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# **Role USAID/OFDA in Global FFGS**

**By**

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# Agenda

- **USAID/OFDA**
- **End-to-end Early Warning**
- **Role of USAID/OFDA**
- **History of Flash Flood Guidance Programs**



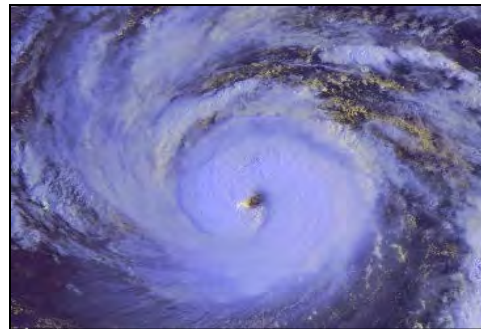


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# USAID/Office of US Foreign Disaster Assistance



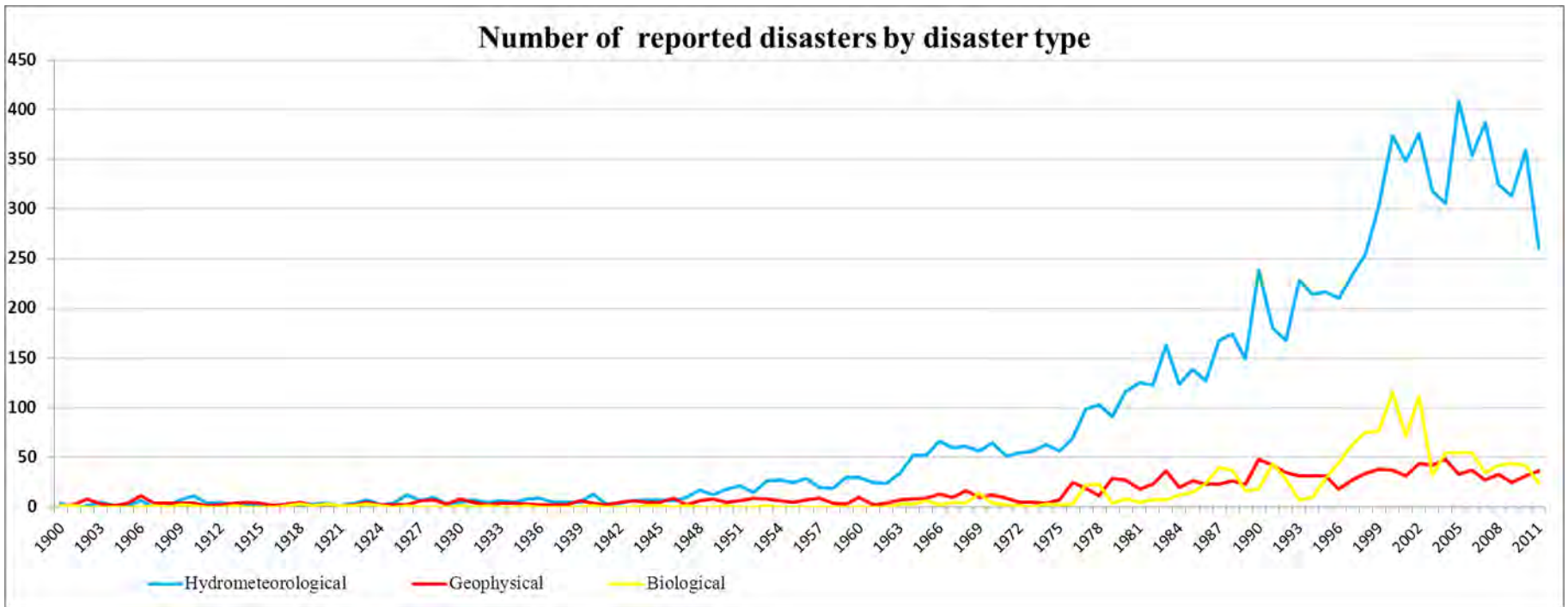
**Save lives,  
alleviate human suffering, and  
reduce the economic and social impacts  
of humanitarian emergencies**





