

GAME-T Data Management Report

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อากาตะ ยาสึชิ
(น้ำพุ) ญี่ปุ่น

Significance of Data Management

- Collecting and Sharing data is crucial for hydromet research
- Information on all dataset should be located in the same place
- DB with 'User-friendly' interface helps researchers

Then, where is GAME-T Dataset?

- Published by using WWW technology.
- In Japan (Univ. of Tokyo):
<http://hydro.iis.u-tokyo.ac.jp/GAME-T/>
- In Thailand (NRCT): **NEW!**
<http://game-t.nrct.go.th/GAME-T/>
- They are always 'mirrored'

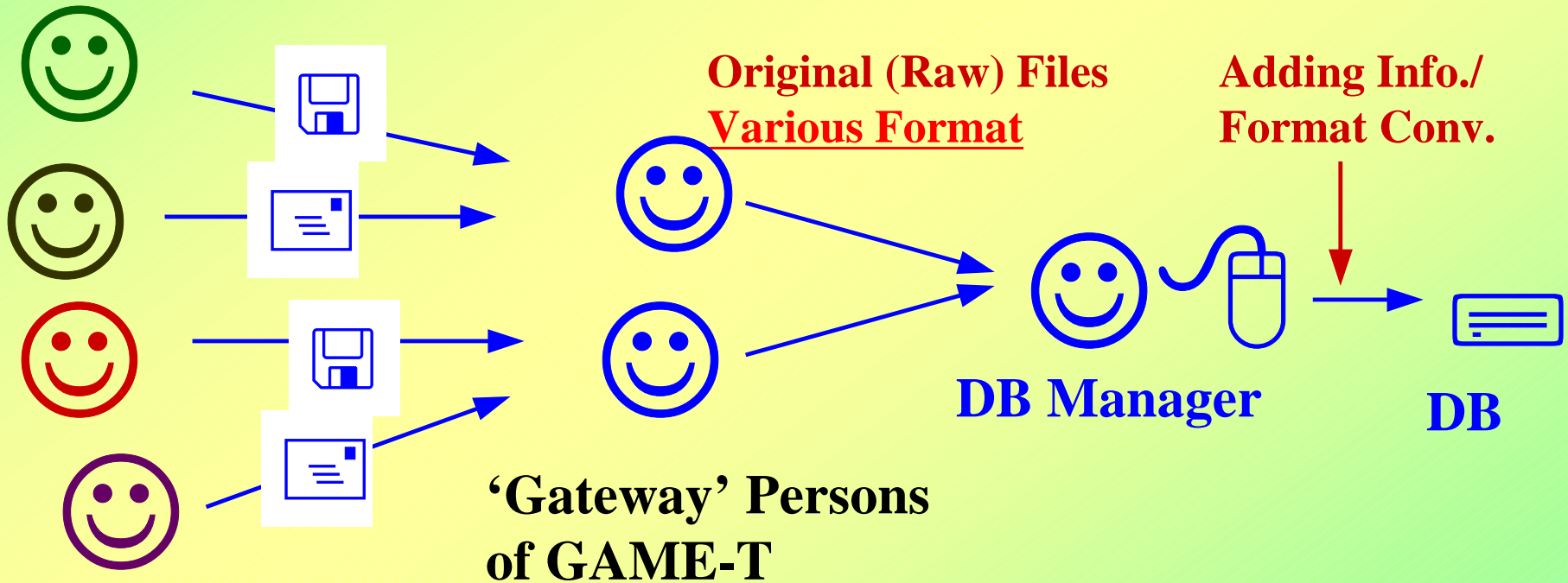
GAME-T Dataset Contents

- **Routine Observations**
 - Weather / River discharge etc.
 - By various countries in SE Asia
- **Field Observations**
 - Flux / Radiation / Rainfall etc.
- **Upper Air Observations**
 - Sonde / Lidar / Wind Profiler / GPS etc.
- **Quicklook images and maps**
- **Documents**

How Datasets are being collected?

[1] Routine Obs.

