THE USE OF EARTH OBSERVATION DATA FOR THE PREDICTION AND MONITORING OF CLIMATE EXTREME EVENTS

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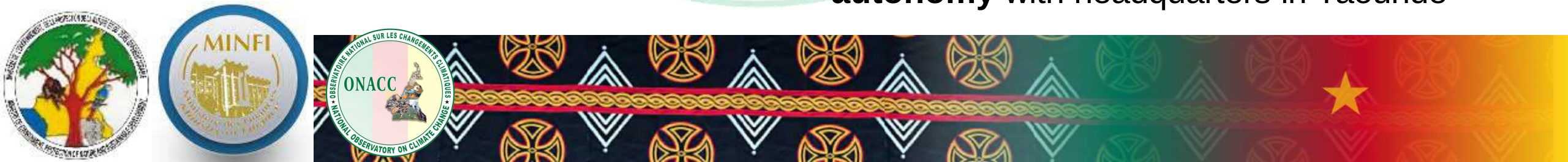
PLAN OF PRESENTATION

- WHO WE ARE!
- OUR MISSIONS
- CLIMATE EXTREME EVENTS
- RS/GIS APPLICATION
- DISSEMINATION OF CLIMATE INFORMATION

Who we are!

- **2007:** Announcement of the creation of ONACC by the President of the Republic, **H.E Paul BIYA**, during the Earth Summit in New York.
- **2009:** Establishment of ONACC by Decree No. 2009/410 on December 10, 2009.
- The ONACC is a Public Establishment with legal and financial autonomy, placed under the technical supervision of the **Ministry of the Environment** and the Financial supervision of the **Ministry of Finance.**
- **2015: Operationalization** of ONACC by Decree No. 2015/513 on November 16, 2015.
- **2019:** Reorganization of ONACC by Decree No. 2019/026 on January 18, 2019, granting it the status of a **Public Establishment with Scientific and Technical Character** and that of a **General Directorate**.
- **2023:** Appointment of members of the **Board of Directors** by Decree No. 2023/325 on August 3, 2023.
- NOCC has a **moral authority and financial autonomy** with headquarters in Yaounde



OUR MISSIONS

Principal Mission:

«monitor and assess the socio-economic and environmental impacts of climate change and propose measures to prevent, mitigate and/or adapt to the adverse effects and risks associated with climate change »

This mission is divided into 2 actions:

Adaptation: The production of climatological information/services.

Mitigation: Monitoring and evaluation of greenhouse gas emissions in Cameroon.

