

***GEOSS Symposium on Integrated Observation for Sustainable Development
in the Asia-Pacific Region***

(GEOSS AP Symposium)

At Dai-ichi Hotel Tokyo Seafort in Tokyo, Japan

On January 11-12, 2007

proposal of demonstration projects of Vietnam

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content

1. Present status
2. Needs of capacity building
3. Proposal of demonstration projects



1 – Present status

- Improving the observational network and forecasting with modernization process but lack of stations and very few automatic stations.
- Limitation of the implementation and interpretation of RS data.
- Improving the telecommunication system
- Improving the operational forecasting methods but the prediction of extreme events, quantitative prediction with a satisfactory of leading time is challenging.
- Lack of professional staff
- Public knowledge, awareness and right self – protection action is not good enable.
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2. Needs of capacity building

1. Develop an effective automatic and manned observation network.
2. Develop a high speed and stable communication system.
3. Technical transfer and implementation of the appropriate forecasting models and methods.
4. Transform the satellite data into useful and easily operable information for effective use by various operating levels.
5. Training of GIS and mapping
6. Training at all level
7. Training and higher education for young scientists.
8. Public education and awareness



3. Proposal of demonstration projects

1. Flood forecasting: Huong river basin
2. Water quality: Huong river basin
3. Drought forecasting: South – Central Region of Vietnam



Hydro - Meteorological station network in Huong Rives basin

N.	HydroMeteorological station	observed Parameters	obser. method		I quipment
			Water level	Rainfall	
1	Thuong Nhat (78 H, 81 Q)	H, Q, R	Automatic	Manual	Automatic
2	Kim Long (1976)	H,R	Automatic	Manual	Automatic
3	Binh Thanh (99)	H,R	Manual	Manual	Manual
4	Ta Luong (84)	R		Manual	
5	Nam § ong (73 to now)	Meteo.		Automatic	Manual
6	Binh § ien (78- 85; 2000)	H	Automatic		Automatic
7	Phu Oc (1976- 93)	H,R	Automatic	Manual	Automatic
8	Co Bi (79 -85)	H	Manual	Automatic	Manual
9	Hue	Meteo.			
10	A Luoi	Meteo.		Automatic	Manual



Bà c? Lưu Th?
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Thị Trang lúc 13h56



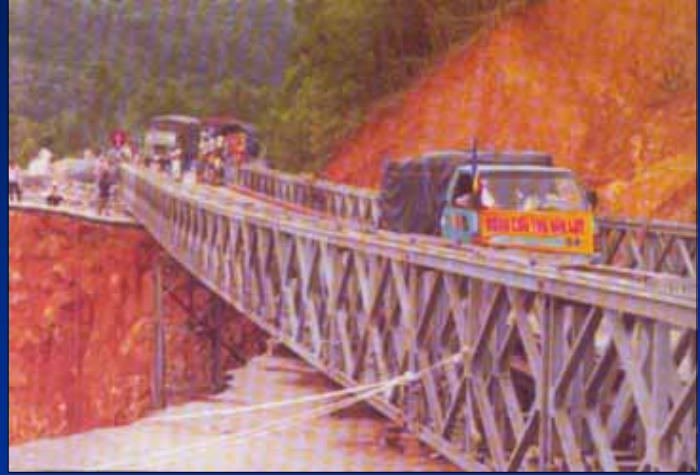


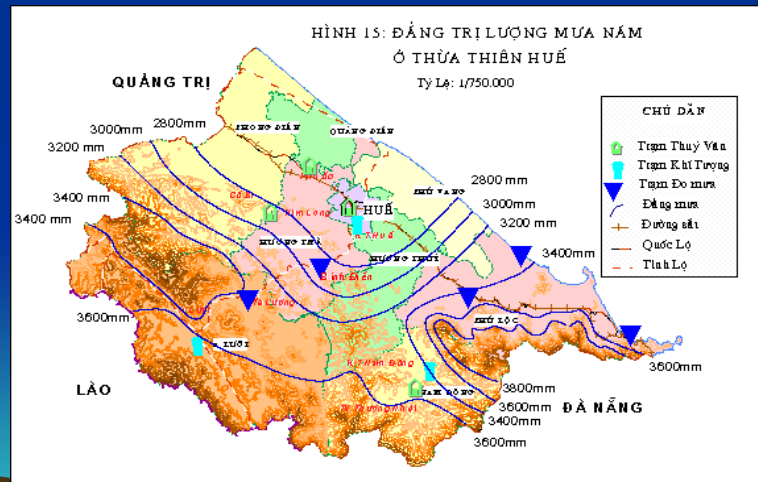
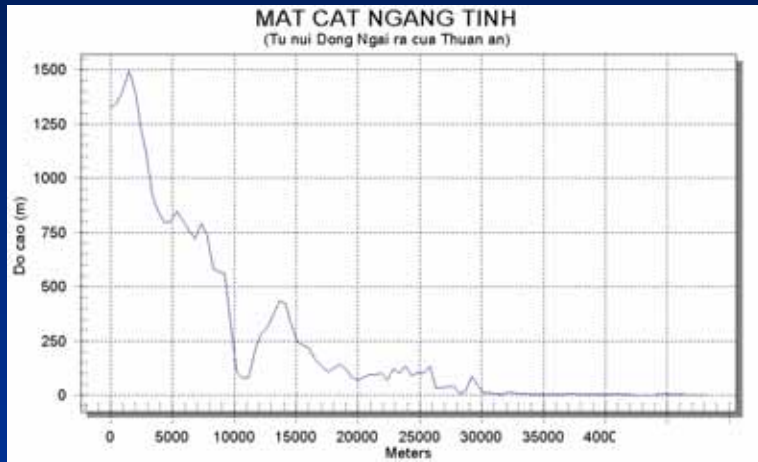
Theo Reuters, ga co 42 ngu?i thi?t m?ng

Sa...
tru...

