



Climate Risk & Early Warning
Systems

Joint Reporting on Status of CREWS Portfolio from June – November 2019



CREWS/SC.10/infdoc.3

10th CREWS Steering Committee Meeting
05 December 2019
Madrid, Spain



Australia



France



Germany



Luxembourg (Chair)

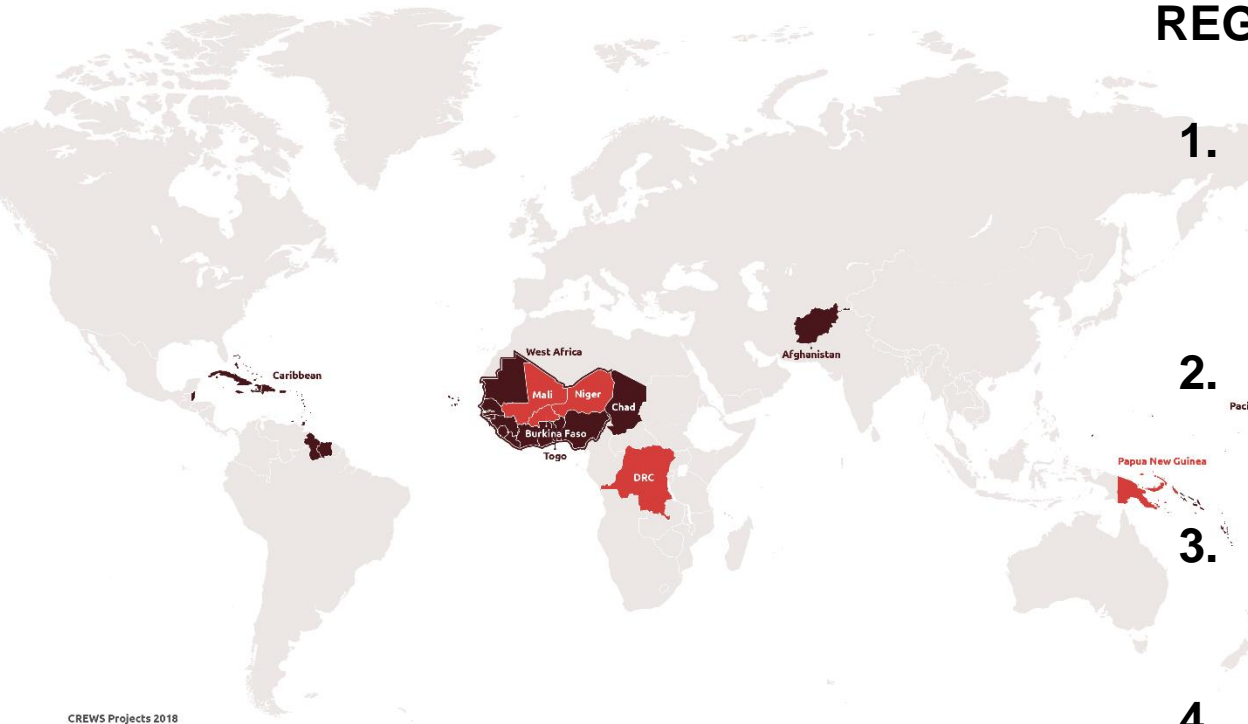


Netherlands



Switzerland

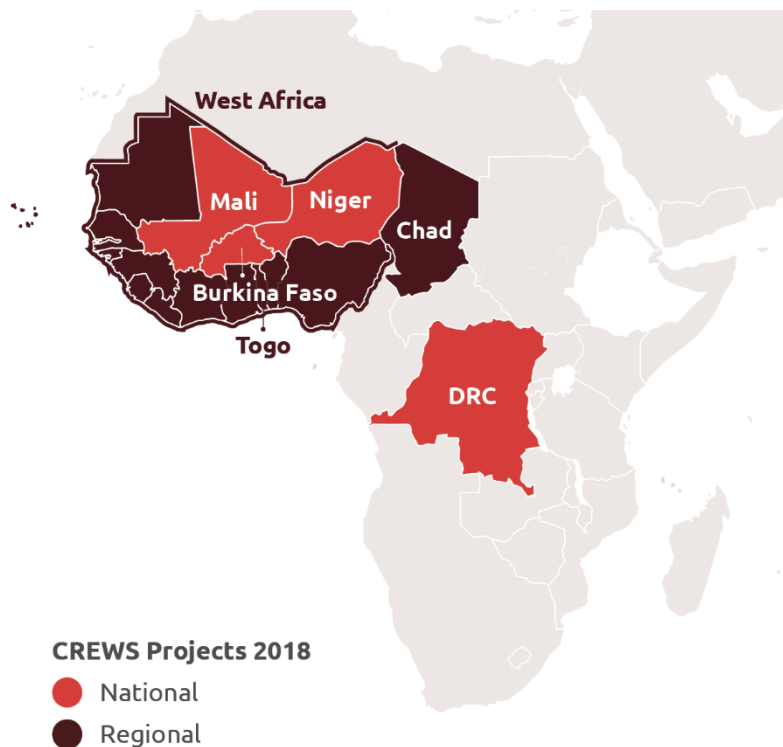
Content



FOR EACH REGION/COUNTRY:

1. Overview of the portfolio (country and regional projects)
2. Progress by output for reporting period
3. Project performance status
4. Project risk status

AFRICA



Leveraging

| Project | In USD | Leveraging and synergies (in USD) | Leveraging factor |
|----------------------------------|---------------------|------------------------------------------------------------------------------------------------------------------|-------------------|
| Burkina Faso | 2,192,200 (WMO) | GCF 23 million / IDA 8 million / GFCS 300k / GEF 3.6 million / CREWS West Africa | 16x |
| Chad | 3,150,000 (WB, WMO) | IDA 30 million / CREWS West Africa | 10x |
| Democratic Republic of the Congo | 3,090,000 (WB, WMO) | GFDRR 2.7 million / GEF 5.3 million / WB DRM Urban | 2.5x |
| Mali | 3,333,000 (WB, WMO) | GCF 23 million / IDA 8 million / CREWS West Africa | 9x |
| Niger | 2,740,000 (WB, WMO) | AfDB Met 13 million / WB EWS Hydro 20 million / CREWS West Africa | 12x |
| Togo | 2,365,000 | IDA 30 million / CREWS West Africa | 10x |
| West Africa (regional) | 1,834,555 (WMO) | IDA TBD / ACP-EU 8 million | 4x |

Progress in Africa - by Output

In **Mali**, 90 women leaders were trained on prevention, disaster management and early warning.

