

Summary of discussions in Flood
WG of AWCI
(as of December 2, 2007)

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Common understanding to start the
discussion of AWCI Flood WG (1/2)

- The discussion is not focused on funding proposals but is for identifying the required common items for capacity building to realize the demonstration projects.
- “Demonstration Project” is a pilot project to make a successful showcase to upgrade conventional flood & water-resource management making the best use of GEOSS data products coupled with in-situ data. This is not a pure science. We should consider the sustainability of the achievements of the demonstration project as well.

Common understanding to start the discussion of AWCI Flood WG (2/2)

- It will not be possible to adopt a common model for the demonstration projects, because we don't have any conclusive achievements to identify the best one for any operational system in each country to be implemented in near future. We can share the achievements of demonstration projects through our existing agreements on common data format, data policy, etc.
- It is important to enhance international cooperation for demonstration projects under the GEOSS-AWCI framework.

Items to be discussed

- To identify what kind of items of capacity building are common to implement the demonstration project.
- To identify the priority among the above items.

Requirements for capacity building

Database for national data archiving and sharing
Rainfall downscaling and forecast with numerical models, radar & satellite
Inundation modeling
Flood forecasting
Flash flood forecasting
Risk assessment based on loss estimation
Satellite data for post-disaster assessment
DEM creation with satellite data
Land classification for risk assessment

Result on voting for priority (15 votes)

Item No.	score weight	4.5	4	3.5	3	2.5	2	1.5	1	1	Total score	Priority order
order	order	1	2	3	4	5	6	7	8	9		
1	Database for national data archiving and sharing	4	1	2	1						32	3
2	Rainfall downscaling and forecast with numerical models, radar & satellite	6	4	1	1	1					52	1
3	inundation modeling		1	1	1	1	2			2	18	6
4	flood forecasting	1	3	2	2	2	2				38.5	2
5	flash flood		3	1	2	2	1			1	29	4
6	risk assessment based on loss estimation	2			1	1		2	2		19.5	5
7	satellite data for post-disaster assessment	1		1			1	1	2	1	14	9
8	DEM creation with satellite data		1	2		1		2	1		17.5	7
9	Land classification for risk assessment			2	1		1	1	1	2	15.5	8

Supplementary comments

- In the GEO meeting at Capetown, JAXA and NASA just announced new high-quality DEM products for the entire world with 30m grid, based on TERRA-ASTER data.
- DEM data are important as well for many other items such as database, flood forecasting, flood hazard mapping, etc.

Next actions

- To formulate sub-groups and then to identify more detailed contents (curriculums) and possible resource countries/organizations for each items of capacity building, through discussions in the sub-groups