CLIMATE EXTREME EVENT


Floods


Drought

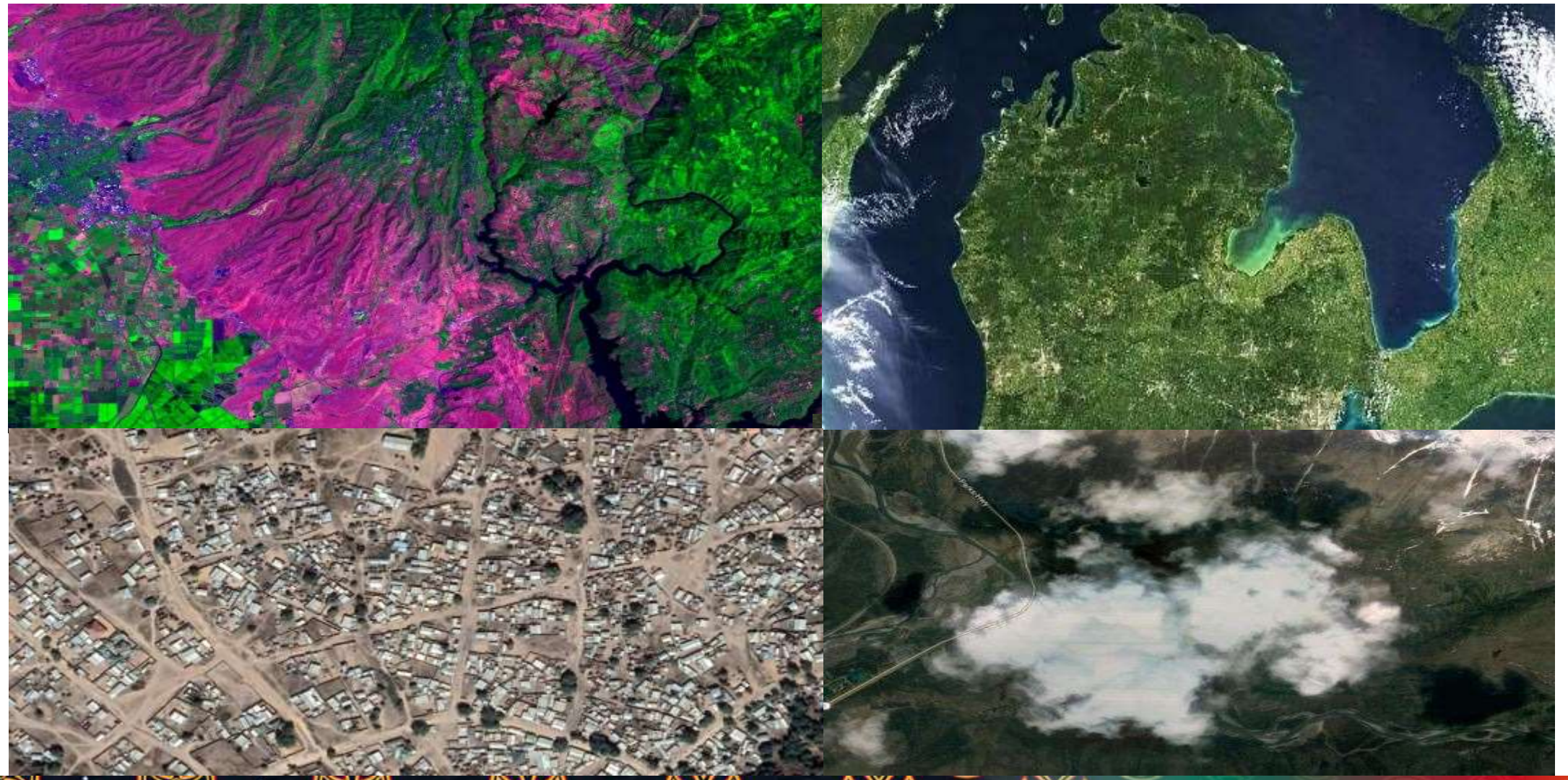

Landslides


Erosion


Sea Level


Epidemic

KEY FACTORS FOR QUALITY RESULTS FROM EO APPLICATIONS

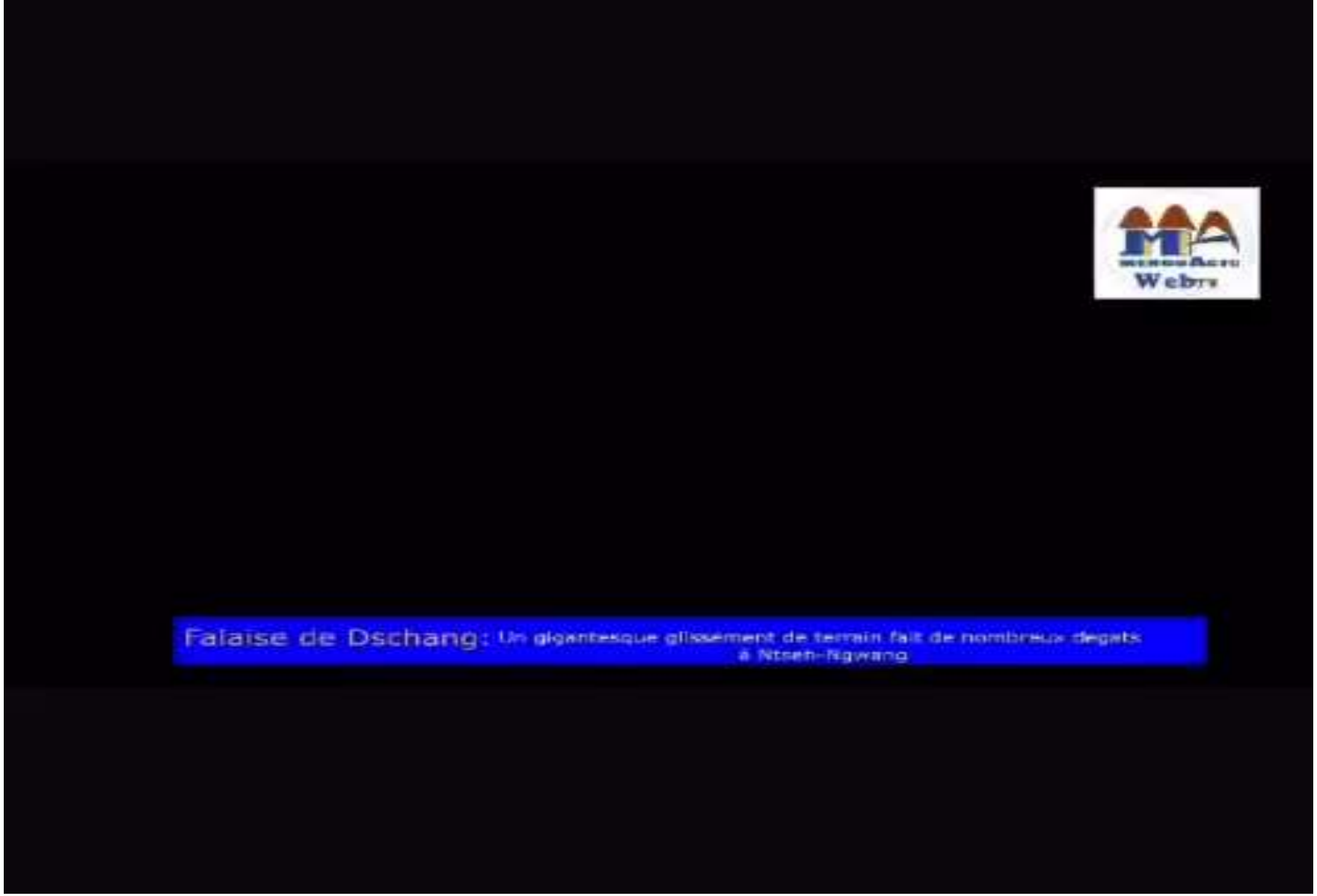


Dissemination of Climate Information

- Administration/key stakeholders
- Website: www.onacc.cm
- Social Media Platforms : Linking, Facebook, twitter, WhatsApp .
- Community Radios
- Web App: Onacc Alerts

ALERTS !!!

Risk type	Region	Locality to be likely affected	Most probable period of occurrence	Expecte o' dete
Flooding	Northwest	Widikum	01-05	Rainfall(
	Littoral	Nkongsamba /Douala IV&V/Penja	01-04	Rainfall(
	Far-North	Riverine floods around riverbank settlements in the North and Eastern parts of the logone and chari Division	01-10	High discha lowe
	Centre	Yaounde (Nkolbisson,Central town,Nkolmesseng,Mballa 3ème, Elig-Edzoa/southern parts of Etoa-Meki,Corneil,Omnisports).	02-06	Rainfall(