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# Disaster Types



**Source:**  
**OFDA/CRED**





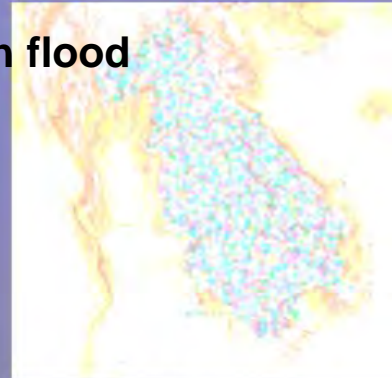
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# Global Flash Flood Guidance System (GFFGS)

**USAID/OFDA, WMO, US National Oceanic and  
Atmospheric Administration and Hydrologic  
Research Center**

- to provide early warnings of potential flash floods
- to strengthen the capacity of National Meteorological and Hydrological Services,
- to encourage transboundary collaboration
- improve community awareness of flash flood disasters to permit action.

Diagnostic Tool for Flash Flood Alerts and Warnings

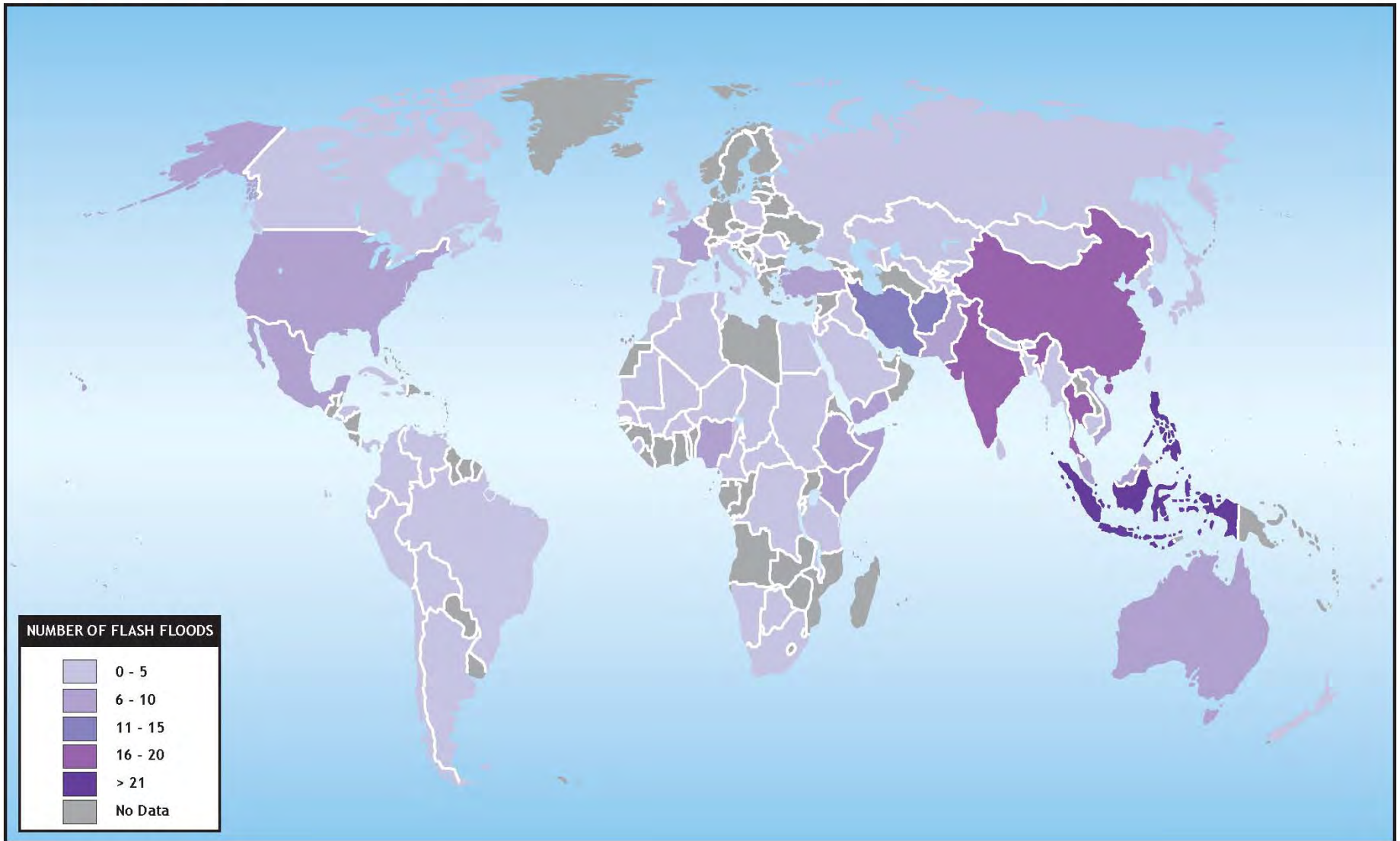


LMRB Delineated Basins  
(100-300 km<sup>2</sup>)



LMRB 1-Hour Flash Flood  
Guidance

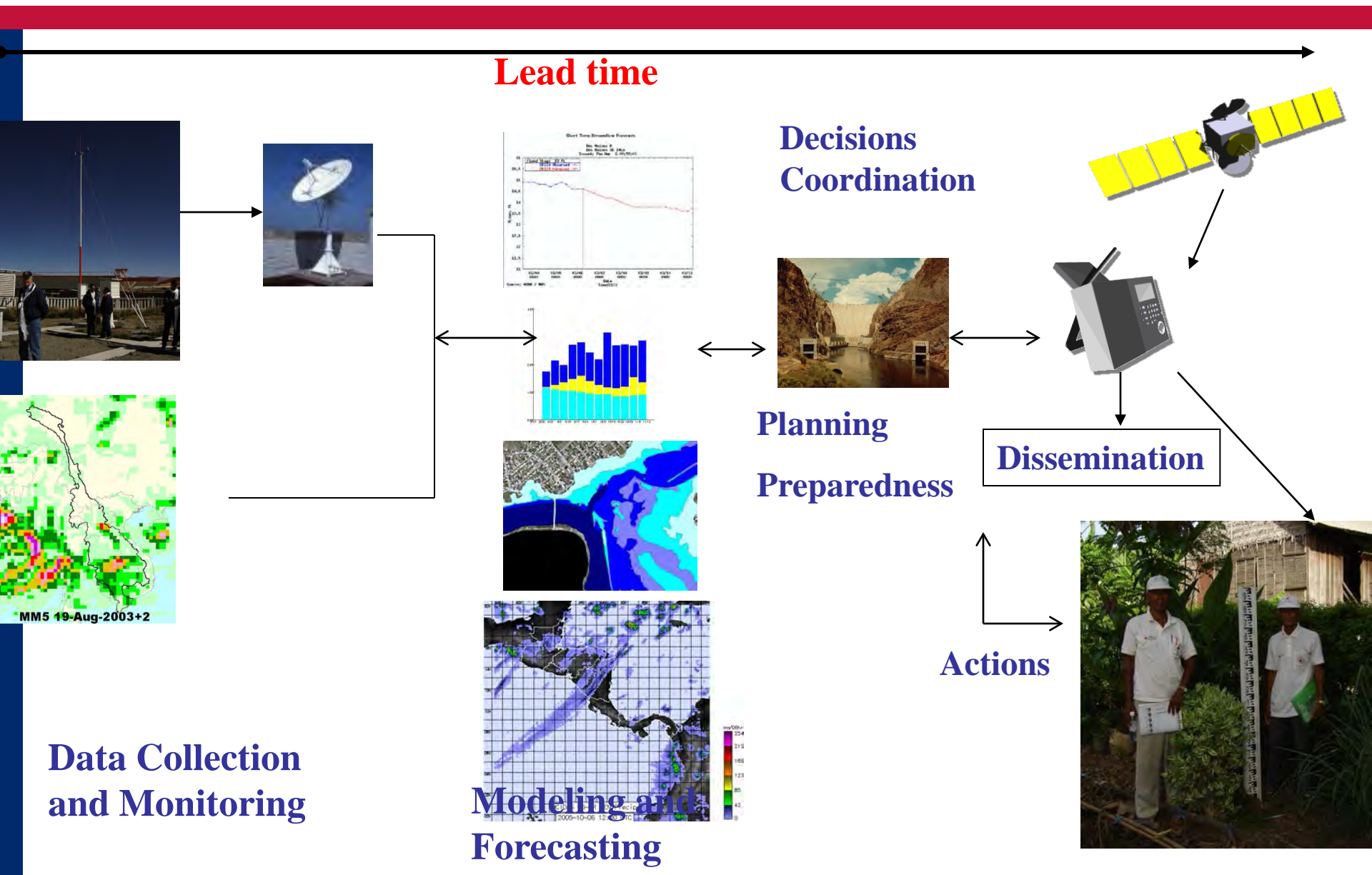
## SIGNIFICANT FLASH FLOODS RECORDED BETWEEN 1979 - 2009