- '3 tier' system

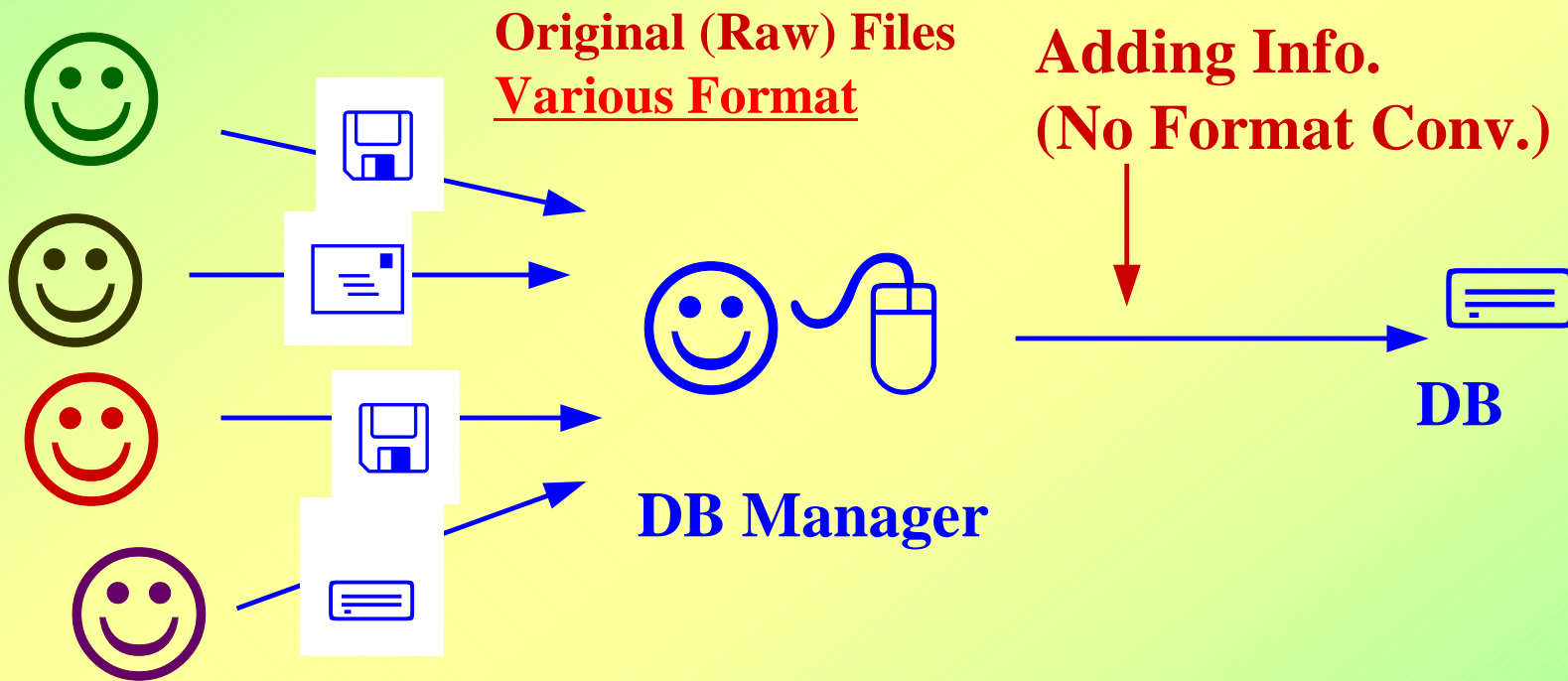


**Governmental
Agencies on Weather/River
Observation**

How Datasets are being collected?

[2] Intensive (GAME-T) Obs.

- Researchers send files to DB manager



Each Researcher

GAME-T Dataset



DataCenter Top Page



[GAME-T](#) >> DataCenter (Current Position)

Navigation

Choose Link!

- [GAME-T TOP](#)
- [Documents](#)
- [DATA](#)
 - [Field](#)
 - [Sonde](#)
 - [Routine](#)
 - [R/S](#)
 - [Satellite Data](#)
- [Related Links](#)
- [Maps](#)
- [Obs. List](#)
- [Contact Persons](#)
- [Original Data Files](#) (GAME-T

Data Contents

[Field Observations](#)

Flux observations at paddy field and forest, Experimental Basin Observation and Soil Moisture Measurement

[Sonde Observations](#)

Rawinsonde enhanced observation etc.

[Routine \(Station\) Observations](#)

Routine Obs. Data (Rainfall, Air Temp., Wind Velocity, River Discharge etc.) by local authorities, including both routine and radar observation.

2002 Aug. 8-9 RID daily river discharge 1980-1994

[Remote Sensing](#)

Remote sensing activities other than satellite observation.

