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# The Office of U.S. Foreign Disaster Assistance

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Senior Hydrometeorological Hazard Advisor



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# Outline

- **Introduction to USAID/OFDA**
- **Why we implement disaster risk reduction activities**
- **Example: Flash Flood Guidance System**
- **Contact**





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# OFDA's Mandate



SAVE LIVES



ALLEVIATE SUFFERING



REDUCE THE SOCIAL AND ECONOMIC IMPACT OF DISASTERS



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# Disaster Response Criteria



The disaster is beyond the ability of the affected country to respond



The affected country requests, or will accept, U.S. Government assistance



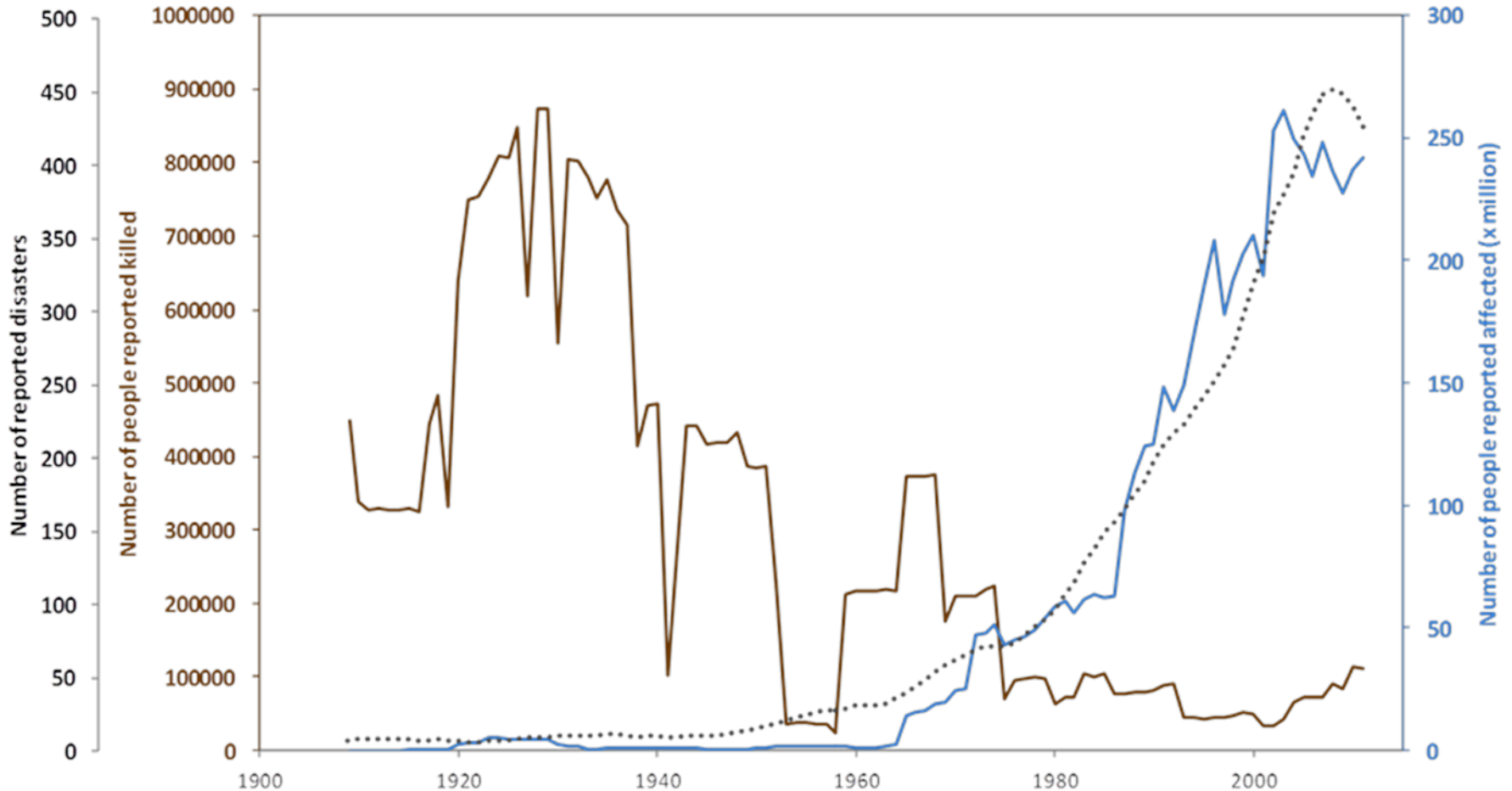
Responding is in the interest of the U.S. Government





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# Why do we implement DRR?

