


JICA's Contribution for Combating Desertification and Sustainable Land Management in Dryland



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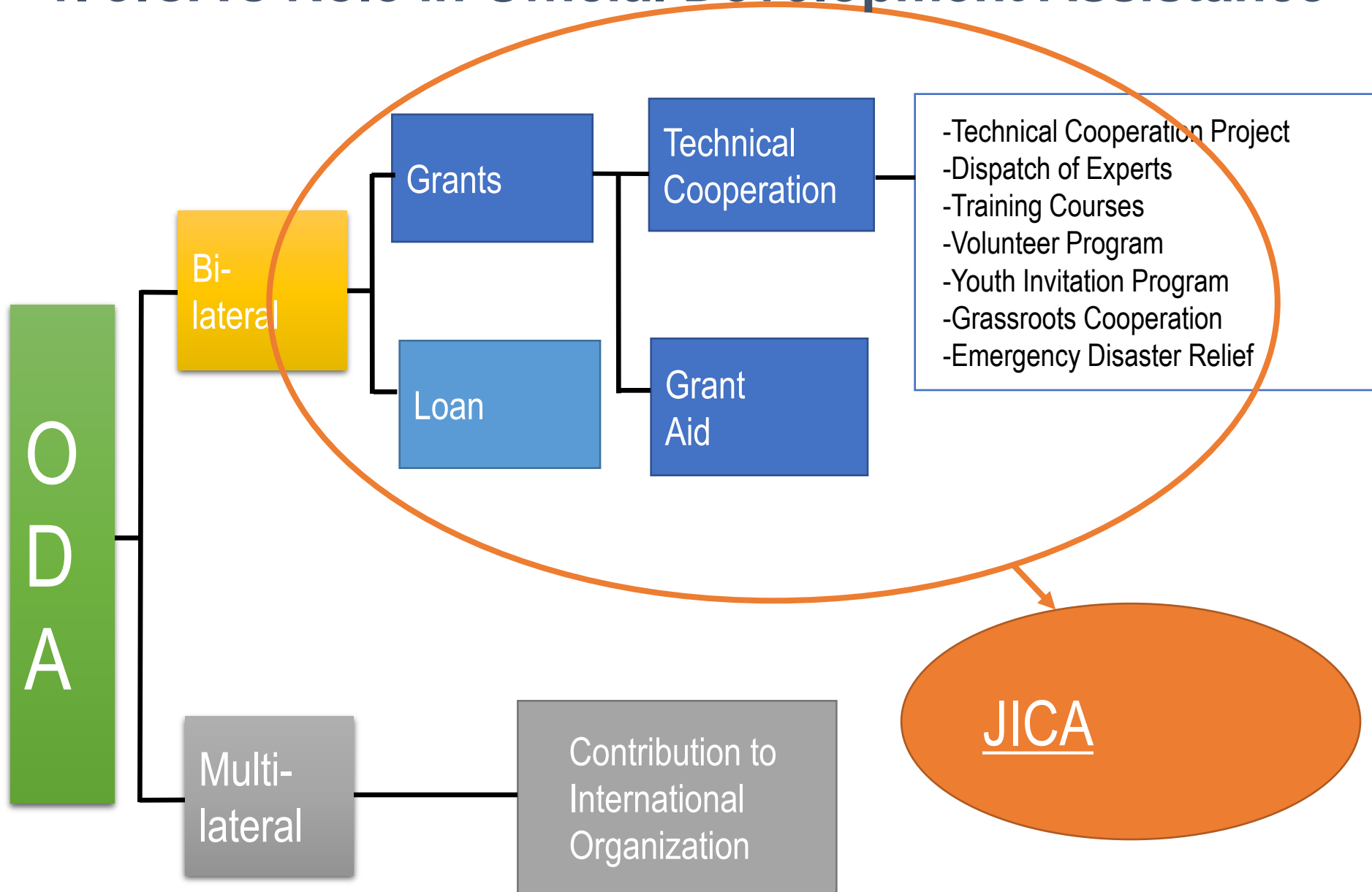
9th September 2017

