



UNITED NATIONS
Office for Outer Space Affairs

**Improving Early Warning
to enhance
Early and Efficient Response**

14 September 2022

United Nations Office for Outer Space Affairs
United Nations Office at Vienna
www.unoosa.org



Improving Disaster Response efforts in Nigeria

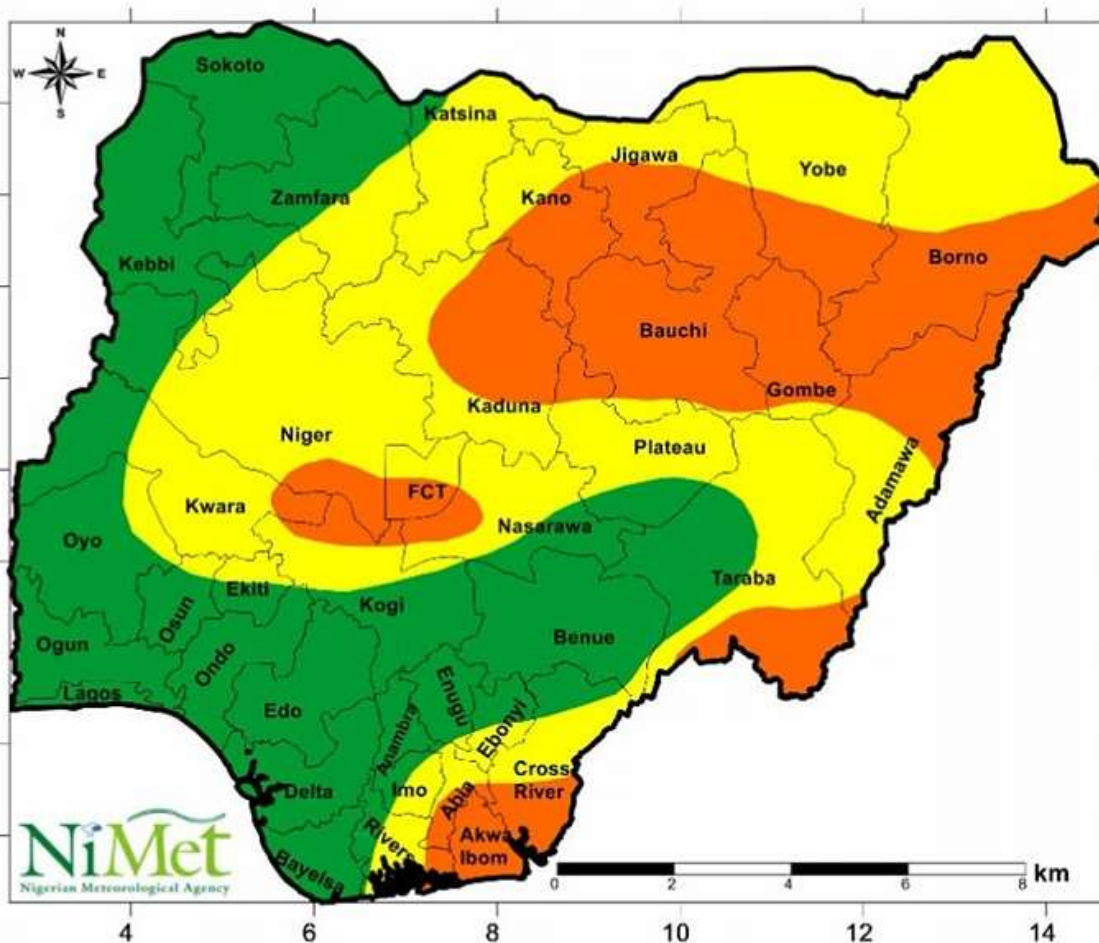
Flood Early Warning Systems and the National Emergency Operations Centres:

The Emergency Operation Centre in Abuja can achieve its aims more effectively in case of floods in the Benue and Niger rivers if it has tactical information on potential impacts of floods and it is able to coordinate the mobilization of resources to mitigate impacts.