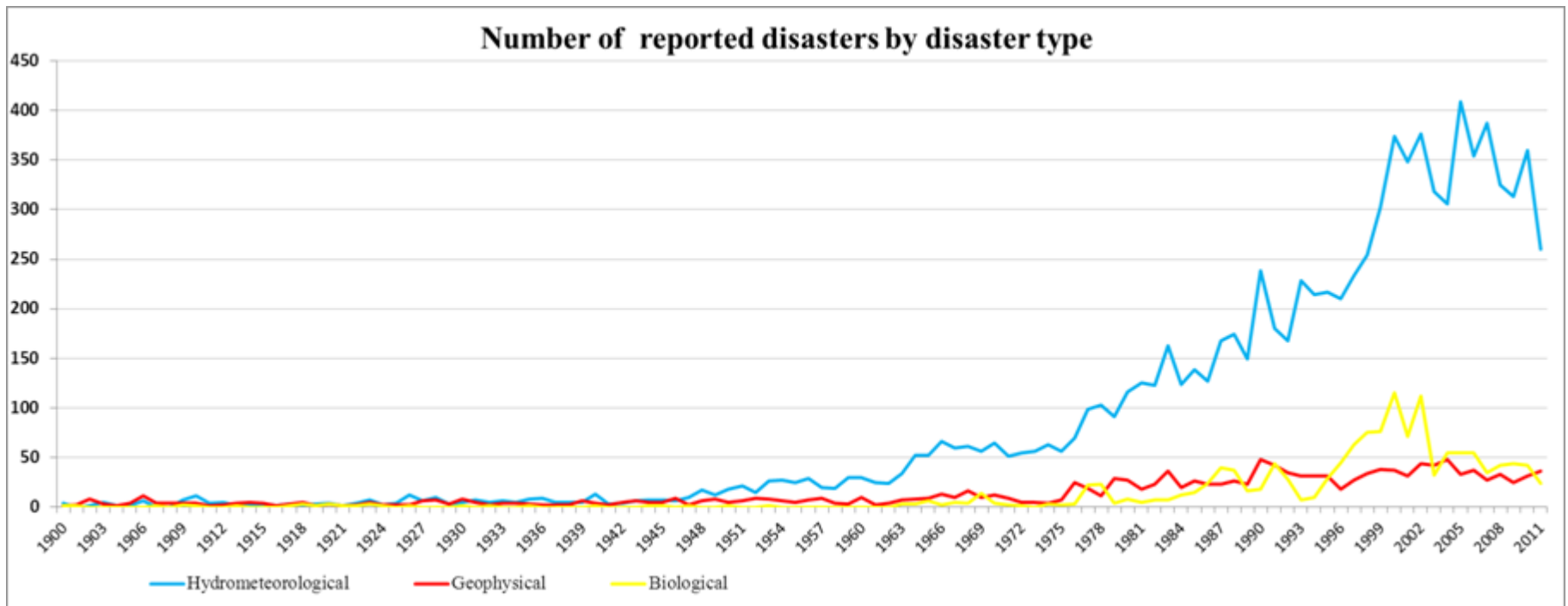


Source: OFDA/CRED



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# Type of Disasters

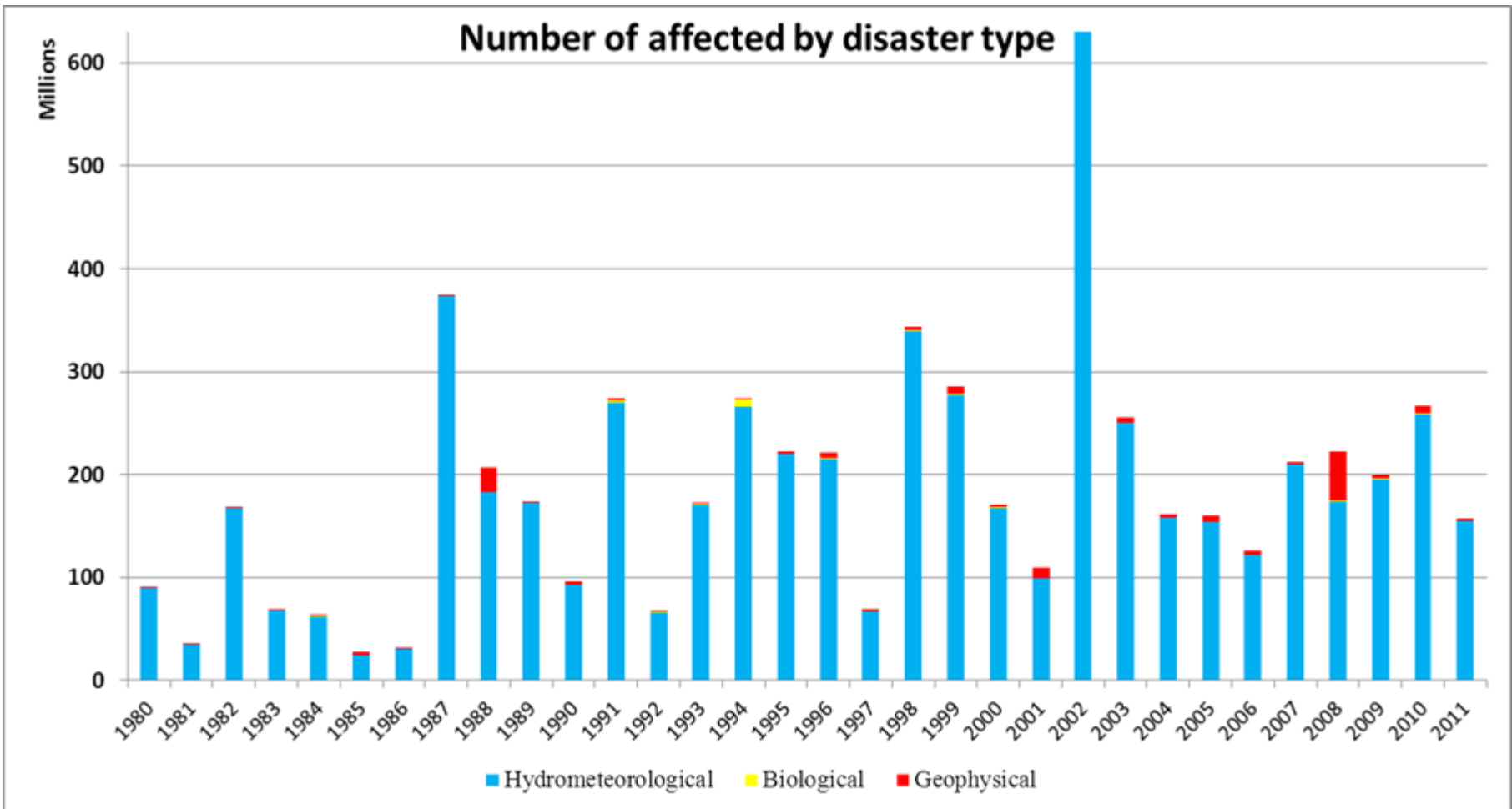


**Source: OFDA/CRED**



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# People Affected



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



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# Data/Products for Decision Makers

- **Timeliness**
- **Accuracy**
- **Specificity**
- **Relevancy**
- **Consistency**
- **History**
- **Format**
- **Access**







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**Application Example**

# **FLASH FLOOD GUIDANCE SYSTEM**



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# Addressing Flash Floods Globally