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# End-to-end Approach







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## USAID/OFDA's role in GFFGS

- **Technical advice for the design, development and operations of the GFFG**
  - onsite and distance training programs,
  - operational concepts,
  - flash flood warning operations and protocols,
  - Linkages with disaster managers, and
  - communication and dissemination systems.
- **Technical assistance for the development and implementation of GFFG pilot programs.**



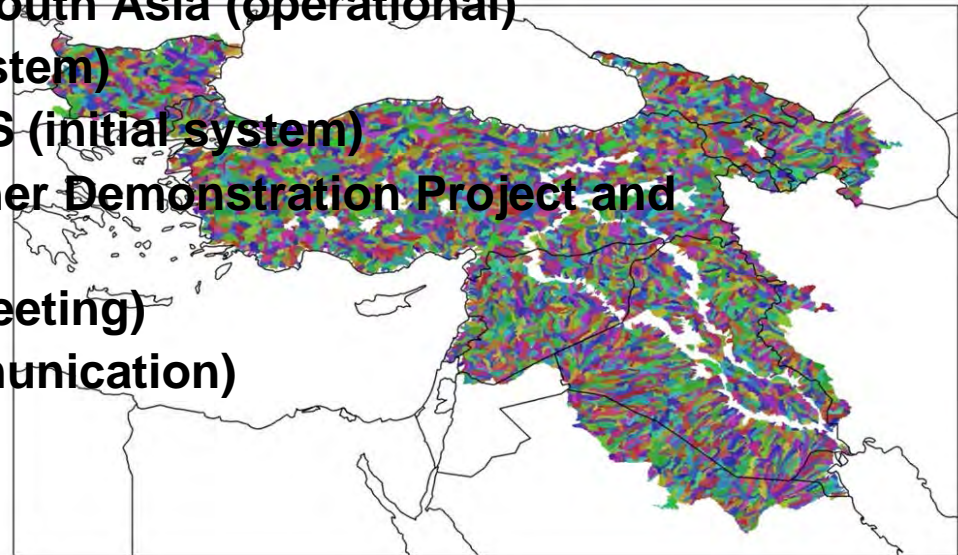




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# History of Building Flash Flood Guidance System (FFGS)

- 2003: Central America FFGS (operational)
- 2007: Mekong FFGS system (operational)
- 2008: Southern Africa FFGS (operational)
- 2009: WMO, USAID/OFDA, NOAA and HRC cooperation on establishing Global FFGS
- 2010: Black Sea/Middle East regions FFGS (operational)
- 2010: Haiti/DR FFGS (operational)
- 2011: Pakistan FFGS- Demo for South Asia (operational)
- 2012: South Asia FFGS (initial system)
- 2013: South Eastern Europe FFGS (initial system)
- 2014: Integration of Severe Weather Demonstration Project and FFGS
- 2015: Central Asia FFGS(initial meeting)
- 2015: Oceania FFGS (initial communication)
- 2015: Weather Ready Nations
- 2016: FFGS Global Meeting

