

Benin Country Poster

BENIN CIEWS PROJECT

APPLICATIONS	CONTRACTS & SERVICES	INSTITUTIONS OR ORGANIZATIONS
1 - Agricultural extension (improved crop yields, pest management, etc.)	- climate forecasts, regional forecasts, downcast forecasts	- NIPDS, local meteorological stations, NGOs, local government, etc.
2 - Urban planning (water supply, drainage, etc.)	- rainfall, hydrology, water, climate, water, hydrological forecasts	- National Institute for Research and Innovation in West Africa (NIRWA), National Institute for Research and Innovation in West Africa (NIRWA), National Institute for Research and Innovation in West Africa (NIRWA)
3 - Climate change management (design, adaptation, etc.)	- modeling, vulnerability, impact, risk, adaptation, etc.	- National Institute for Research and Innovation in West Africa (NIRWA), National Institute for Research and Innovation in West Africa (NIRWA), National Institute for Research and Innovation in West Africa (NIRWA)
4 - Disaster risk management (preparedness, response, etc.)	- climate, risk, impact, forecast, etc.	- National Institute for Research and Innovation in West Africa (NIRWA), National Institute for Research and Innovation in West Africa (NIRWA), National Institute for Research and Innovation in West Africa (NIRWA)
5 - Health services (management, etc.)	- health, impact, forecast, etc.	- National Institute for Research and Innovation in West Africa (NIRWA), National Institute for Research and Innovation in West Africa (NIRWA), National Institute for Research and Innovation in West Africa (NIRWA)
6 - Transportation (management, etc.)	- all basic, impact, forecast, etc.	- National Institute for Research and Innovation in West Africa (NIRWA), National Institute for Research and Innovation in West Africa (NIRWA), National Institute for Research and Innovation in West Africa (NIRWA)
7 - Business (management, etc.)	- short term forecasts	- National Institute for Research and Innovation in West Africa (NIRWA), National Institute for Research and Innovation in West Africa (NIRWA), National Institute for Research and Innovation in West Africa (NIRWA)
8 - Security and defense (management, etc.)	- test data, etc.	- National Institute for Research and Innovation in West Africa (NIRWA), National Institute for Research and Innovation in West Africa (NIRWA), National Institute for Research and Innovation in West Africa (NIRWA)
9 - Long term development strategies (management, etc.)	- climate, scenario, long term, climate, impact, etc.	- National Institute for Research and Innovation in West Africa (NIRWA), National Institute for Research and Innovation in West Africa (NIRWA), National Institute for Research and Innovation in West Africa (NIRWA)
10 - Urban planning (management, etc.)	- hydro, test forecasts	- National Institute for Research and Innovation in West Africa (NIRWA), National Institute for Research and Innovation in West Africa (NIRWA), National Institute for Research and Innovation in West Africa (NIRWA)
11 - Sustainable agriculture (management, etc.)	- hydro, test forecasts	- National Institute for Research and Innovation in West Africa (NIRWA), National Institute for Research and Innovation in West Africa (NIRWA), National Institute for Research and Innovation in West Africa (NIRWA)
12 - Local risk management (management, etc.)	- forecasts and historical records	- National Institute for Research and Innovation in West Africa (NIRWA), National Institute for Research and Innovation in West Africa (NIRWA), National Institute for Research and Innovation in West Africa (NIRWA)
13 - Disaster preparedness (management, etc.)	- large, climate, impact, forecast, etc.	- National Institute for Research and Innovation in West Africa (NIRWA), National Institute for Research and Innovation in West Africa (NIRWA), National Institute for Research and Innovation in West Africa (NIRWA)
14 - Disaster management (management, etc.)	- forecast	- National Institute for Research and Innovation in West Africa (NIRWA), National Institute for Research and Innovation in West Africa (NIRWA), National Institute for Research and Innovation in West Africa (NIRWA)
15 - Telecommunication (management, etc.)	- forecast	- National Institute for Research and Innovation in West Africa (NIRWA), National Institute for Research and Innovation in West Africa (NIRWA), National Institute for Research and Innovation in West Africa (NIRWA)
16 - Infrastructure design (management, etc.)	- forecast	- National Institute for Research and Innovation in West Africa (NIRWA), National Institute for Research and Innovation in West Africa (NIRWA), National Institute for Research and Innovation in West Africa (NIRWA)

Regional Strategic Aspect

- BURKINA FASO: learn about their experience in real data transmitting (difficulties, success and advantage of implementation)
- SYNERGIC with Niger, Nigeria, Burkina Faso and Top 5 Data Collection and Sharing in real time
- All Country are invited to improve learn about Benin experience in institutional arrangement of early warning system.