	South	Ambam/ Meka'a I/ Nyabizan	03-06	Rainfall(
	Southwest	Bangem /Tiko/Bamusso/Limbe	02-05	Rainfall(
	West	Bafang/ Kekem	01-03	Rainfall(
Landslide/ Subsidence	Northwest	Mezam (Akum, Up-station, Upper-Bandia, Sisia, [illegible] ba, Mendankwe,).Boyo (Belo,Njinikom,Mbingo). Momo (Widikum).	01-10	Rainfall(
	West	Haut-Plataux(Batie).Menoua(Fokoue, Foreke, Foto, Fongo-Tongo).Haut-[illegible]kam(Kekem, Bafang, Bana),Nde(Bazou)	01-10	Rainfall(
		[illegible] ba, Nlohako, Manjo)&Nkam	01-10	Rainfall(
	Southwest	Lebialem(Wabane, Lewou, Azi, Fontem, Dunganted, Esso-Atah, Bamouck, Barenka). Fako (Limbe, Buea,Mutengene).Kupe-muanenguba (Njungo, Nsuke-Tombel)	01-10	Rainfall(
Thunder storms and Lightning	Centre/South & East	Across the three regions	01-10	High c
	Western Highlands	Across the West &Northwest	01-10	High c
	Littoral& Southwest	Across the Littoral &Southwest	01-10	High c