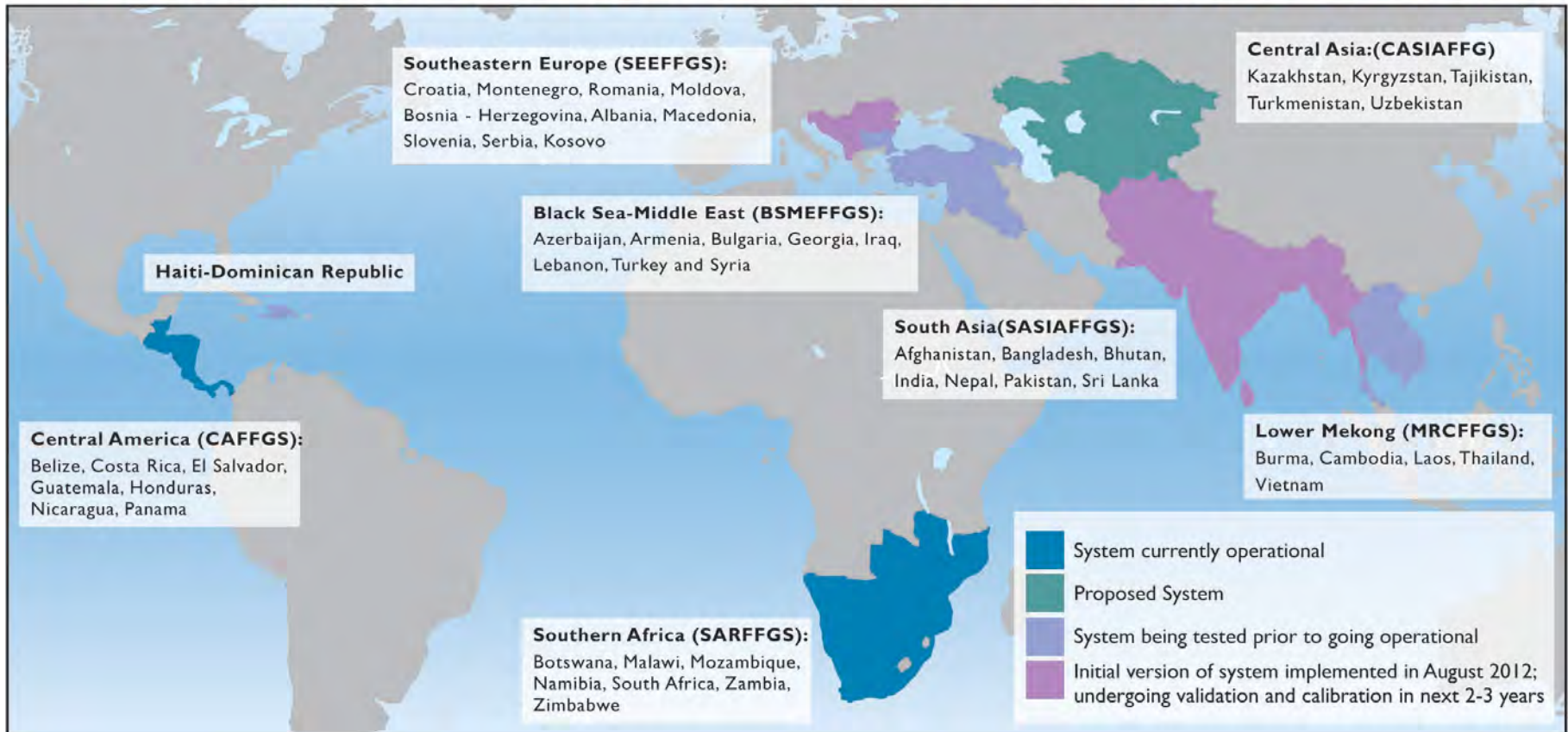




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# Current and Potential Members of FFGS