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Contents

- 1. JICA's Support Strategy for Combatting Desertification and Sustainable Land Management in Dryland**
- 2. Technical Cooperation**
- 3. African Initiative for Combating Desertification (AICD): Strengthening Resilience in Africa**
- 4. An Idea of Future Programme to Strengthen Resilience in the Drylands in Africa through Sandstorm Forecasting**
- 5. Key Messages**

1. JICA's Role in Official Development Assistance



JICA's Support for Combatting Desertification and Sustainable Land Management

JICA's Four Strategic Objectives on Nature Conservation

Sustainable Forest Management against Climate Change

Ecosystem (including forest) - based Disaster Risk Reduction (Eco-DRR)

Sustainable Use of Natural Resources to Improve Livelihoods of Vulnerable Community

Biodiversity Conservation through Management of Protected Areas/ Buffer Zones

Alignment with Three Global Environmental Agenda

UNFCCC

UNCCD

UNCBD

2. Technical Cooperation

Capacity building Project for the Control of Land Degradation and the Promotion of Land Recovery in Degraded Soil Areas in Senegal(2011.3-2017.3)



The Project for Development of Next-Generation Sustainable Land Management (SLM) Framework to Combat Desertification(2017.4-) Ethiopia



3. African Initiative for Combating Desertification

Objectives: To contribute to

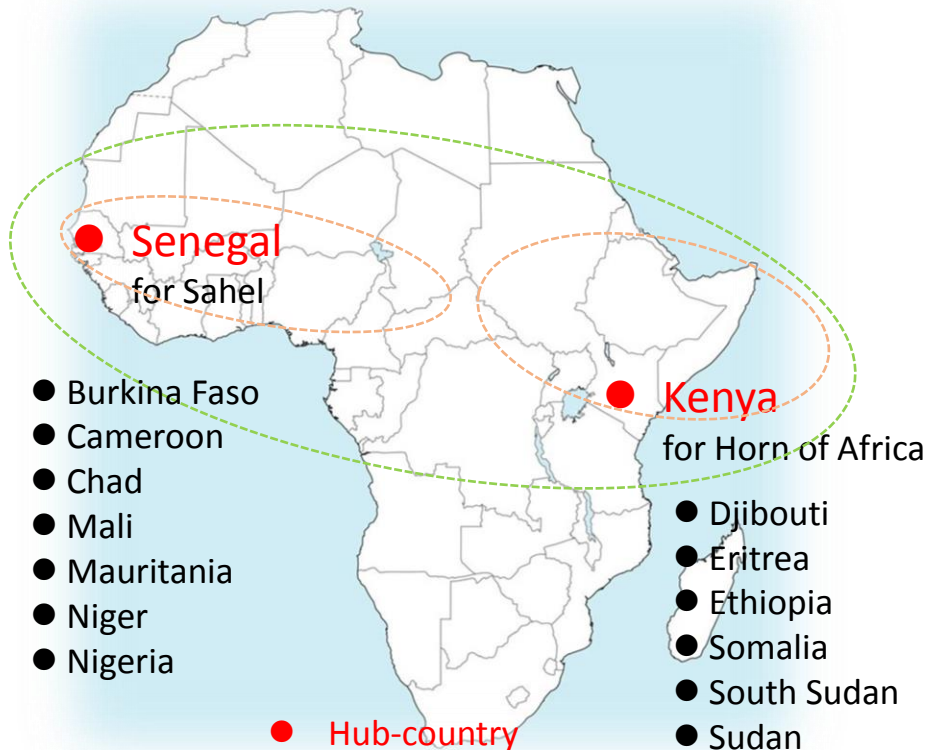
- 1) make nations and communities resilient to climate change by promoting measures for combating desertification
- 2) raise awareness of the international community to desertification