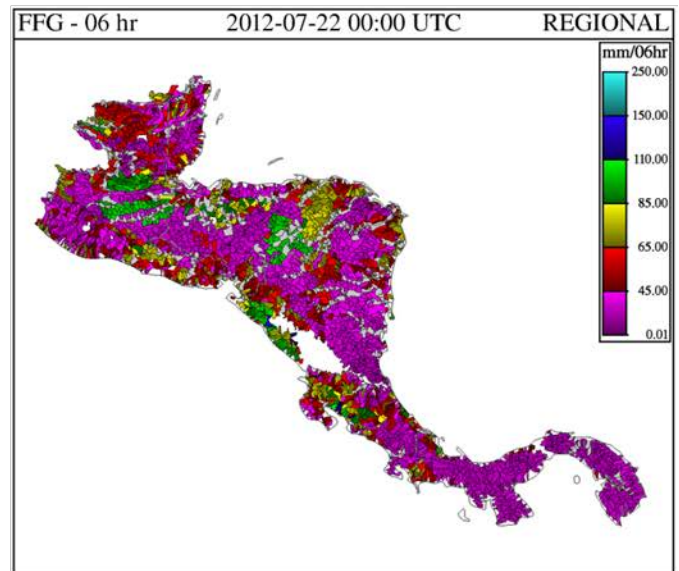
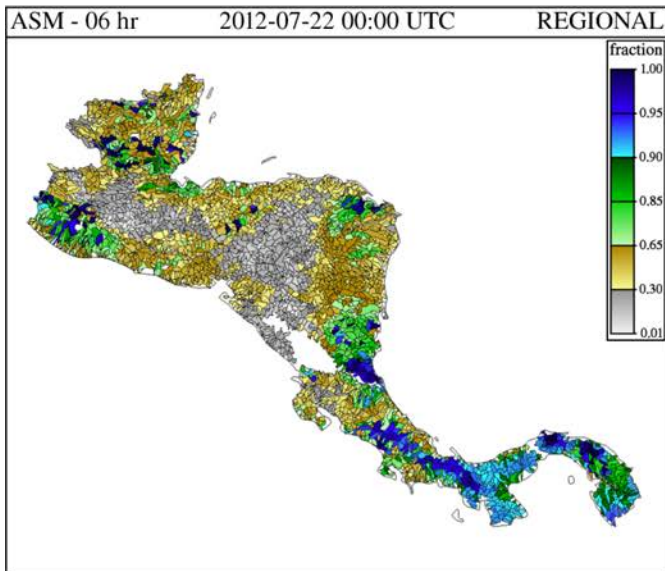
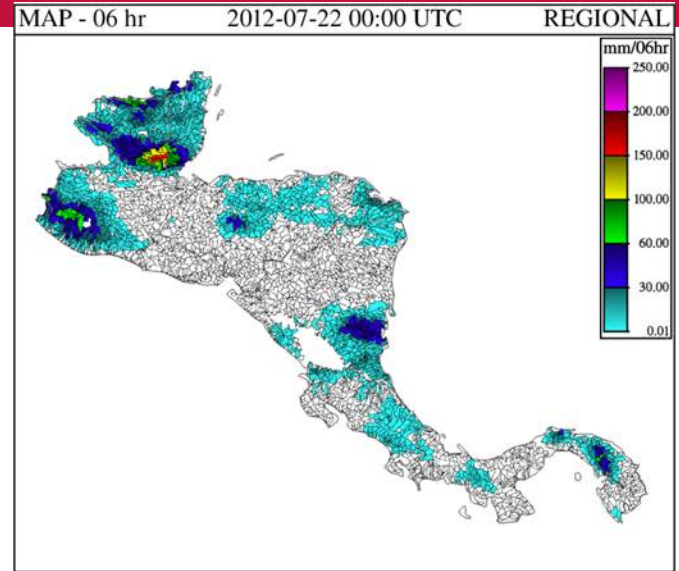
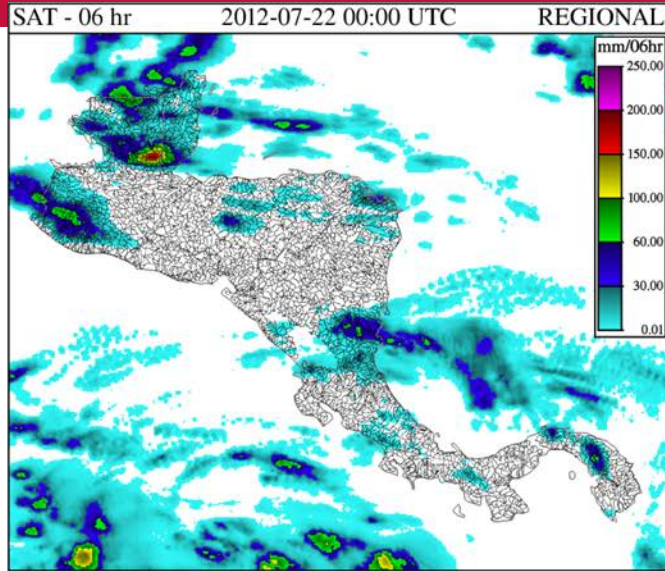
- **Among the top weather-related hazards with highest mortality rate globally**
- **No discernible trends for loss reduction**
- **No flash flood warnings for vast populated areas of the world**
- **Transboundary nature**
- **Lack of local capacity and of regional cooperation**
- **Limited in situ data in small regions**
- **Large-river flood-warning strategies ineffective for flash floods**