## OFDA-FUNDED GLOBAL FLASH FLOOD GUIDANCE SYSTEM

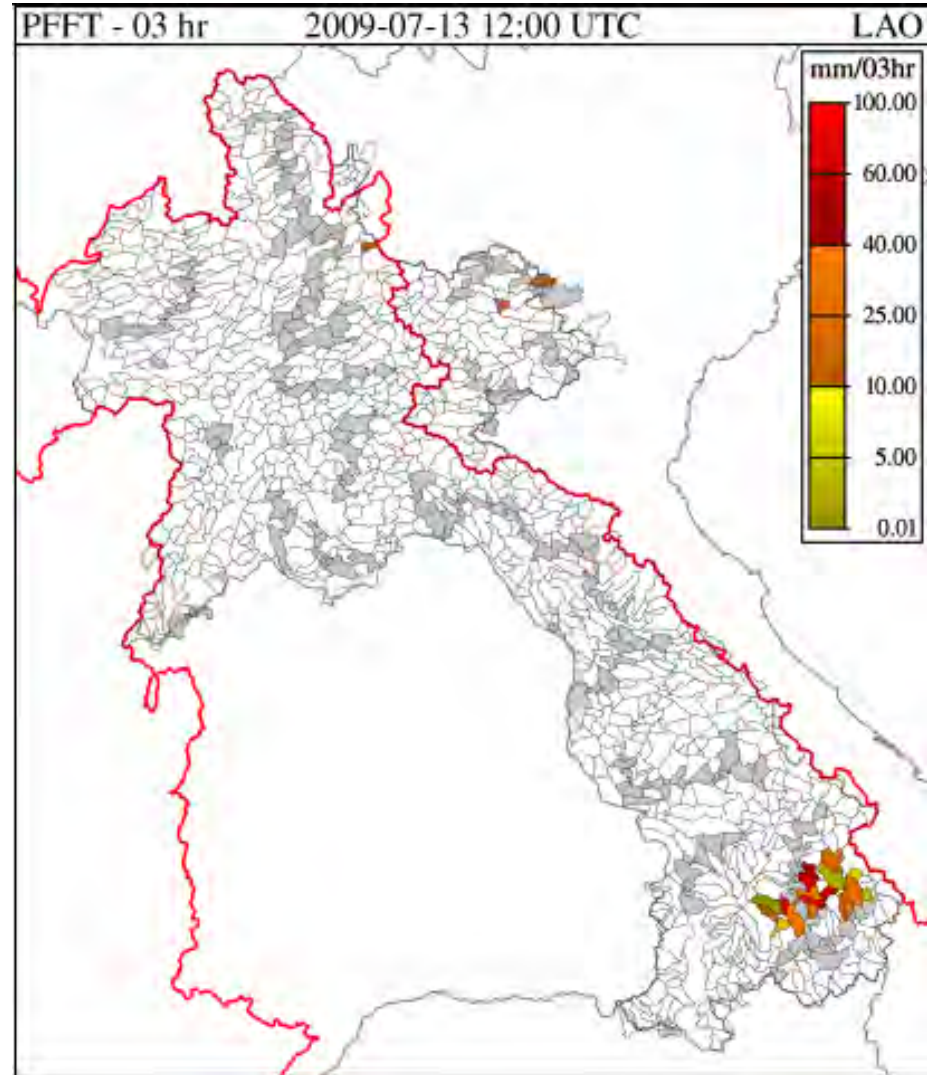
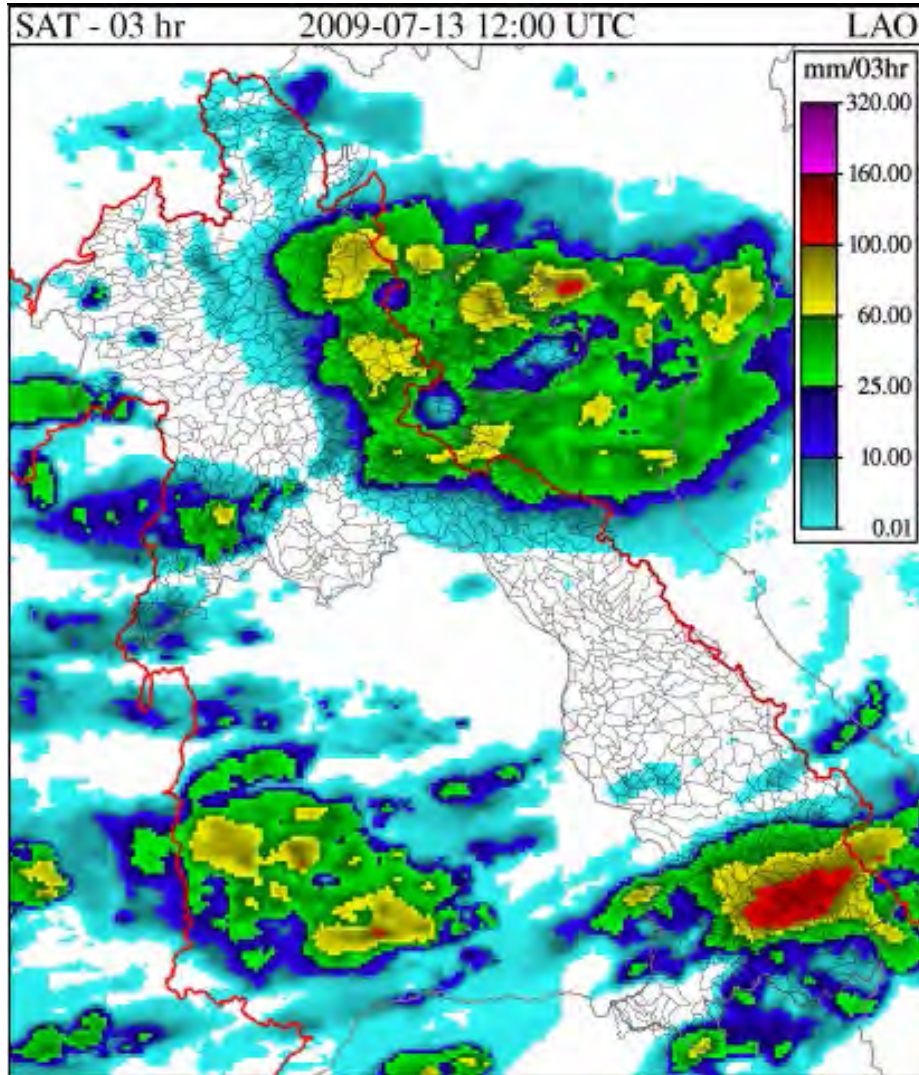