Duration: August 2016 - 2022

**Output 1:
Networking**

**Output 2:
Knowledge-sharing**

**Output 3: Improving
access to finance**



Other Initiatives

Main Activities / Progress



Partnerships

- 13 Partner Countries and 5 Partner Organizations
– Welcome any new partner

Country	Program	Mapping
Benin	Programme National de Développement Rural (PNDR)	Programme National de Développement Rural (PNDR)
Burkina Faso	Programme National de Développement Rural (PNDR)	Programme National de Développement Rural (PNDR)
Burundi	Programme National de Développement Rural (PNDR)	Programme National de Développement Rural (PNDR)
Cote d'Ivoire	Programme National de Développement Rural (PNDR)	Programme National de Développement Rural (PNDR)
Ghana	Programme National de Développement Rural (PNDR)	Programme National de Développement Rural (PNDR)
Guinea	Programme National de Développement Rural (PNDR)	Programme National de Développement Rural (PNDR)
Guinea-Bissau	Programme National de Développement Rural (PNDR)	Programme National de Développement Rural (PNDR)
Liberia	Programme National de Développement Rural (PNDR)	Programme National de Développement Rural (PNDR)
Mali	Programme National de Développement Rural (PNDR)	Programme National de Développement Rural (PNDR)
Niger	Programme National de Développement Rural (PNDR)	Programme National de Développement Rural (PNDR)
Nigeria	Programme National de Développement Rural (PNDR)	Programme National de Développement Rural (PNDR)
Senegal	Programme National de Développement Rural (PNDR)	Programme National de Développement Rural (PNDR)
Sierra Leone	Programme National de Développement Rural (PNDR)	Programme National de Développement Rural (PNDR)
Togo	Programme National de Développement Rural (PNDR)	Programme National de Développement Rural (PNDR)
Tunisia	Programme National de Développement Rural (PNDR)	Programme National de Développement Rural (PNDR)
Yemen	Programme National de Développement Rural (PNDR)	Programme National de Développement Rural (PNDR)

Action Plan (AP) / Program Mappings (PM)

- APs of Countries and APs / PM of Partners developed - Accelerate its implementation & further harmonization required



Knowledge-Sharing (K-S)

- Facilitate K-S of regional knowledge/experiences through Seminars, AICD Web and linkage with UNCCD market place, WOCAT, KEFRI K-S etc..



Access to Finance

- Info. sharing by GEF representatives in Regional Seminars
- Supporting Partner Countries to mobilize finance to actualize APs (GEF, GCF, ...)



AICD

**African Initiative for Combating Desertification
to Strengthen Resilience to Climate Change
in the Sahel and Horn of Africa**

CO-ORGANIZERS



PARTNER ORGANIZATIONS



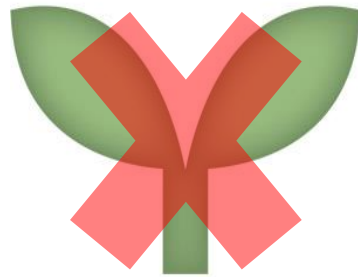
4. An Idea of Future Programme to Strengthen Resilience in the Drylands in Africa through Sandstorm Forecasting



Sandstorm forecasting helps avoid crop failure!

A farmer in Niger said...

Sowing millet when rainy season starts.



Reseeding...