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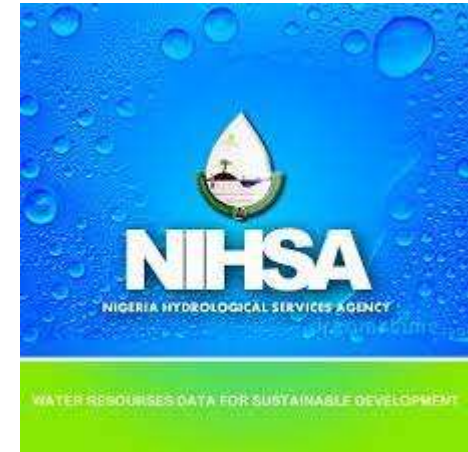
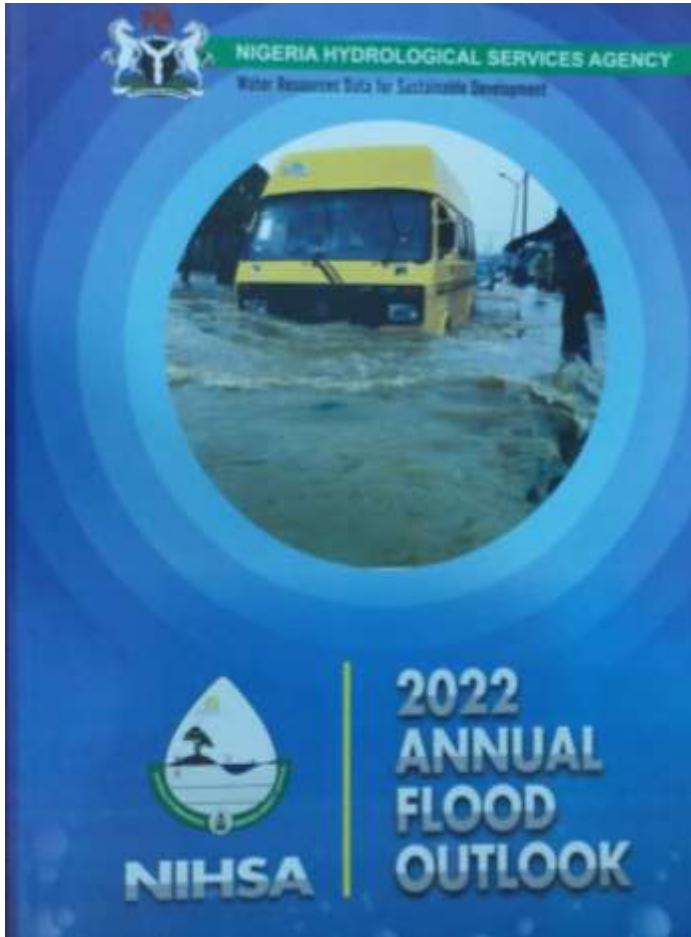
Legend

- No Hazard is expected**
(Light or no rainfall is expected)
- Be aware of possible hazard**
(Low rainfall amount is expected)
- Be prepared for action**
(Moderate Rainfall amount is expected)
- Take action**
(Heavy Rainfall amount is expected)