Webtv
Falaise de Dschang: Un gigantesque glissement de terrain fait de nombreux degats
à Ntseh-Ngwang

EARTH OBSERVATION: RECENT SUCCESS STORIES

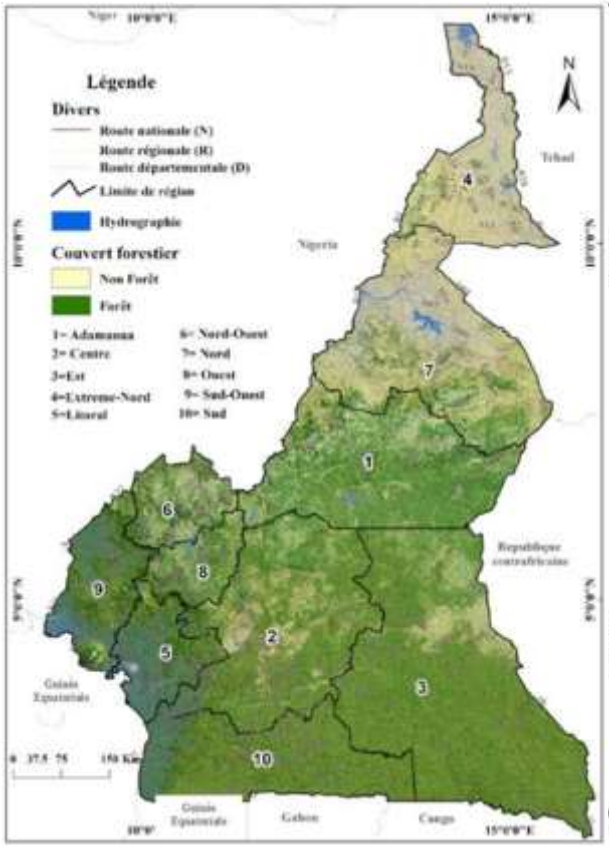
- Mapping of Forest Cover Loss
- Construction of a Bridge over River Ntem (Cameroon – Equatorial Guinee)
- Disappearing Cameroon Islands and Mangrove Forest
- Water Resources (water and Energy)