6
GENDER

1
SERVICE
DELIVERY

In **Burkina Faso**, a strategic plan for ANAM was prepared and the relevance of delivering enhanced services to agricultural stakeholders in pilot sites was evaluated.

In **Burkina Faso**, a mid-term review on the project's early warning system relevance, effectiveness, efficiency, impact and sustainability was conducted.

5
KNOWLEDGE
PRODUCTS

2
RISK
INFORMATION

In **DRC**, the flood risk model for the N'Djili watershed is completed and selected future scenarios identified.

In **Niger**, the decree on the national alert code has been adopted.

4
PREPAREDNESS
AND RESPONSE

3
ICT

In **Chad**, agreements are in discussion with **IRD, CIRAD, CNES** and national cellphone operators to ensure optimal use of remote sensing techniques for monitoring of rainfall and runoff.

Project Performance in Africa

| | Rate of expenditure | Rate of delivery | Alignment of objectives |
|------------------------------|---------------------|------------------|-------------------------|
| Burkina Faso | ● | ● | ● |
| Chad | ● | ● | ● |
| Democratic Republic of Congo | ● | ● | ● |
| Mali | ● | ● | ● |
| Niger | ● | ● | ● |
| Togo | ● | ● | ● |
| West Africa | ● | ● | ● |

Burkina Faso :

- i. Rate of expenditure is satisfactory with USD 1,162,242 (53%) spent and an additional USD 641,460 (29%) committed.
- ii. The rate of delivery is satisfactory. There are strong reasons to assume that all expected outputs will be achieved by the end of the project (Dec 2020).
- iii. The project remains to be aligned and consistent with national policies and approach has demonstrated to be well adapted to the context.

