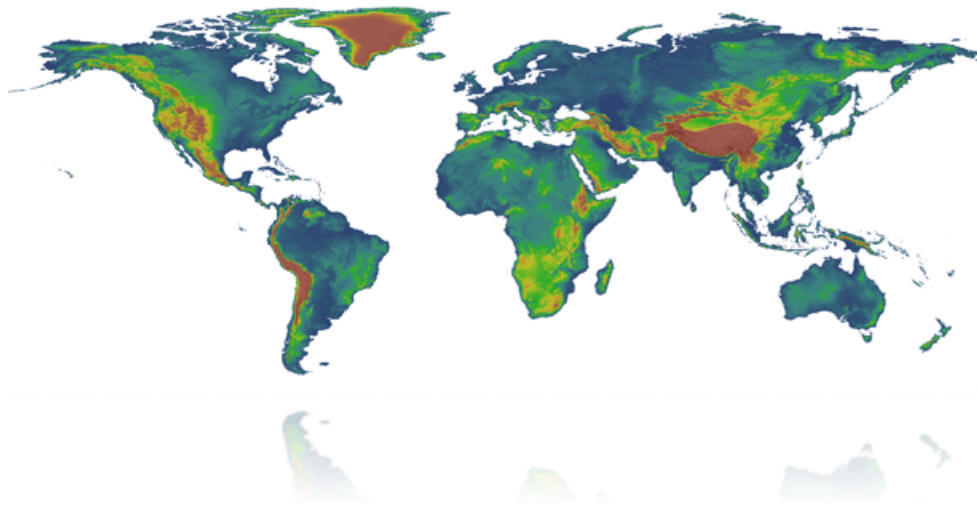




# Digital Elevation Models Workshops

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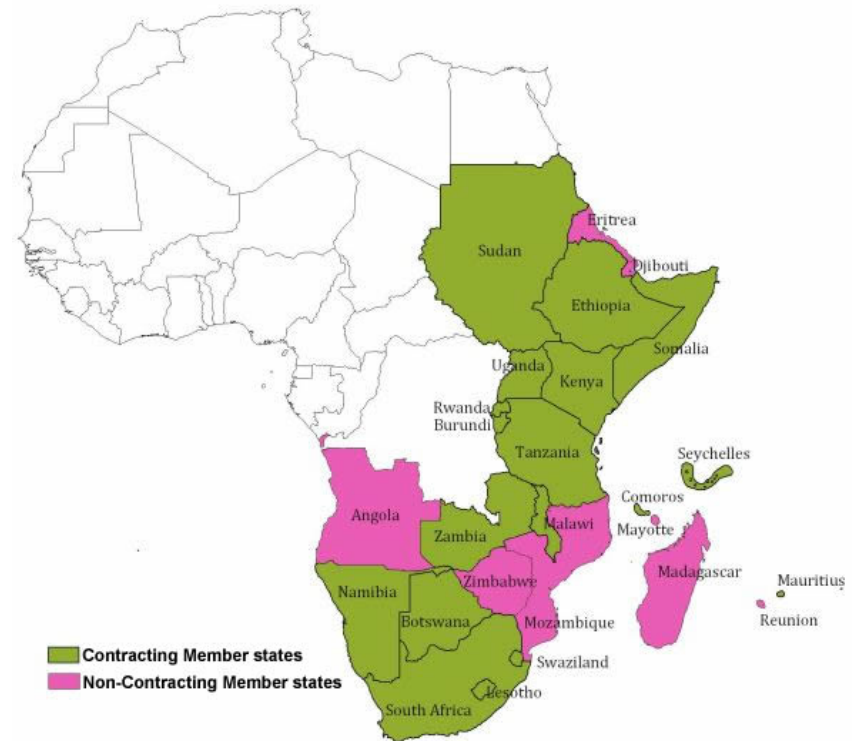
- Objective
- Process
- Tiered List
- Workshops
- Follow-up



- Fulfilling a number of the pillars of Data Democracy, the DEMs project will seek to:
  - Make high resolution DEM data available to developing countries
  - Incorporate high resolution DEM data sources into existing processes and projects. Increase the ability of participants in activity to utilize higher resolution DEMs.
  - Provide participants with the tools needed to be trainers in their respective countries
  - Secondary Objectives – Increase collaboration of regional institutions with space agencies in the region.