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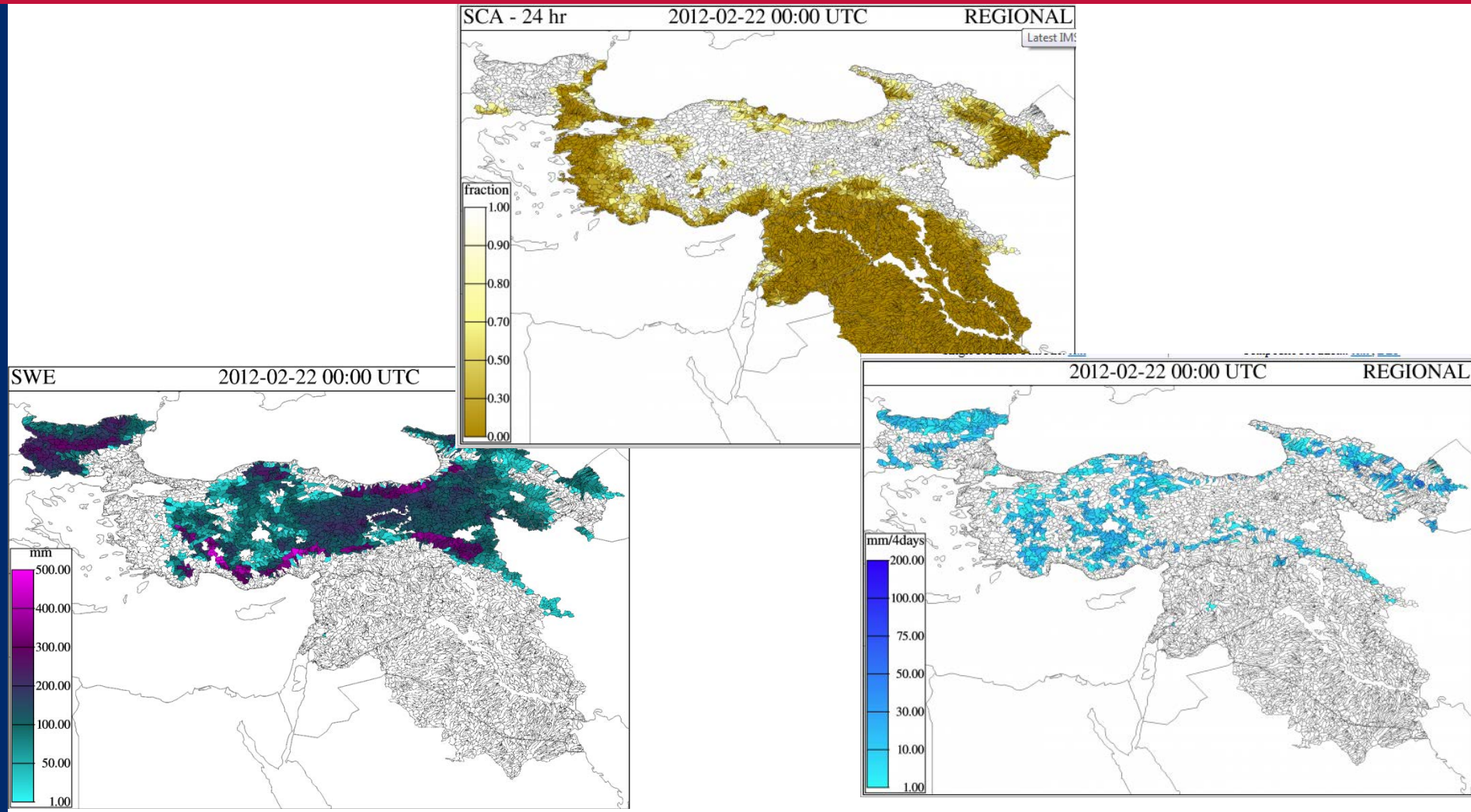
# Precipitation Estimates