Mali:

- i. Rate of expenditure is USD 801,031 (24%).
- ii. With current Hydromet investment effective since Sept 2019, delivery of CREWS activities is expected to increase.
- iii. Fully aligned with the Early Warning System objectives as well as the country development priority.

Niger :

- i. Rate of expenditure is USD 1,020,027 (37%).
- ii. Difficulties being experienced in implementation of some of the activities.
- iii. Fully aligned to the Early Warning System objectives as well as the country development priority.

DRC:

- i. Rate of expenditure is average with USD 585,544 (19%).
- ii. Rate of implementation is currently moderate.
- iii. Project remains well aligned to the objectives

West Africa:

- i. Rate of expenditure to date is USD 842,670 (46%), out of which USD 385,257 (21%) during the reporting period.
- ii. The progress is satisfactory, as validated by the 2nd meeting of the Project Steering Committee last 12 November 2019.
- iii. Project remains strongly aligned to the initial objectives.

Project Updates in Chad and Togo

Chad:

- i. A joint WBG-WMO mission was carried out in September 2019 to engage with project beneficiaries and discuss project implementation planning.
- i. CREWS financed the participation of a project delegation from Chad to Understanding Risk West and Central Africa conference in November 2019, where knowledge and experience exchange took place on hydromet and early warning systems.

Togo:

No activities to report yet. Joint WBG-WMO mission planned for January 2020.

Risk Status in Africa

Burkina Faso: The risk remains **moderate/medium**.

- ❑ There is still limited capacity and resources within DIEI that could support implementation. Hence, ANAM has been supporting DEIE in the implementation of activities.
- ❑ Security risks have also deteriorated over the past 18 months and travel of French civil servants have been constrained. This led to the relocation of trainings from Ouagadougou to Toulouse and Niamey.

Mali : The risk rating is **moderate/medium** .

- ❑ There is increased insecurity in Mali mainly in the Center and North of the country.
- ❑ Mitigation measures include planning for securing equipment under IDA project, and ICT tools are being developed to facilitate remote M&E.

Niger: The risk rating is **moderate/medium**.

- ❑ Operational difficulties limit the implementation of certain activities.
- ❑ Consider extending the closure date to 2021 in order to align with IDA investment additional financing.

Risk Status in Africa

DRC : The current risk status is moderate/medium.

- ❑ low institutional capacity and limited resources of Mettelstat impede the acquisition of new technology and operation and maintenance of equipment for observation, forecasting and service delivery
- ❑ the WB, WMO and international experts are supporting the delivery of activities, through technical support, training and leading specific studies

West Africa : The risk rating remains moderate/medium.

- ❑ undergoing expansion of mandate of AGRHYMET to take over as Regional Climate Center
- ❑ accreditation of ANACIM as regional specialised meteorological center for severe weather forecasting; Chad and Togo as new CREWS beneficiaries

CARIBBEAN

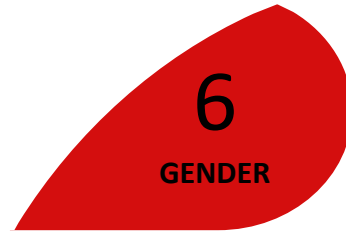
Leveraging



| Project | In USD | Leveraging and synergies | Leveraging factor |
|-------------------------------------|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| Caribbean Regional (CARICOM) | 5,500,000 (WB, WMO, UNDRR) | Building seamless multi-hazard early warning under the CREWS Initiative (Environment and Climate Change Canada) (CAD 2,000,000 for the Caribbean) | 0.36x |

Progress in Caribbean - by Output

Four (4) National workshops for gender and early warning system with regional strategy consultation implemented



Caribbean EWS Regional Strategy: drafting and consultation process ongoing; draft strategy is based on the regional diagnostic which is being finalized.