2002 Jun. 10-11 : GPS Observation datacenter opened

What's New

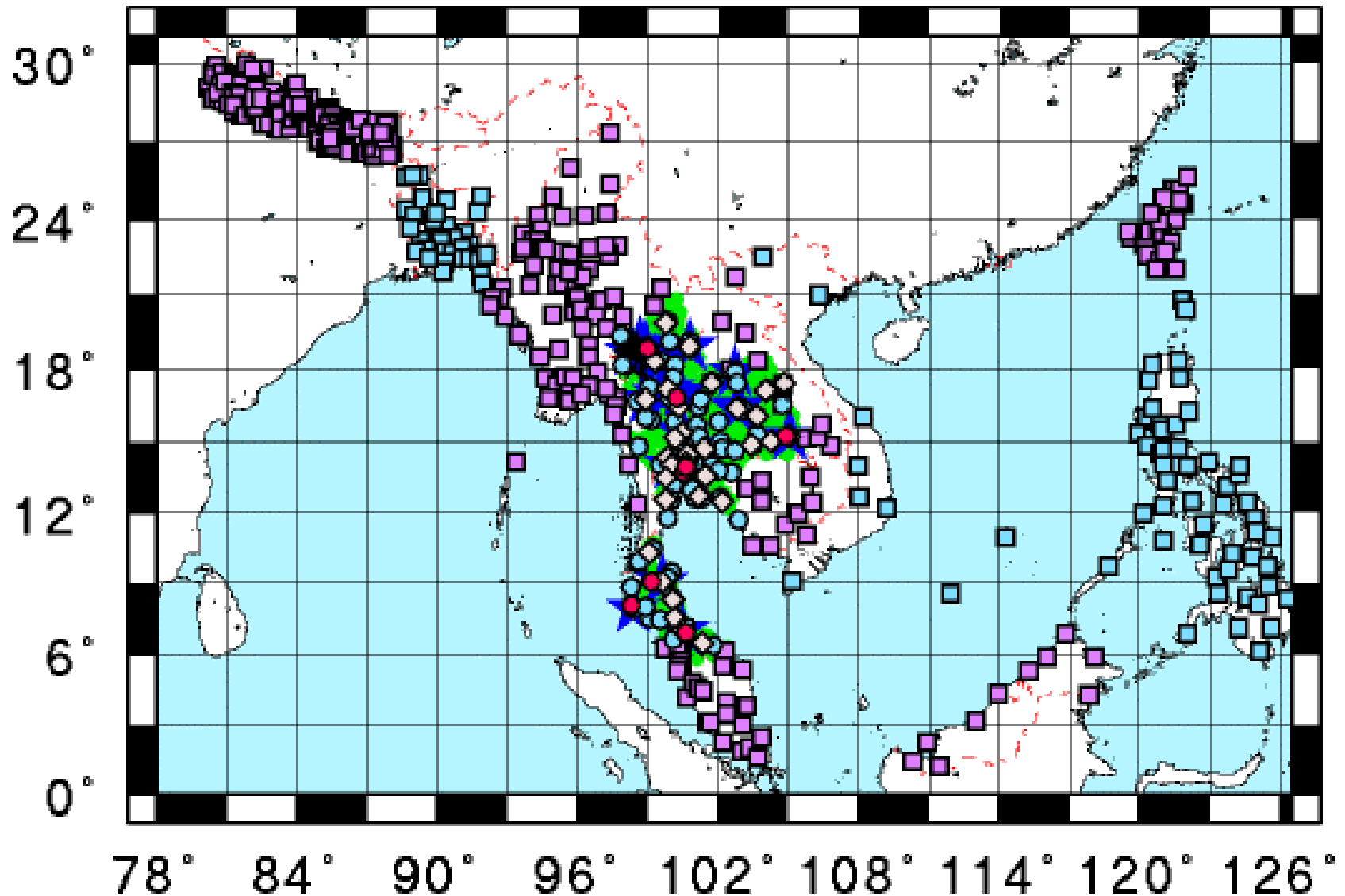
Oct. 8, 2002
New Item :
[Original data files](#) provided by each organization and/or researchers.
Opened only for GAME-T members.

Oct. 7, 2002
Errata
Correction :
The zipped archive of daily discharge file

Characteristics

- **Richness in not only intensive measurements by researchers but also routine (operational) observation by official agencies from various countries**