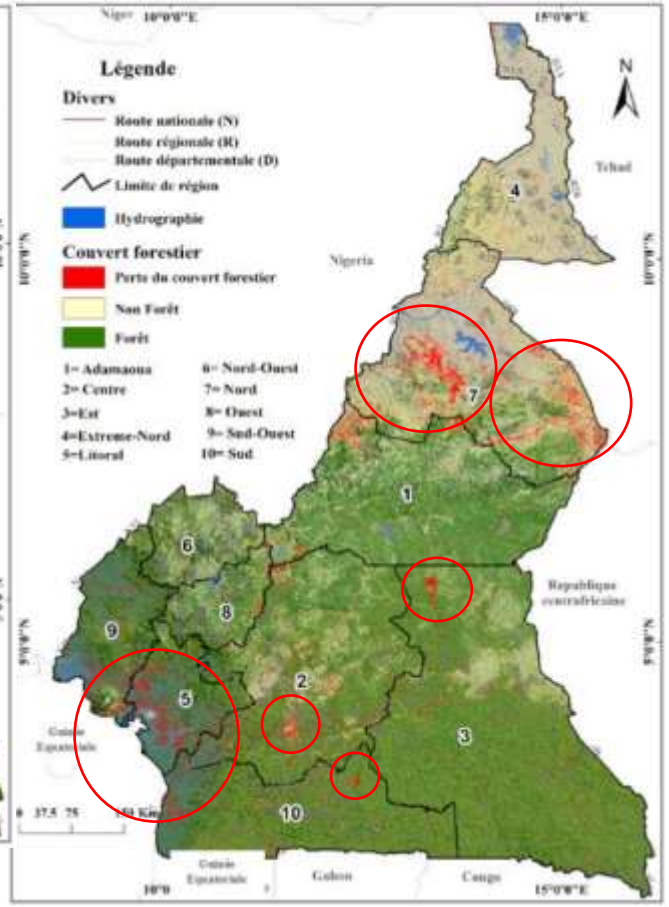
Results 2/**27**

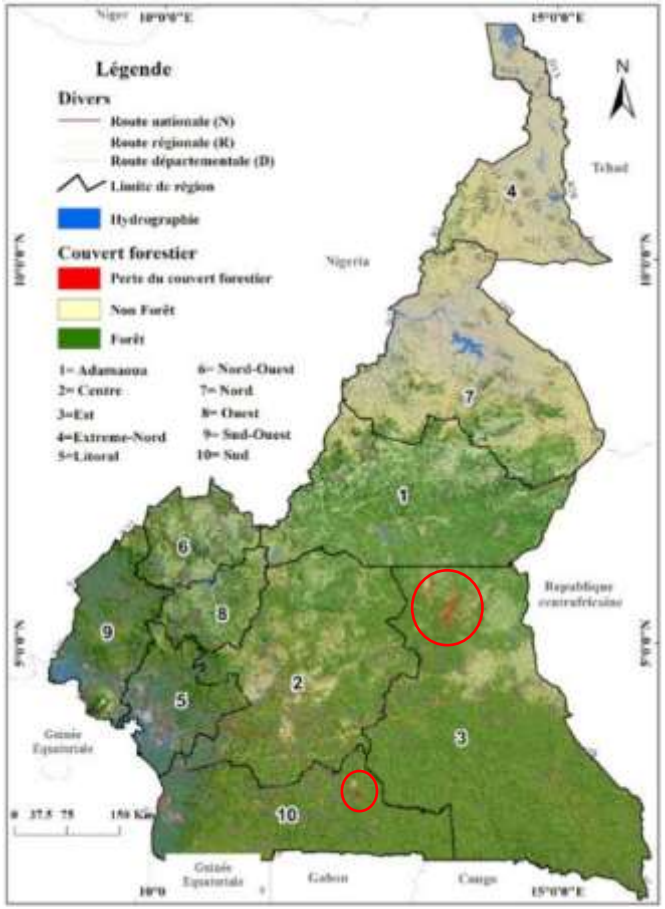
Forest cover loss at national level

✓ **Reference forest cover in 2000**

32,640,673 ha of forest, i.e. 70% of the national land area.