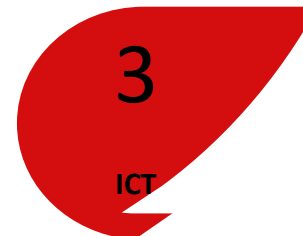
Letter of Agreement being reviewed by Caribbean Meteorological Organization (implementing partner) to develop 8 National Strategic Plans and model meteorological bill & 2 National Meteorological bills

Activities under this output are planned for Year 2 and Year 3






Regional Sub-Management Team Meeting conducted on SWFDP-Eastern Caribbean

No activities were planned for this reporting period



No activities were planned for this reporting period

Project Performance in Caribbean

| | Rate of expenditure | Rate of delivery | Alignment of objectives |
|-----------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| Caribbean |  |  |  |

Caribbean Regional:

- i. **Rate of expenditure** is on track with USD 1,001,634 (18%) , of approved USD 5,500,000 being expended.
- ii. While **delivery rate** is on track in most aspects, the development of the regional diagnostic and strategy are experiencing some delays.
- iii. The project remains **strongly aligned to the objectives**.

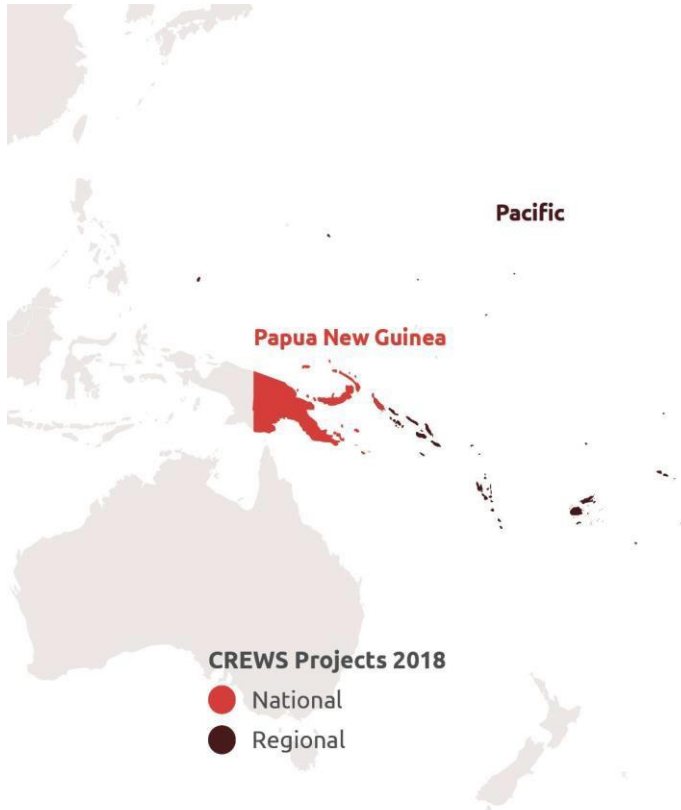
Risk Status in Caribbean

Risk is rated as **moderate** and is mostly concentrated around coordination between multiple stakeholders and regional set-ups.

To mitigate the risks:

- ❑ the Implementing Partners reached out to the other regional consortia and organized joint consultation meetings
- ❑ the consortia leaders (CDEMA and CIMH) are part of the Project Steering Committee
- ❑ World Bank's representative is also integrated into the Regional Early Warning System (REWS) Consortium as an observer for better coordination

PACIFIC



Leveraging

| Project | In USD | Leveraging and synergies (in USD) | Leveraging factor |
|-------------------------|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| Pacific | 2,500,000 (WMO) | Canada-CREWS 2.5 million + WB Pacific resilience program (Samoa 14 million, Tonga 15 million, Marshall Island 20 million) + Australia Climate and Oceans Support Program in the Pacific (COSPPac) 16 million. GCF Projects. | 27x |
| Papua New Guinea | 1,650,000 (WMO) | BoM Climate and Oceans Support Program in the Pacific (COSPPac) + Australia 600,000 | 0.36x |