Routine Obs. Stations



Original (Raw) Files

- **Media**

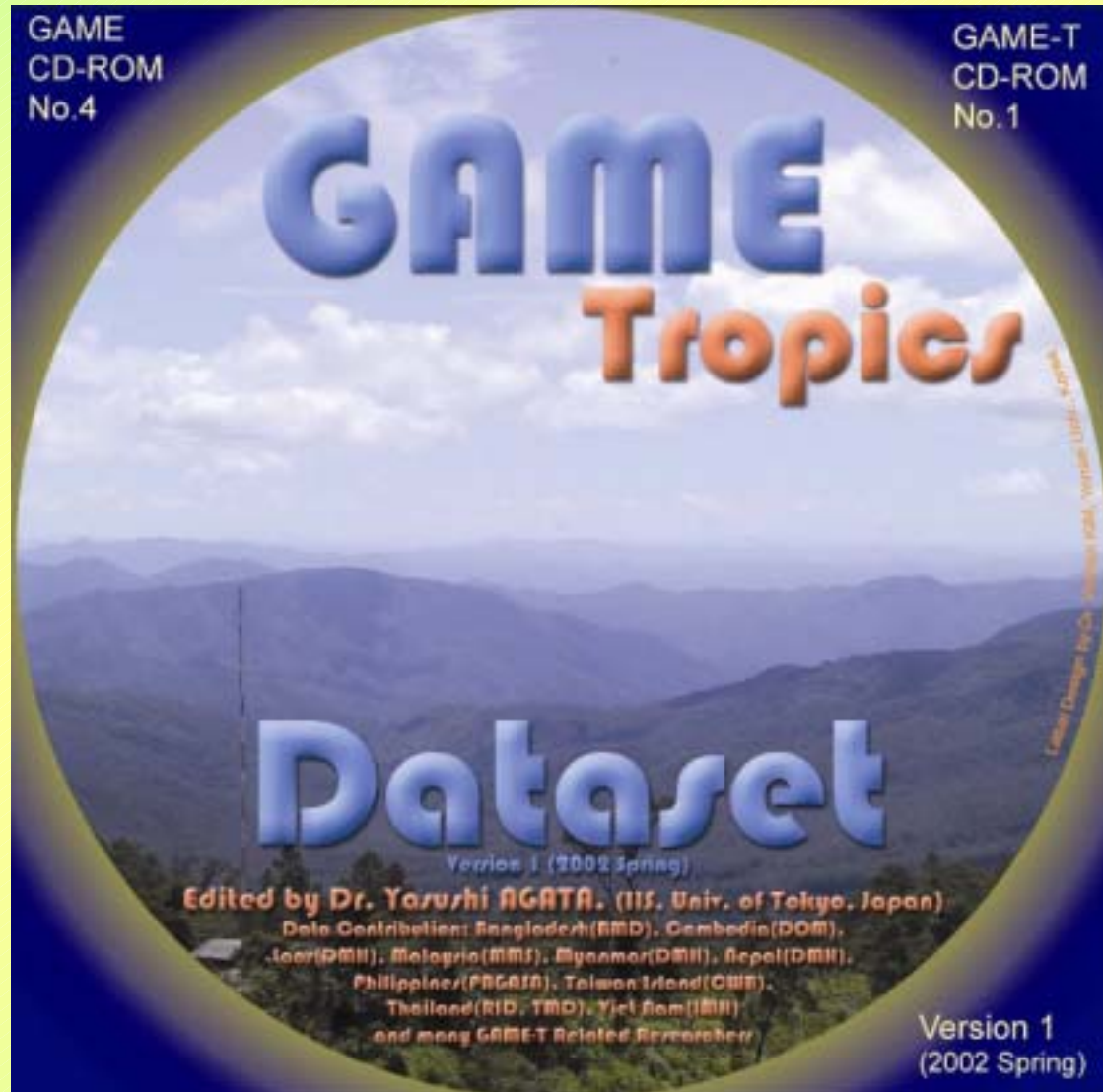
- More than 100 FD, CD-R, ZIP, MO, DVD-R, DLT...
- On-line publication
- E-mail attached

• **GAME-T**
Member can
view contents
of each disk
(Password
Needed)



Recent Achievement [1]

- CD-ROM published
 - Complete ‘Snapshot’ of GAME-T database at June 2002.
 - Contains more than 8000 files (620MB)
 - Please take one!



Recent Achievement [2]

- New DB Server was installed in NRCT, Thailand
 - Maintained by NRCT's staff
 - Contents are the same as that of Univ. of Tokyo's Server (rsync)



