</li> <li>Problem solving and creative thinking</li> </ul>                 | <ul style="list-style-type: none"> <li>Statistical production processes</li> <li>Quality assurance and codes of conduct</li> <li>Innovation</li> <li>Communication</li> </ul>                                       | <ul style="list-style-type: none"> <li>Data literacy</li> <li>Knowledge sharing</li> </ul>   |
| <b>Management</b>   |  |   |  |
|    | <ul style="list-style-type: none"> <li>Time management and prioritisation</li> <li>Leadership</li> </ul>   | <ul style="list-style-type: none"> <li>Strategic planning and monitoring and evaluation</li> <li>Organisational design</li> <li>HR management</li> <li>Change management</li> <li>Fundraising strategies</li> </ul> | <ul style="list-style-type: none"> <li>NSS co-ordination mechanisms</li> <li>Data ecosystem co-ordination</li> <li>Advocacy strategy</li> </ul>  |
| <b>Politics and power</b>   |  |   |  |
|   | <ul style="list-style-type: none"> <li>Teamwork and collaboration</li> <li>Communication and negotiation skills</li> <li>Strategic networking</li> </ul> | <ul style="list-style-type: none"> <li>Transparency</li> <li>Workplace politics</li> </ul>  | <ul style="list-style-type: none"> <li>Relationship between producers</li> <li>Relationship with users</li> <li>Relationship with political authorities</li> <li>Relationship with data providers</li> <li>Accountability</li> </ul> |
| <b>Incentives</b>   |  |   |  |
|  | <ul style="list-style-type: none"> <li>Career expectations</li> <li>Income and social status</li> <li>Work ethic and self-motivation</li> </ul>          | <ul style="list-style-type: none"> <li>Compensation and benefits</li> <li>Organisational culture</li> <li>Reputation</li> </ul>   | <ul style="list-style-type: none"> <li>Stakeholder interests</li> <li>Political support</li> <li>Legitimacy</li> </ul>   |

**Legal provisions** or **guidance** for data sharing; climate change **data strategies**

Technical skills on **remote sensing data** collection, image analysis and GIS systems

**Producer-user committees** for climate change data; **data sharing agreements**





# PARIS21 CCDE Assessment framework

## Step 3: The output for achieving a functioning system

An action plan that can help countries to mobilise resources for more effective use of climate change data!

1. **Who** are the key actors of the national CCDE
2. **What** needs to be done to activate available climate change data
3. **How** and **how much** does it cost to do it



# Not another framework....?!

## UNSD CISAT/ESSAT

- *Identifying specific indicators* and support their development (technical guide for countries when building indicators)
- Facilitate *aligning indicators* to other global frameworks (e.g., SDGs, Paris Agreement)
- *Technical recommendations* (e.g., periodicity of indicators, unit of measurement)

## PARIS21 CCDE Assessment Framework

- Identify broader set of *stakeholders*: ESSAT strong focus on **producers**, CCDE also includes users and other **actors beyond the NSS**
- *Capacity development* at different levels: ESSAT focuses organisation/system, CCDE adds individual level and as well as other areas
- CCDE strong focus on identifying the *national needs* for cc data (not always are at the indicator level) – can help engage countries with the Global Set
- Proposes and *action plan* for strategic follow up and resource mobilisation after the assessment
- Help *integrating climate change/environment* component into **NSDS**



# What does this mean for countries?

## Tajikistan

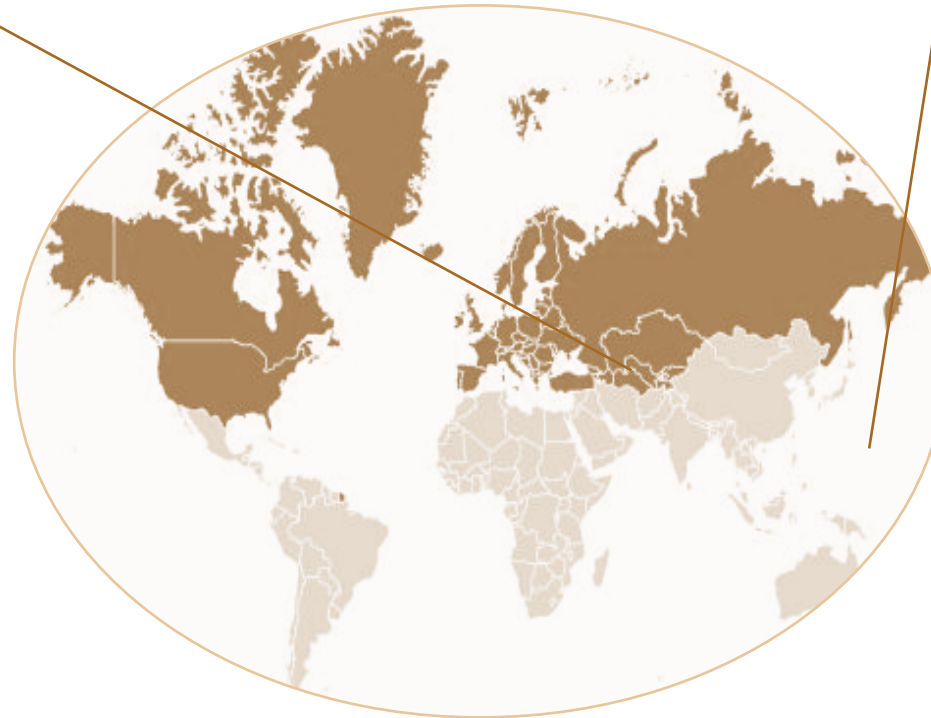
### *Current situation*

- Some indicators in NDP but no identifiable indicators in NAP
- GHG inventory submitted



### *How can PARIS21 CCDE AF contribute?*

- Identify data/indicators for NAP
- Identify key actors, build on GHG sources
- Identify how to enhance capacities



## Fiji

### *Current situation*

- Comprehensive NAP M&E framework
- Mapping of data sources
- Continued lack of data



### *How can PARIS21 CCDE AF contribute?*

- Identify key actors, build on GHG sources
- Identify how to enhance capacities



# THANK YOU!



FIND OUT MORE ABOUT PARIS21'S WORK ON  
BETTER CLIMATE CHANGE DATA SYSTEMS

[https://paris21.org/climate\\_change\\_data](https://paris21.org/climate_change_data)

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