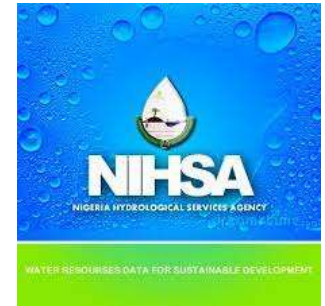
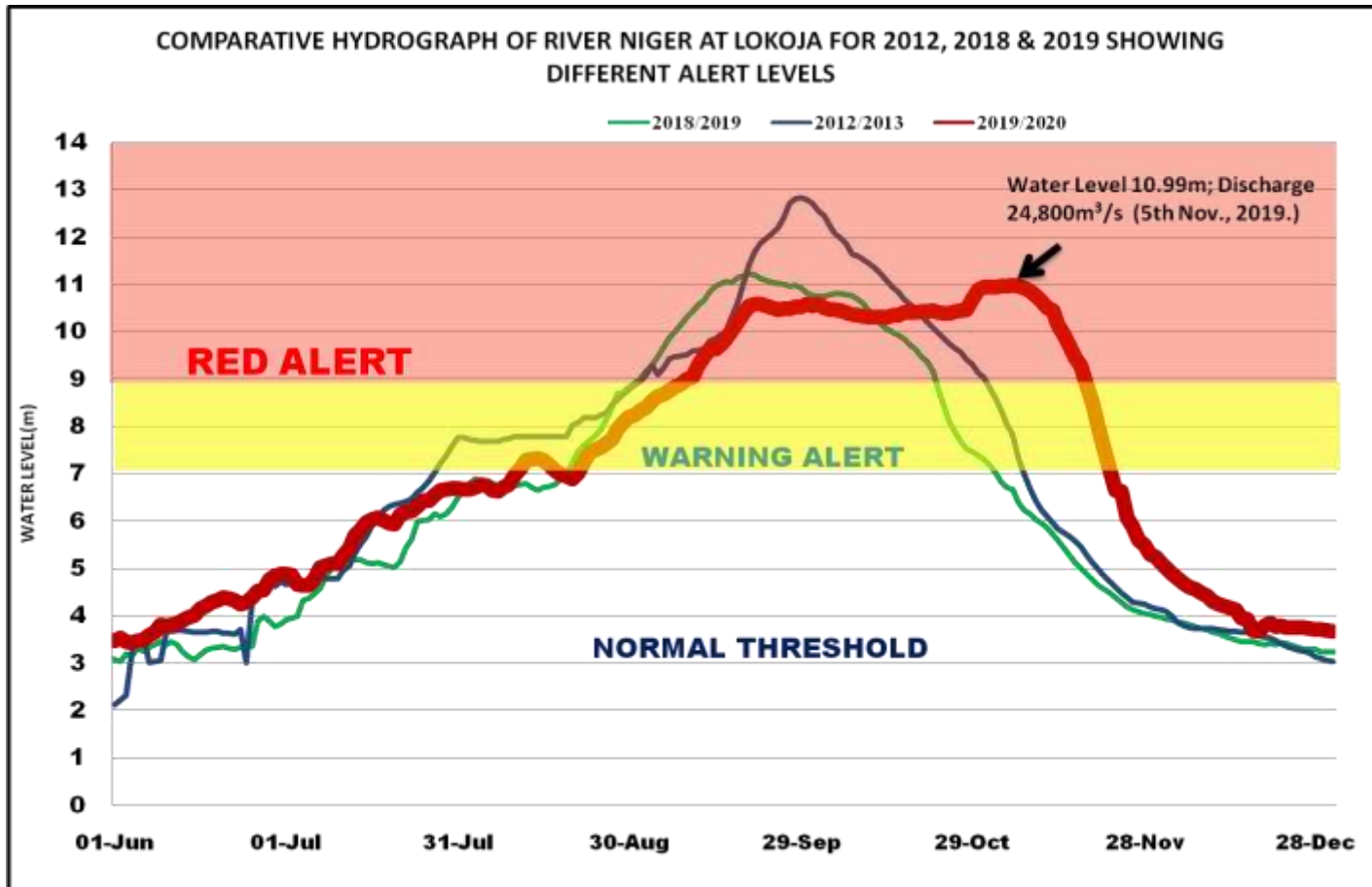
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