**IF I know it
coming...**



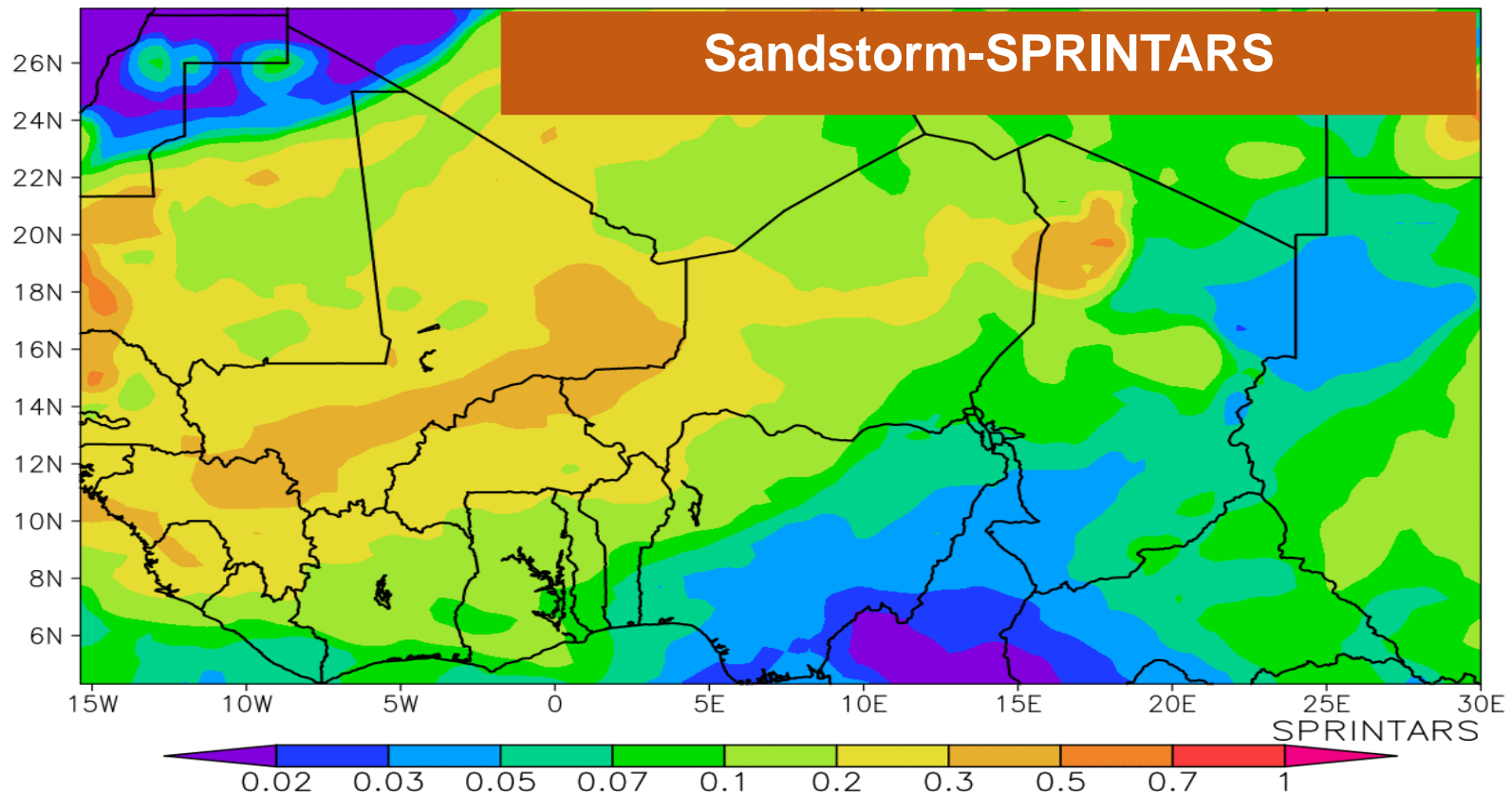
**Sow millet after the
storm passes!**



Simulations of Sand Dust Movements by Spectral Radiation-Transport Model for Aerosol Species (SPRINTARS)

2016/06/01 00:00UTC

Optical thickness (dust, 550nm)

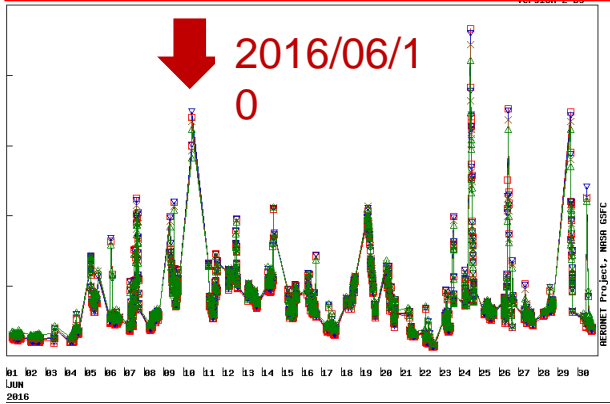


SPRINTARS (2016/06/01 – 2016/07/30)