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# Snow-Melt Prediction

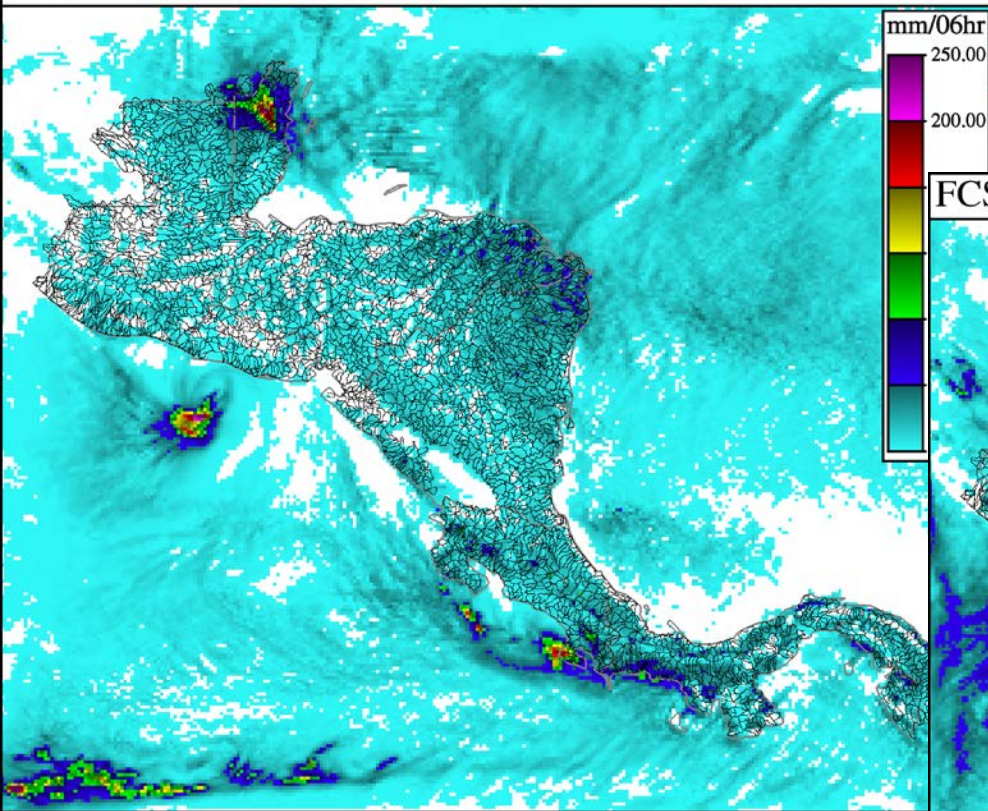




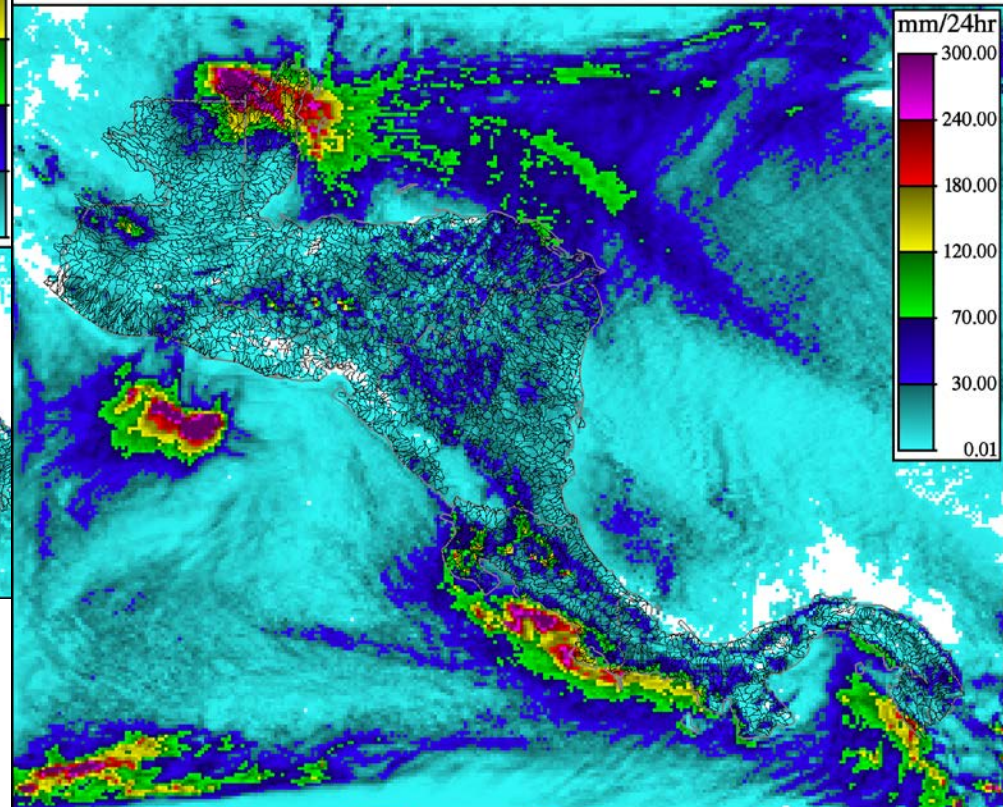
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# Precipitation Forecast