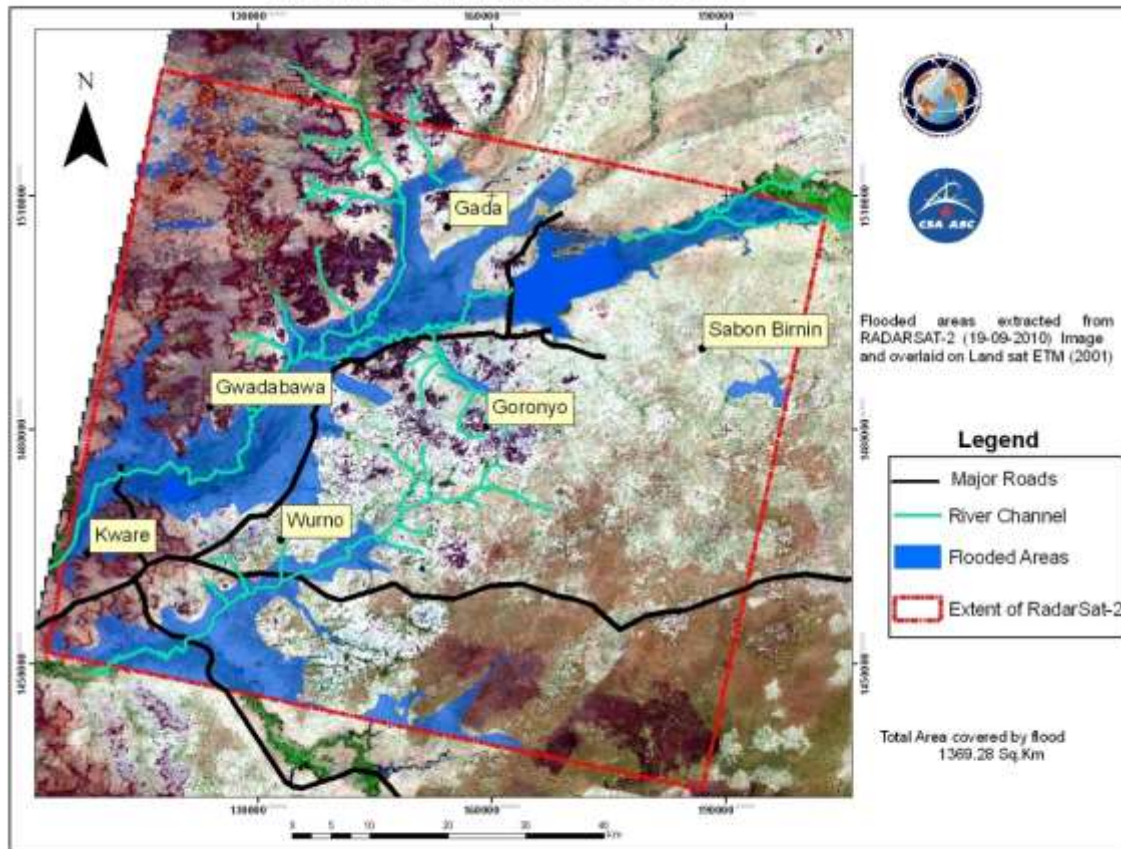
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Flooded Areas in Parts of Sokoto State