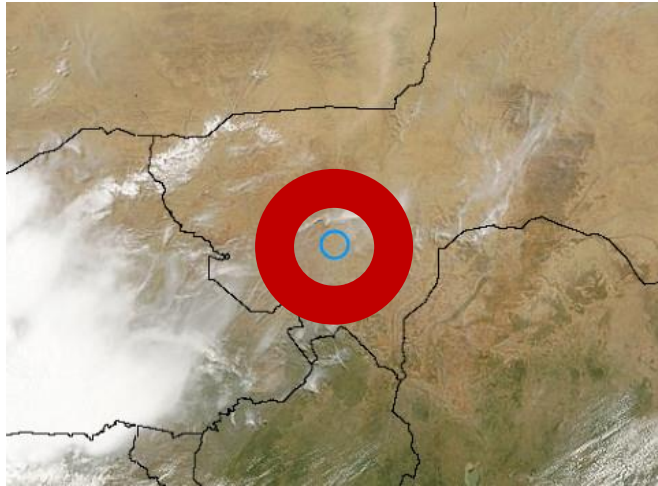
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Aerosol Optical Depth (AOD)

AOD is related to aerosol concentration.



Measurement at
Banizoumbou site from
AERONET web



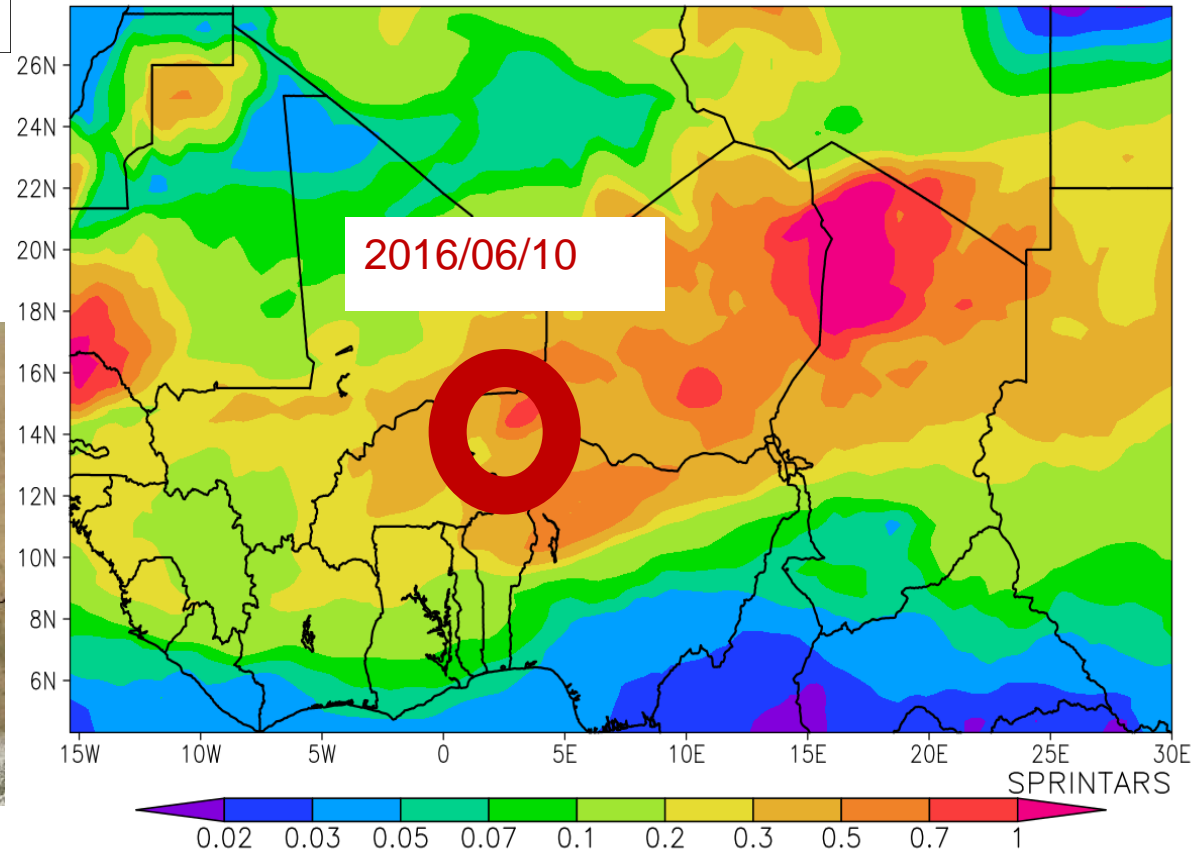
Niger

Preliminary Evaluation

Simulation result at Banizoumbou site, Niger

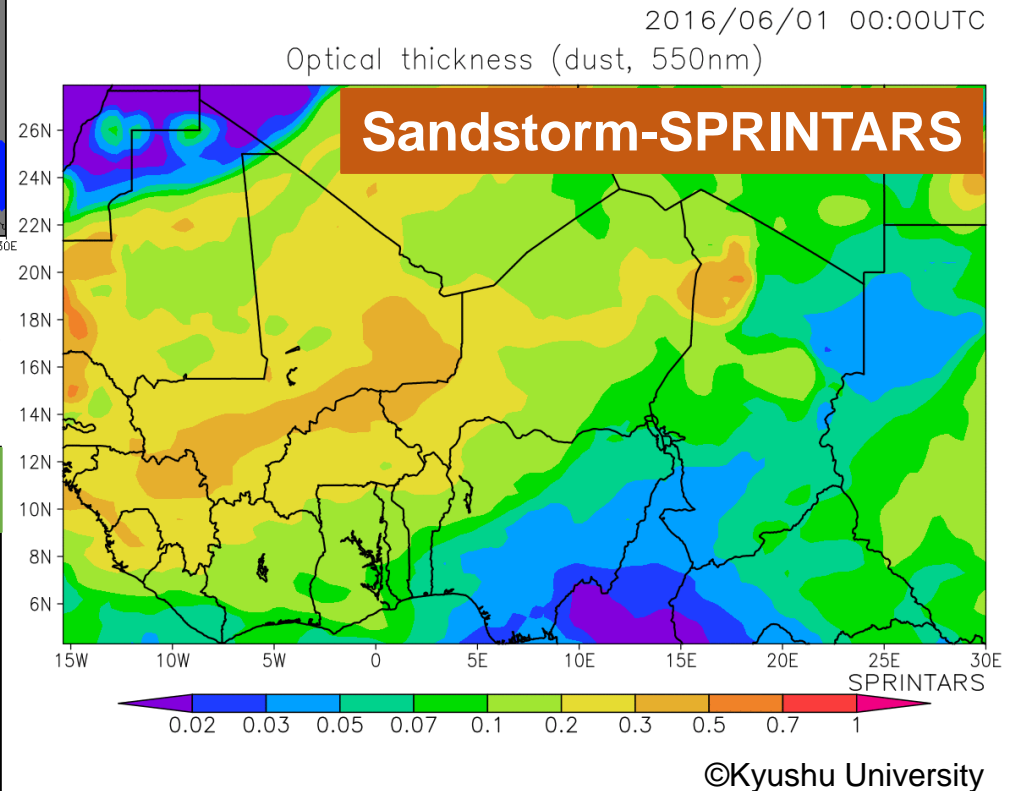
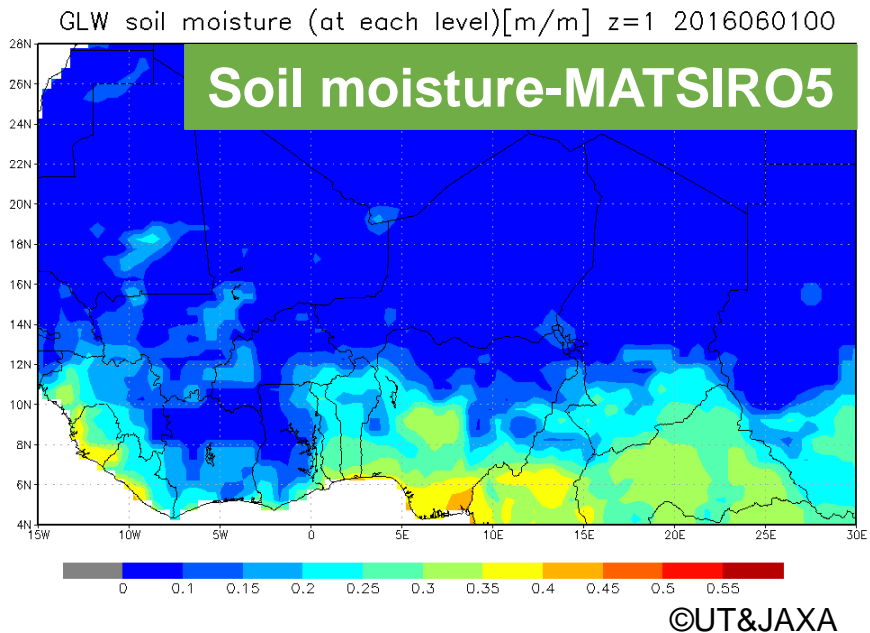