Progress in Pacific - by Output

35 women from 13 islands trained in Leadership: representing Meteorology, Hydrology and Climatology

6
GENDER

Tuvalu Strategic Plan developed, being reviewed and due to be completed by end of November 2019

1
SERVICE DELIVERY

No targets planned for the reporting period

5
KNOWLEDGE PRODUCTS

7 Fiji Met Service Staff received training on Flash Flood Guidance System (FFGS) and Radar Hydrology Training
5 experts from the FMS completed the Operational Training (Step 3)

2
RISK INFORMATION

70 participants from the National Meteorological and Hydrological Services (NMHSs) and National Disaster Management Offices *NDMO) participated in Regional Workshop on Impact-Based Forecasting

4
PREPAREDNESS AND RESPONSE

Online training module on Common Alerting Protocol (CAP) completed and **regional training workshop on Information Technology** in support of NMHS IT tools and website conducted (4-9 Oct 2019)

3
ICT

Project Performance in Pacific

| | Rate of expenditure | Rate of delivery | Alignment of objectives |
|------------------|---------------------|------------------|-------------------------|
| Pacific Regional | ● | ● | ● |

- i. The **rate of expenditure is on track** with a total of USD 1,384,000 (56%).
- ii. The **rate of delivery is on track**, regional partners are moving forward according to plans. Some slight delays in the implementation of trainings (SWFDP) and in the development of National Strategic Plans for Kiribati and Fiji, but adjustments made in the implementation plan and moved these activities to Q1 2020.
- iii. The project **remains strongly aligned to the objectives**.

Project Performance in Papua New Guinea

| | Rate of expenditure | Rate of delivery | Alignment of objectives |
|-----|---------------------|------------------|-------------------------|
| PNG | ● | ● | ● |

- i. The disbursement rate is at 29% or USD 478,000 of the approved USD 1,650,000 funding.
- ii. With the two implementing partners now fully on board, including with 2 full time project support staff and engagement of specialised experts, the rate of delivery is now **fully satisfactory**.
- iii. The project remains strongly aligned to the CREWS objectives.

Risk Status in Pacific

Pacific Regional: The risk status remains **low**.

- ❑ Risks are mitigated through close cooperation among the regional partners, NMHSs and WMO.

PNG: The risk status is **medium/moderate**.

- ❑ The risk is being mitigated by: (i) hiring of a full time project manager and (ii) support received from BoM and the Government of Australia through the Capacity Development Project.

Afghanistan

Leveraging

| Project | In USD | Leveraging and synergies | Leveraging factor |
|--------------------|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| Afghanistan | 3,665,000 (WB, WMO) | USD 2M - World Bank/DFID Programme on Asia Resilience to Climate Change Trust Fund (PARCC). Irrigation Restoration and Development Project 22,800,000 (WB) | 8.4x |

Project Update in Afghanistan

- Joint Technical meetings with WMO and GOIRA conducted and priority activities identified; TORs for 3 activities developed; technical consultant for coordination engaged.
- Assessment for one of the priority activities - Drought early warning system, with a link with a broader engagement led by the WB - planned in Dec 2019, Technical expert contracted.
- Close coordination with WMO and joint mission planned for December 2019

Progress in terms of CREWS Regional Output: Increased Institutional and human capacities at Regional level

Caribbean: Finalization of the diagnostic is underway and draft regional strategy under preparation

Pacific: Long-term strategic plan for FMS/RSMC Nadi completed

West Africa: Mobilized technical experts from regional and global centers to support regional institutions for (i) severe weather forecasting (ANACIM), (ii) flood forecasting (ANACIM + AGRHYMET), regional climate coordination (AGRHYMET) and coastal inundation (with ANACIM + AGRHYMET + MOLOA)



Thank you

For further information please visit www.crews-initiative.org or
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WORLD BANK GROUP



GFDRR
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UNDRR
UN Office for Disaster Risk Reduction