FCST - 06 hr      2013-09-16 14:00 UTC      REGIONAL



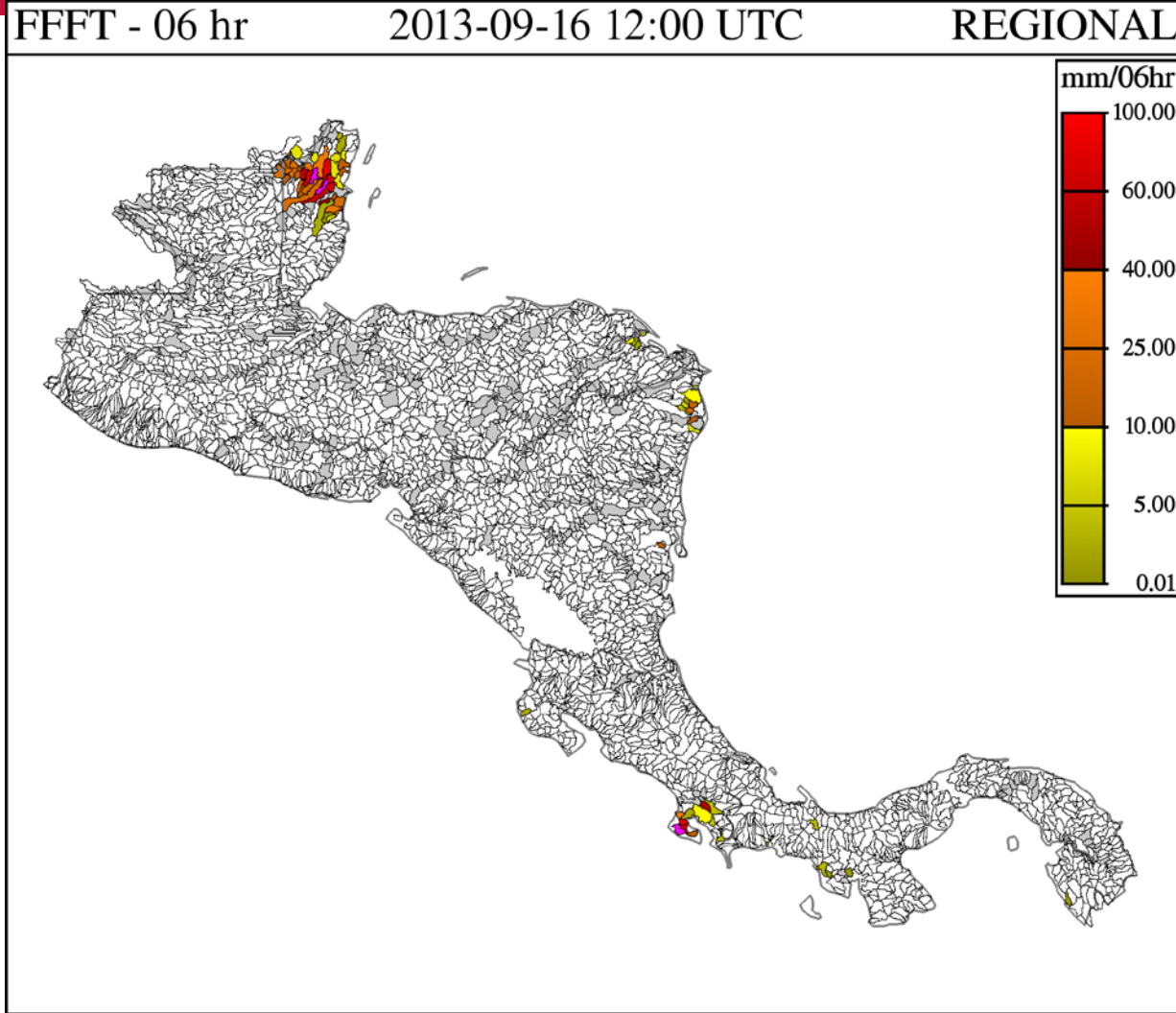
FCST - 24 hr      2013-09-16 14:00 UTC      REGIONAL