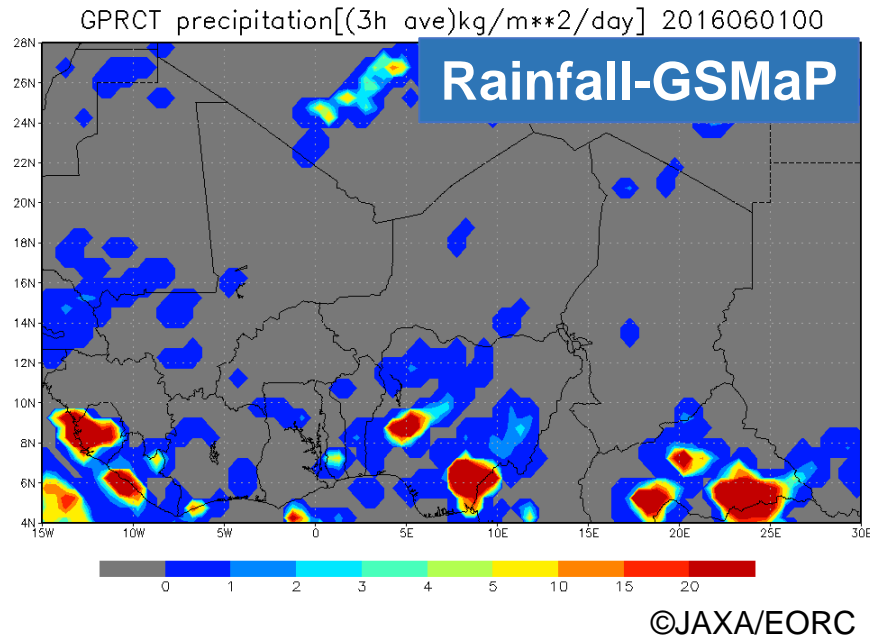
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Optical thickness (dust, 550nm)



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Provision of information based on remote sensing and simulation model



Simulation results of GSMaP, MATSIRO5 and SPRINTARS (2016/06/01 – 2016/07/30)

5. Key Messages

1. Desertification is an urgent and critical issue that links to poverty and instability
2. More political commitment of countries and support from international community needed to fight against desertification
3. Enhanced partnership among partner countries and development partners is key to success
4. JICA supports capacity development of countries emphasizing their ownership and needs

Thank you very much!



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Optical thickness (dust, 550nm)