Flash floods and landslide in Thua thien – Hue province

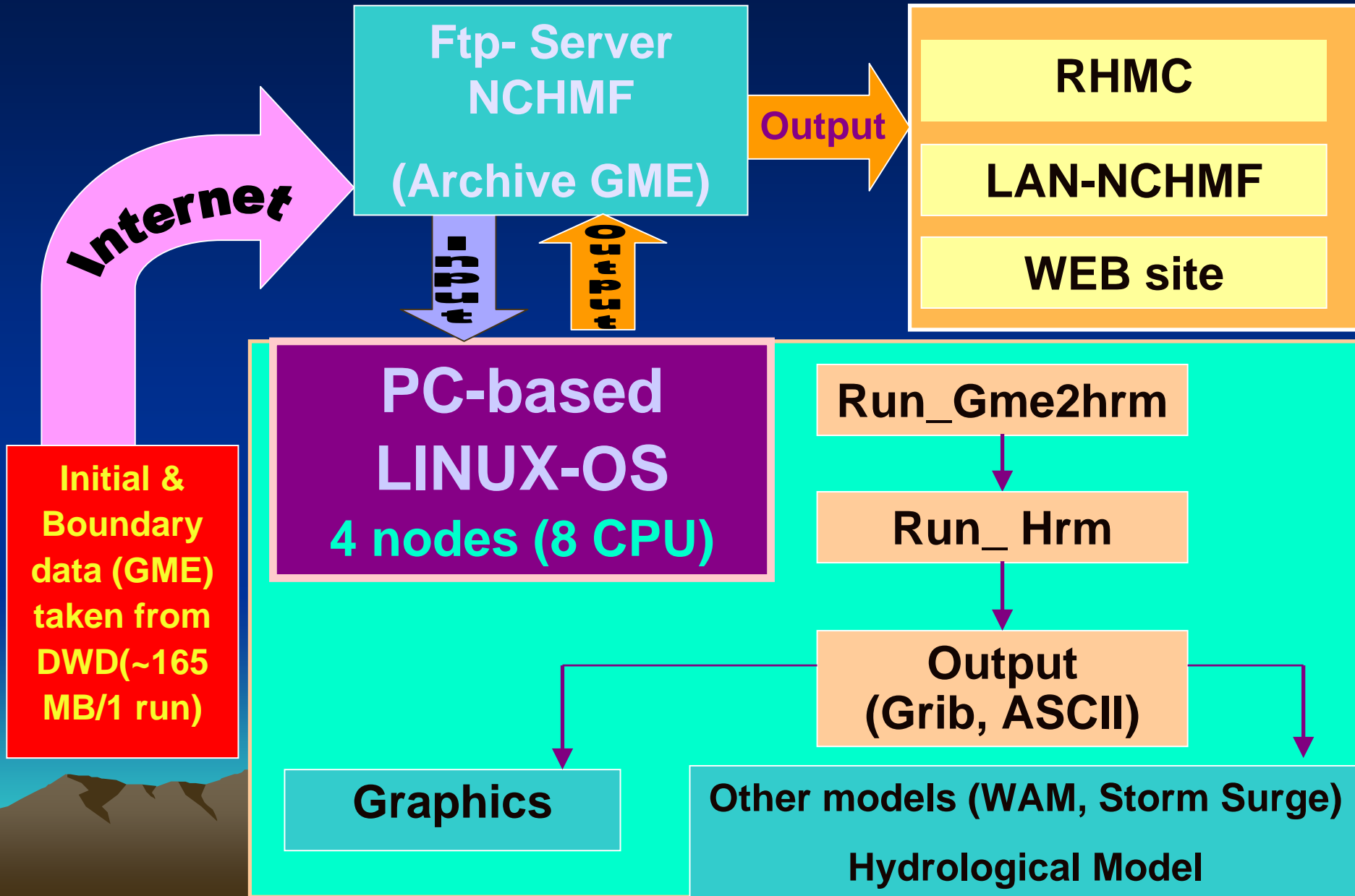






- Cross – section of the Huong river basin
- Map of annual precipitation over Huong river basin and station network
- Source of living water and irrigation water

FLOW CHART OF THE OPERATIONAL GME-HRM MODEL at NCHMF



Issue of Demonstration Projects

- Improve the monitoring system
- An operational real-time warning system for Huong river basin
- Improve the prediction of extreme events: mitigate the disaster damages.
- Policy issues and effective implementation
- National and International understanding and effective collaboration



*Best wishes for a Happy and
Prosperous New Year 2007*



Huong river 2006



***Thank you very much
for your attention!***