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# Flash Flood Threat

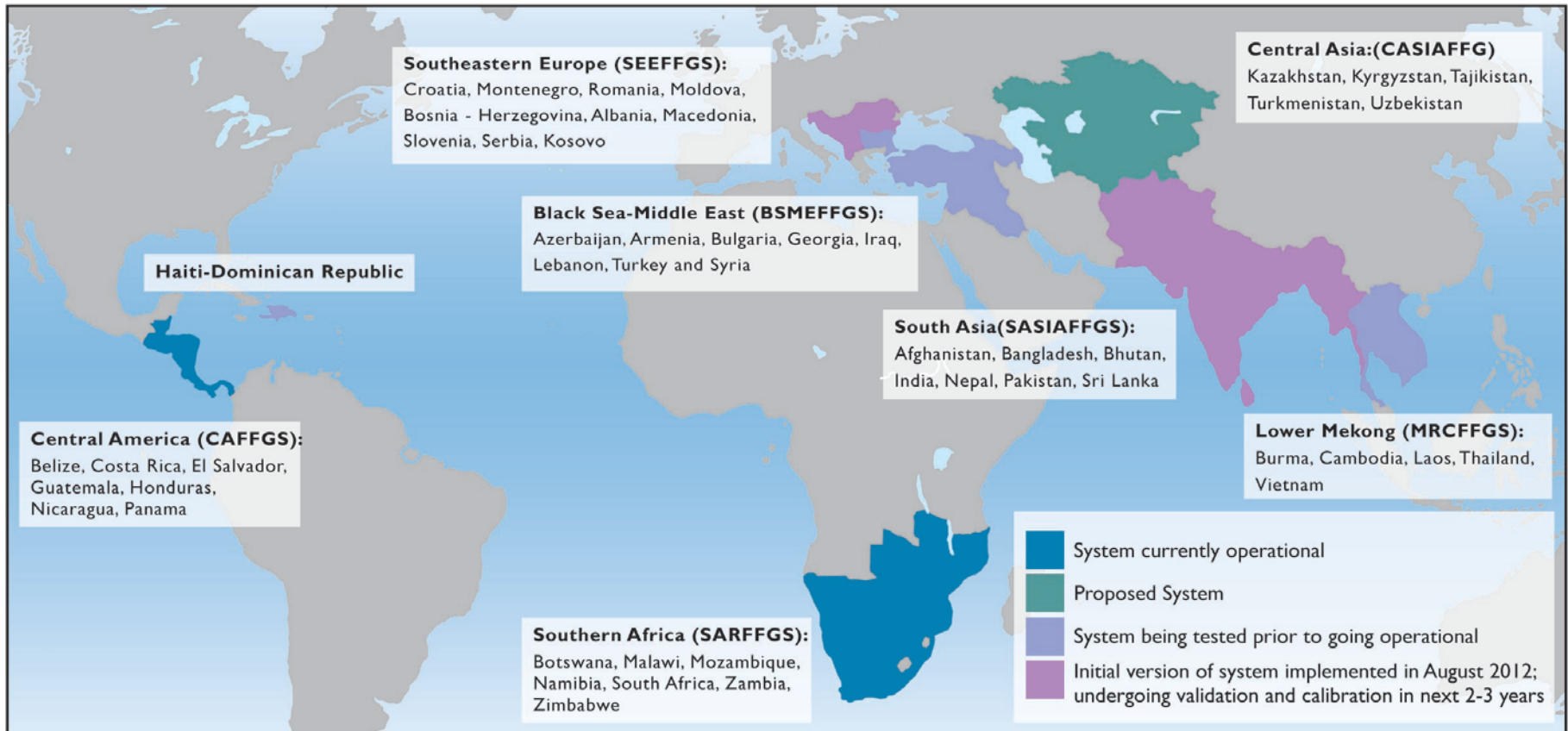




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# Current Members of FFGS

## OFDA-FUNDED GLOBAL FLASH FLOOD GUIDANCE SYSTEM





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# Contact and Information

- [stokar@usaid.gov](mailto:stokar@usaid.gov)
- <http://www.usaid.gov/>