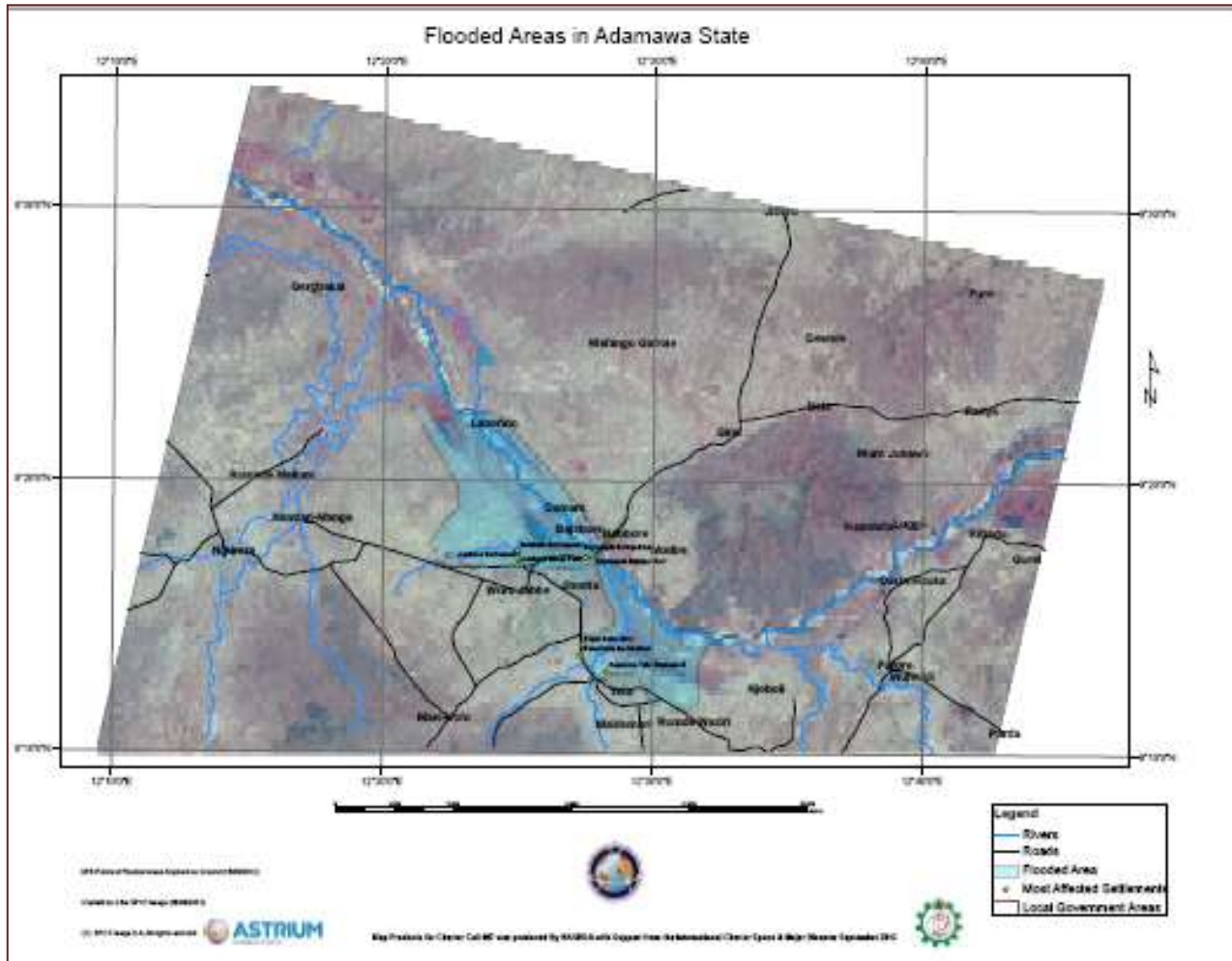


Floods in 2011.

Map produced by
NASRDA



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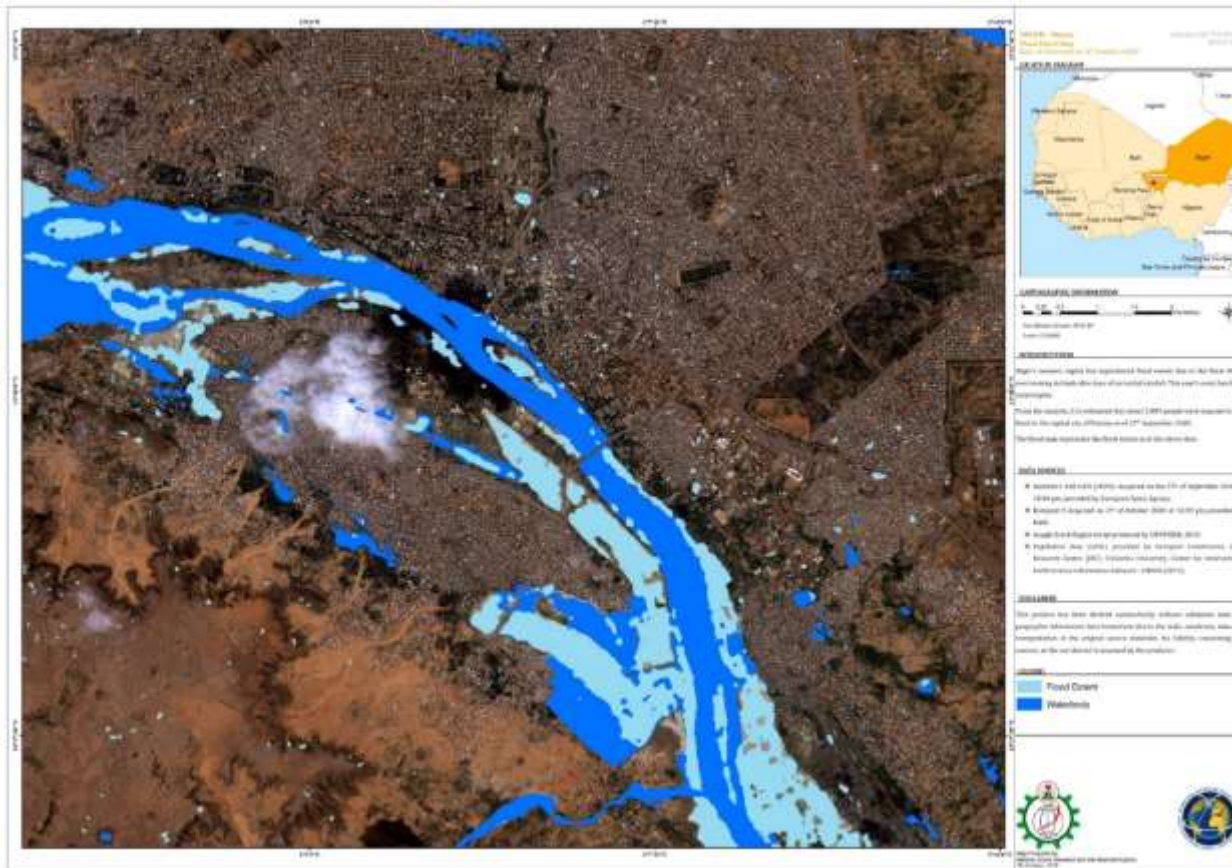


Adamawa floods in
2012.