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# Lower Mekong FFG example product

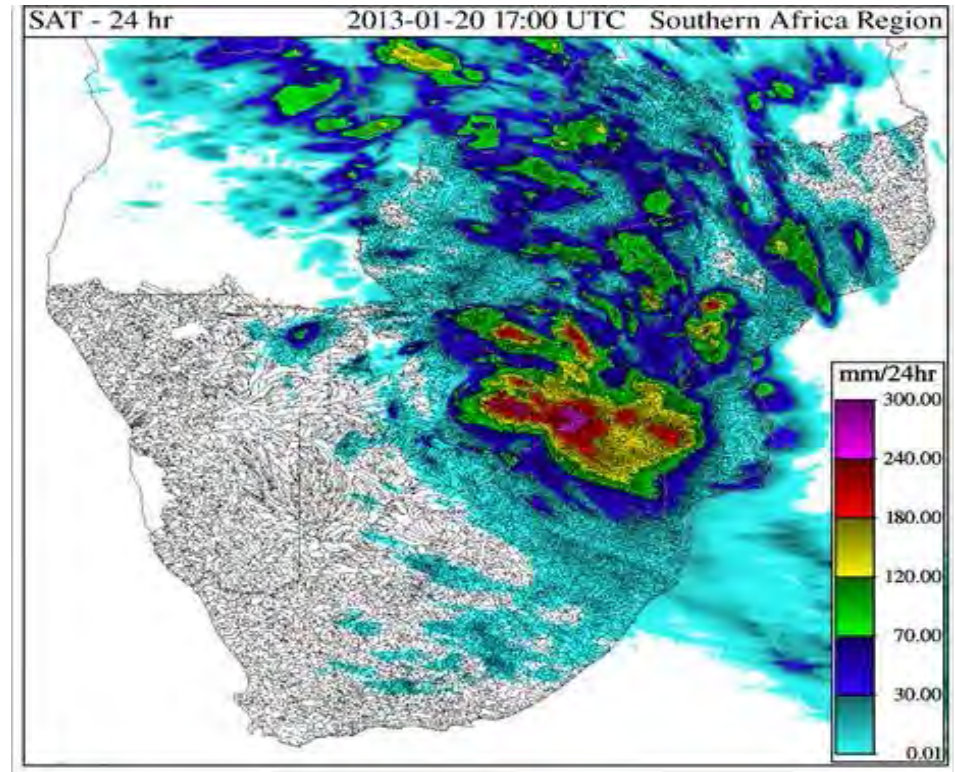






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# Southern Africa FFGS

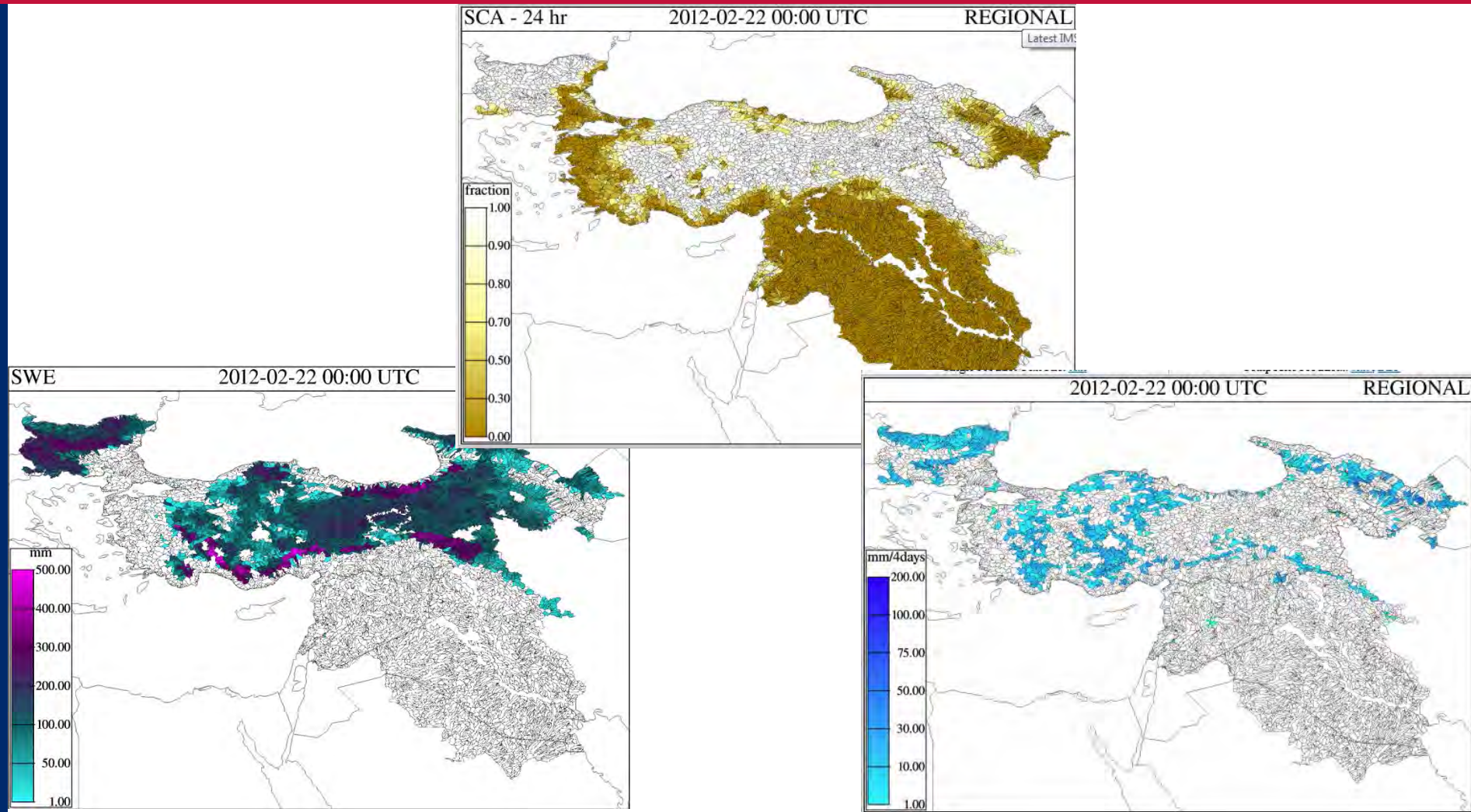






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# Additional Enhancement to Meet Regional Needs





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# USAID/OFDA contact information

[http://www.usaid.gov/our\\_work/humanitarian\\_assistance/disaster\\_assistance/](http://www.usaid.gov/our_work/humanitarian_assistance/disaster_assistance/)

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