Recent Studies and Results

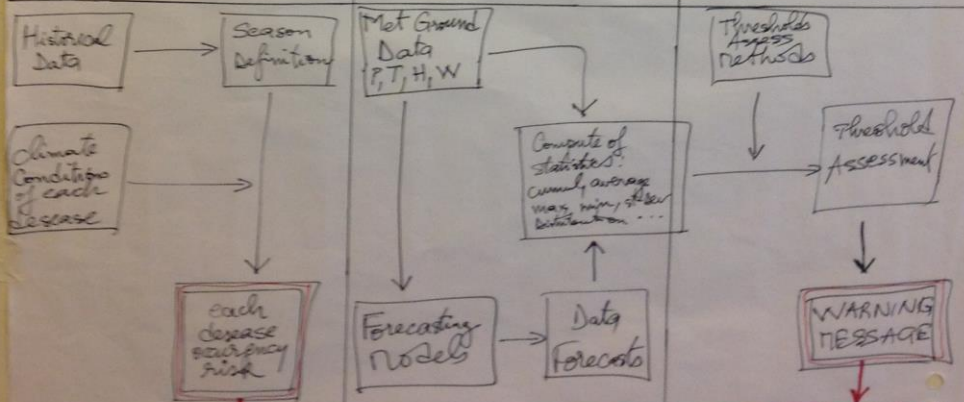
- Rainfall data measurement by GSM Network: Testing and appreciation of this approach for operational needs
- Implementation of Earth Networks System Lightning detector: Testing is going now.

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      HD[Historical Data] --> CA[Climate Change Attribution Research]
      CCR[Climate Change Attribution Research] --> RMTS[Real-time Monitoring System]
      CCR --> FM[Forecasting Models]
      RMTS --> DF[Data Forecasts]
      FM --> DF
      DF --> WM[Warning Message]
      WM --> CPD[Climate products developed for physician]
      HD --> CGD[Climate Change Attribution Research]
      CGD --> RMTS
      CGD --> FM
      CGD --> DF
      CGD --> WM
      CGD --> CPD
  
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BENIN CI/EWS PROJECT

APPLICATIONS	PRODUCTS & SERVICES	PARTNERS & STAKEHOLDERS
1- Agricultural Activities Management (Crop calendar, fisheries, livestock)	- Agronet bulletin; seasonal forecasts; Marine Net forecasts	- Agricultural Services farmers organization; NHMS, Local Administration
2- Water resources management (City to city) (water production, water infrastructure; water supply; Hydropower)	- Net bulletin; Hydrologic bulletin; HydroNet data base; HydroNet forecasts	- NHMS; Local Administration, Street Vendors, Private Companies for water distribution and hydro power
3- Climate insurance products design and agricultural credits.	- Threshold and cumulative hydro and meteorological data	- Net Office; Insurance and Bank Companies Farmers organization
4- Medicines stocks management against climate diseases	- Thresholds and seasonal forecasts from meteorological data and hydro	- Central Medicines Management authorities, Pharmacy
5- Events agenda Management	- Daily to monthly forecasts (short to long term)	- NHMS, organizations, committees, traditional religious and authorities
6- Transportation Management	- All time-scales forecasts	- National Transportation Authorities, Transportation Companies and traders
7- Disasters Management	- Short term forecasts	- Disaster Management authorities; Local authorities; disaster related NGOs
8- Security and Defence Management	- Net Data 979	- Army; Police;
9- long term development strategies setting.	- Climate scenario; long term climate impacts	- Government; Local Authorities Regional Communities
10- stocks security management against inclement (food, industrial and chemical products ...)	- Hydro-Net forecasts	- Industrial Farmers Association, International Organizations
11- Solar and micro-irrigation agents management	- Hydro-Net forecasts	- Educational, traditional local authorities, public and private.
12- Climate risk investigation	- Forecasts and historical variability	- NHMS, Broadcast authorities, NGOs, Universities, schools
13- Touristic products setting	- Local climatology and seasonal forecast	- NHMS service, Touristic authorities
14- Eco System management	- forecast	- NHMS, Natural resources authorities
15- Telecommunication Management	- forecast	- NHMS, Telecommunication Companies
16- Infrastructure Design	- forecast	- NHMS, Authorities in charge of infrastructure building.



Climate products developed for physician

Regional Synergies Aspect

- Burkina Faso: Learn about their experience in Met data transmitting (difficulties, constraints, and advantage of implementation)
- Synergies with Niger, Nigeria, Burkina Faso and Togo: Data Collection and Sharing in real time
- All Country are invited to ~~inspired~~ learn about Benin experiences in institutional arrangement of our project and ~~the~~ early Warning System.

Recent studies and Results

- Rainfall data measurement by GSM Wave: Testing and appreciation of this approach for operational needs
- Implimentation of Earth Networks System Lightning detector: Testing is going now.