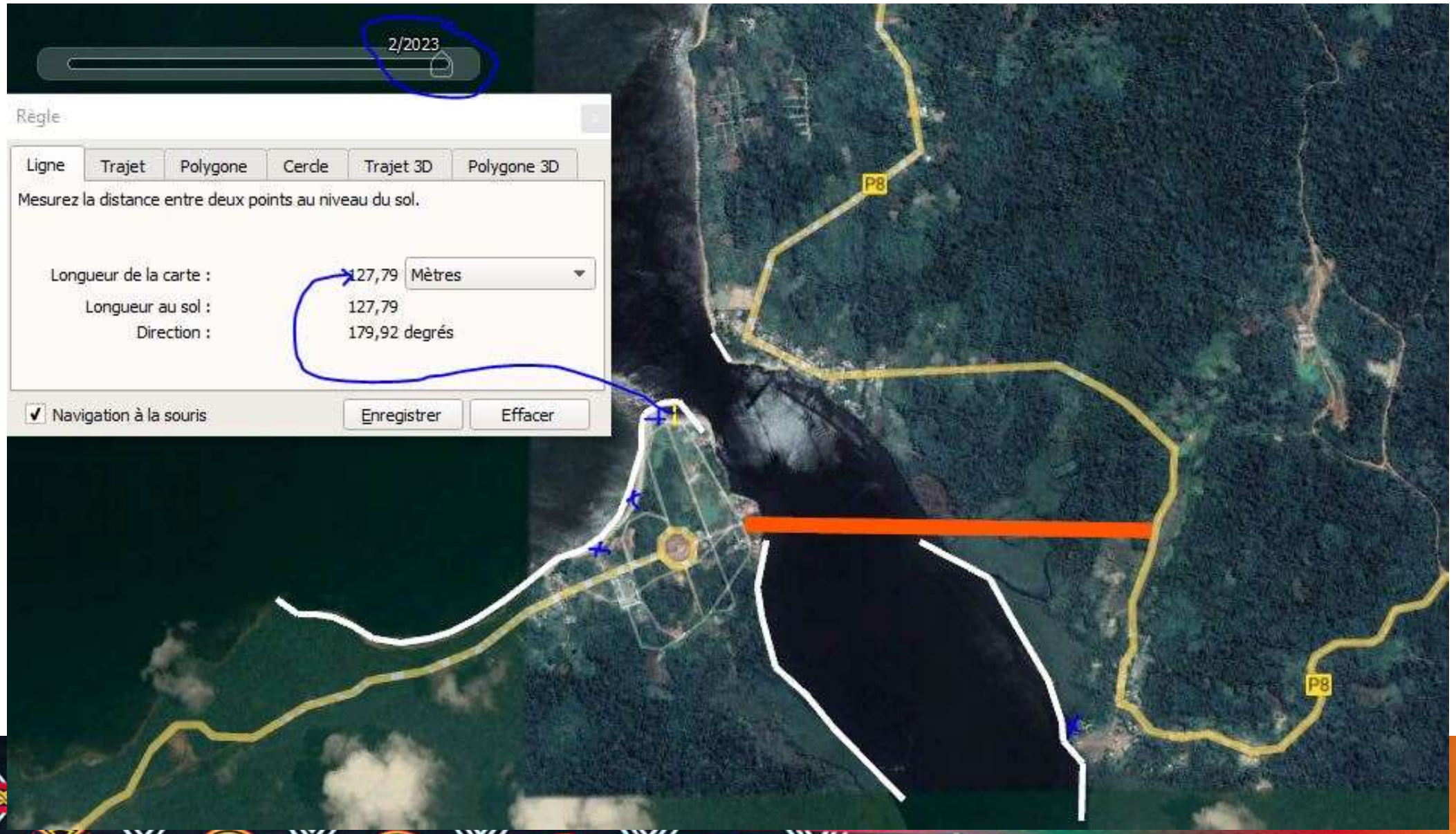
Results 04/27

Forest cover loss statistics from 2000 to 2015, 2015-2017 2000-2017 in Cameroon (ha)