Map produced by
NASRDA



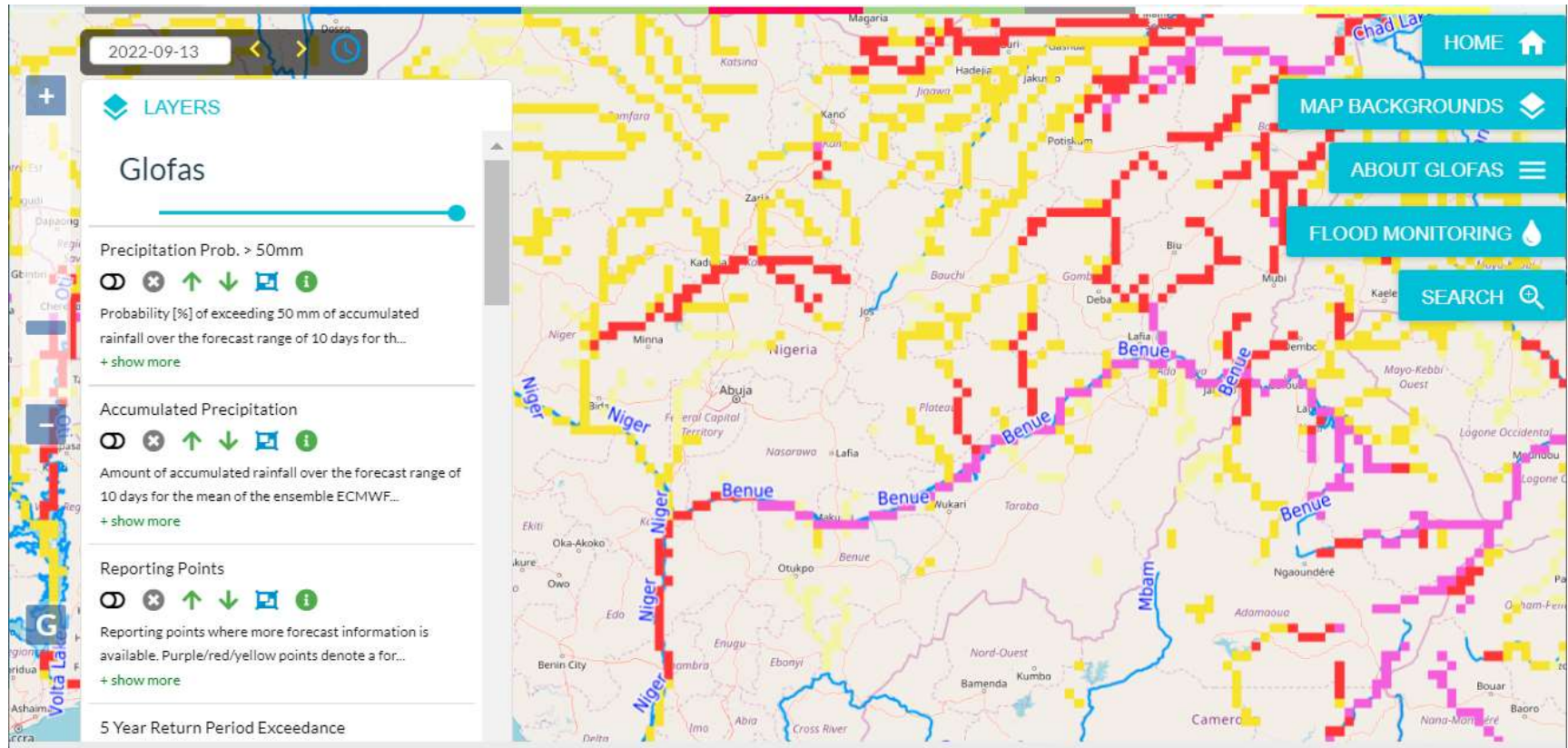
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Global Flood Awareness System of Copernicus





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Suggested next steps:

- Systematize historical information on impacts of floods and their timing
- Enhance the use of information provided by NIMET, NIHSA, NASRDA and other agencies
- Incorporate the use of other space-based information (exposure, GLOFAS, etc)
- Workshops to systematize and developd procedures to use these inputs in the EOC