- Secure the release of SRTM 2, X-SAR, and other DEM Data for WG designated priority areas
- Partner with regional institutions to build capacity in the use of high resolution DEM data and to increase accuracy and coverage of products produced from DEM datasets
- USGS(SRTM), DLR(X-SAR), RCMRD(ASTER GDEM 2) process and distribute the data
- Hold workshops in regions around the world (Funding for workshops is being creatively sought)
- Follow up through the regional institutions



# SRTM 2 DEM Release

This is the current area that we are focusing on for the first workshop in May 2013



AFRICA		Organization													
Tier 1.1	RCMRD	Ethiopia	Eritrea	Djibouti	Uganda	Kenya									
Tier 1.2	RCMRD	Rwanda	Burundi	Tanzania	Malawi	Mozambique									
Tier 1.3	RCMRD	Madagascar	Zambia	Comoros	Mayotte	Reunion									
Tier 2	SADC	Democratic Republic of the Congo	Botswana	Lesotho	Namibia	South Africa	Swaziland	Angola	Zimbabwe						
ASIA															
Tier 1	ICIMOD	Afghanistan	Bangladesh	Bhutan	India	Myanmar	Nepal	Pakistan							
Tier 2	CSSTEAP	Kyrgystan	Indonesia	Uzbekistan	Philippines	Mongolia	Thailand	Sri Lanka							
Tier 3	APRSF	Cambodia	Laos	Vietnam											
Tier 4	Regional Centre for Space Science and Technology Education for Western Asia	Yemen	Iraq	Jordan											
	(Looking for appropriate institution)	Timor-Leste	Tajikistan	Maldives	Turkmenistan										
LAC															
	CATHALAC	participation open to any interested entity													
Tier 1	CRECTEALC	Haiti	Guatemala	Nicaragua	Honduras	Guyana	Bolivia	Paraguay	El Salvador	Suriname	Dominican Republic				
AFRICA															
Tier 3	AGRHYMET	Chad	Burkina Faso	Cape Verde	Guinea-Biaasu	Mali	Mauritania	Niger	Senegal	The Gambia					
Tier 4	CRASTE-LF	Algeria	Central African Republic	Cameroon	Mauritania	Togo	Congo	Gabon	Morocco						
Tier 5	ARCSSTE-E	Cameroon	Egypt	Ghana	Liberia	Sierra Leone	Nigeria								
Tier 6	(Looking for appropriate institution)	Guinea	Benin	Sao Tome and Principe	Equatorial Guinea										
Oceania															
Tier 1	(Looking for appropriate institution)	Papua New Guinea	Vanuatu	Kiribati	Micronesia	Fiji	Samoa								
Bolded countries are World Bank GFDRR Priority Countries															



- Length – 5 Days
- Partners – RCMRD, NASA/SERVIR, USGS, INPE, SANSA, SWF, GEO, DLR, NOAA
- Participants – Ministries of Water
- Outline:

Day 1\* – Opening and Overview of Modeling (RCMRD), Processing and Creation of DEMs (SANSA)

Day 2 – Terrahidro Modeling (INPE)

Day 3 – GIS (SPRING) and TerraMA2 Modeling (INPE)

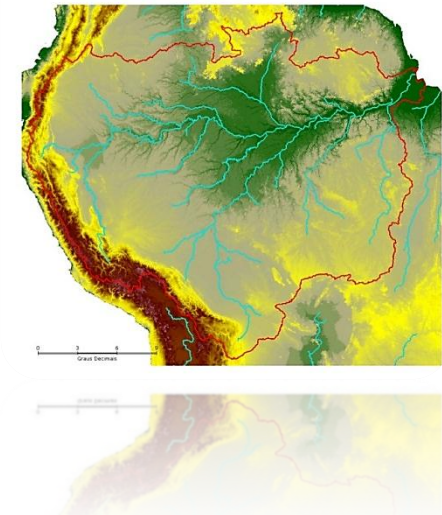
Day 4 – Overview of Hydromodeling and Black Box Tool (RCMRD/SERVIR)

Day 5 – ArcGIS Training (RCMRD/SERVIR)

- \* USGS is also going to do present on their GeoSUR tool. This will most likely occur earlier in the week, but we are still working on exactly where it will best fit.

TerraHydro – Example Basin and Drainage (SRTM)

**Red:** Basin delimitation  
**Blue:** drainage of main Rivers, extracted from accumulation area





- External – RCMRD and other Regional Institutions will have the responsibility to follow-up with the individual countries to ensure that they are maximizing what they have learned in the workshops
- Internal – Secure World Foundation has offered to fund a meeting in Washington, DC that would provide a forum for assessing the effectiveness of the workshop and establish how this type of activity can be better executed in the future



- Questions?