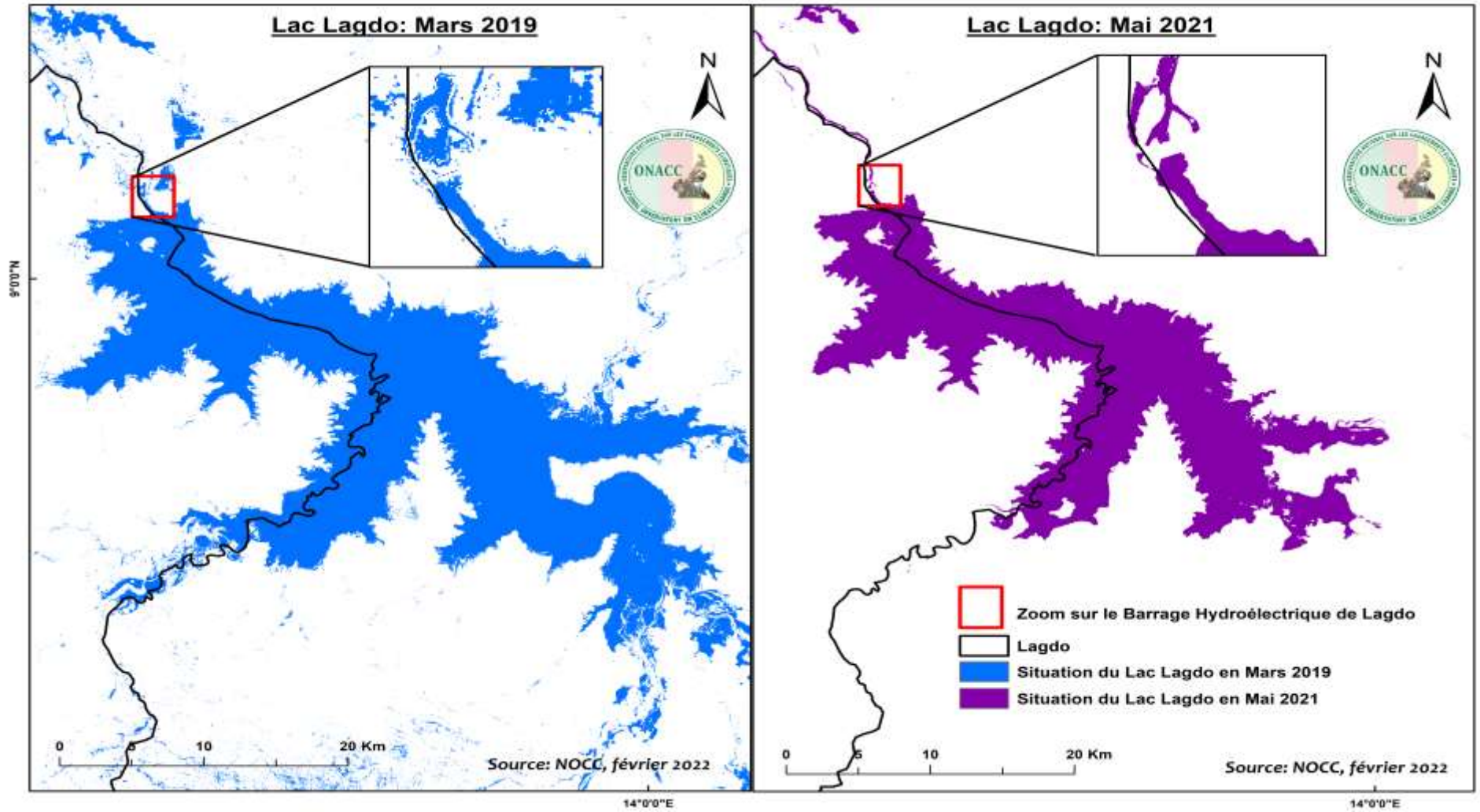
Régions	Forêt 2017	Non Forêt 2017	PCF_2000-2015	Taux de pertes 2000-2015	PPCF_ ST	PCF_2015-2017	Taux de pertes 2015-2017	PCF_ ST	PCF_2000-2017	Taux de pertes 2000-2017	PCF_ ST
Adamaoua	4 312 842	2 232 697	138 965	0.2	2.37%	13374	0.2	0.21%	152 339	0.2	2.37%
Centre	5 423 099	1 404 736	176 252	0.2	3.65%	75643	0.7	1.10%	251 895	0.3	3.65%
Est	9 444 328	1 157 397	117 645	0.1	1.76%	75968	0.4	0.69%	193 613	0.1	1.76%
Extrême - Nord	142 265	3 911 591	27 875	1.2	0.81%	217	0.1	0.01%	28 092	1.1	0.81%
Littoral	1 827 995	112 518	134 674	0.5	8.36%	33518	0.9	1.67%	168 192	0.5	8.36%
Nord-Ouest	920 740	921 877	10 876	0.1	0.91%	4954	0.3	0.28%	15 830	0.1	0.91%
Nord	1 321 412	6 221 579	493 548	2.1	7.43%	2909	0.1	0.04%	496 457	1.9	7.43%
Ouest	971 470	437 648	25 890	0.2	2.19%	4548	0.2	0.33%	30 438	0.2	2.19%
Sud-Ouest	2 258 779	149 102	77 274	0.2	3.71%	15121	0.3	0.61%	92 395	0.2	3.71%
Sud	4 449 473	64 007	96 505	0.1	2.94%	42514	0.5	0.90%	139 019	0.2	2.94%
Total	31 072 403	16 613 152	1 299 504	0.3	3.35%	268766	0.4	0.57%	1 568 270	0.3	3.35%

PCF = Forest Cover Loss, PPCF_ST=Proportion of Forest Cover Loss in relation to territorial area

Construction of a Bridge over River Ntem (Cameroon –Equatorial Guinee)



Monitoring of Water Resource



Thank You For Your Keen Attention