



NASA Capacity Building Activities

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Earth Science Serving Society

NASA's Capacity Building Program

- **Objective/Scope:** Building **US** and **developing countries'** capacity, including

- human,
- scientific, technological,
- organizational, institutional, and resource

capabilities to enhance the ability to make decisions informed by earth science observations and models.

NASA's Capacity Building Program



SERVIR Coordination Office (MSFC)/USAID
Building international capacity with hubs in

- East & South Africa
- Hindu Kush - Himalaya
- Mesoamerica



With multi-national organizations, national ministries

Gulf of Mexico Initiative, GOMI (SSC)

Building Gulf region's capacity for local issues
With multi-state organization, state governments



Applied Remote Sensing Training, ARSET (GSFC)

On-line and hands on basic/advanced training
With working professionals



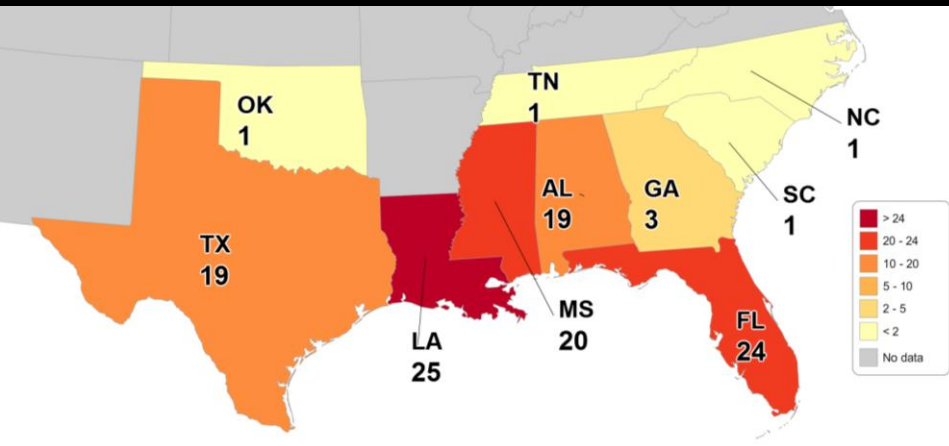
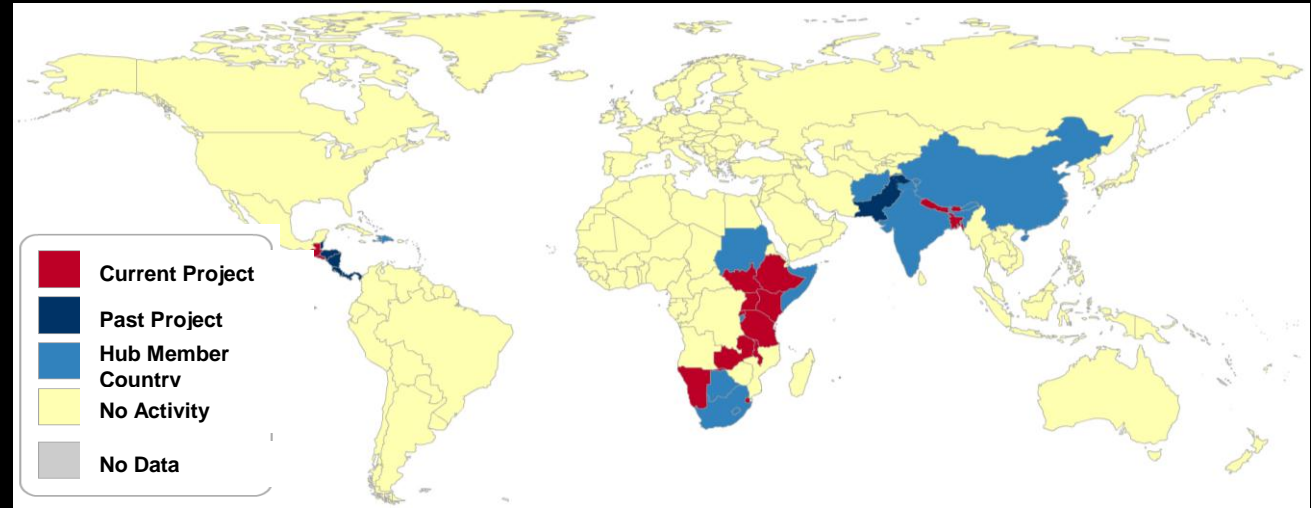
DEVELOP (LaRC national office)

Dual workforce/local government capacity building using collaborative projects
With interns and local/state governments

Accumulated geographic-focused experience

SERVIR

- Initiated 2004
- 7 yrs Mesoamerica
- 4 yrs East Africa
- 2 yrs HKH
- 3 regional hubs serve >40 countries



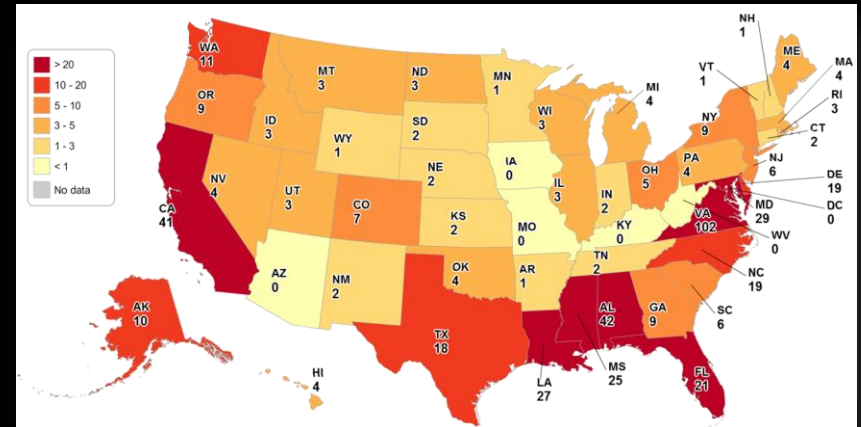
GOMI

- Initiated 2007
- 5 coastal states
- 4 other states nearby
- 40 applied science projects

Accumulated workforce / working professional-focused experience

DEVELOP

- Initiated 1998
- 12 locations around US
- Projects impacting 46 states
- Interns from 43 states
- Over 1100 interns
- End users from local to international



ARSET

- Initiated 2008
- Over 25 Air Quality trainings to over 500 end-users
- 8 Water trainings to over 100 end-users
- Trainings impacting 15 states

Summary

- Potential synergies geographically and/or in societal benefit areas
- Consideration of end users may identify other synergies
- Strengthening capacity collaboratively enables win-win

Thank you!

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NASA Applied Sciences Program
Appliedsciences.nasa.gov

Earth Science Data Access
Earthdata.nasa.gov