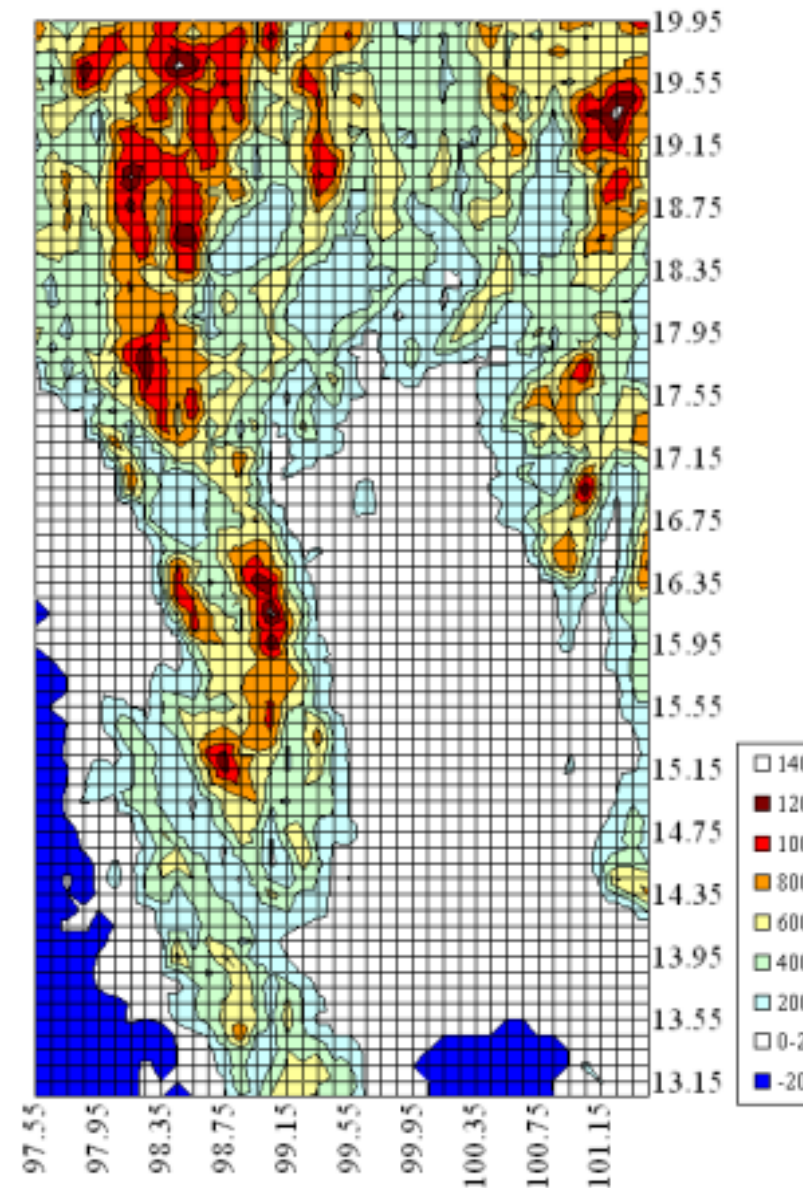
<http://game-t.nrct.go.th/GAME-T/>

New Contents (after CD-ROM)

- **ORIGINAL DATA FILES :**
GAME-T members can now view their contents originally provided by researchers and/or agencies
 - Total size is now more than 4GB

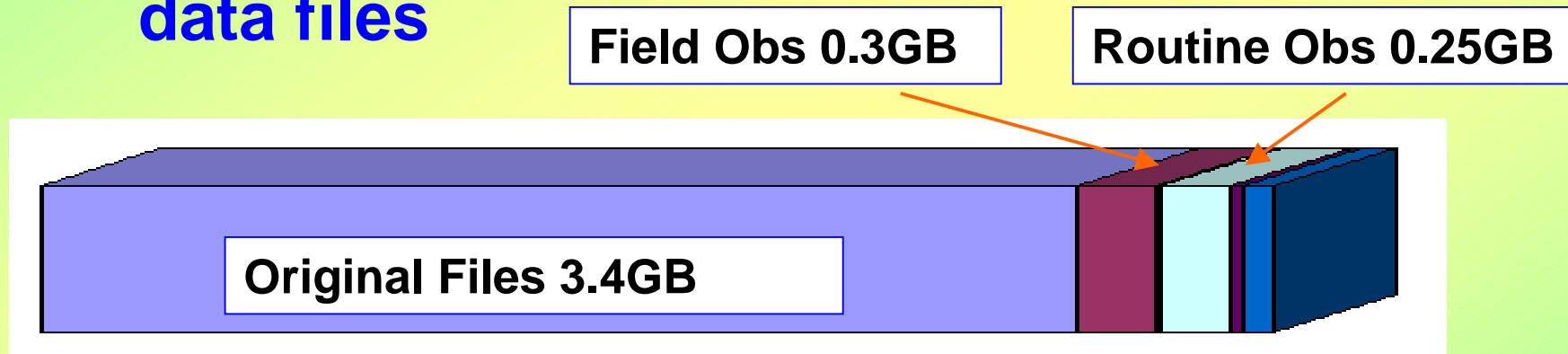
- **0.1 deg DEM of ChaoPhraya River**
 - Also 0.1deg river direction data is now being prepared
 - For 0.1deg LSM study (tomorrow's presentation)

0.1deg DEM of ChaoPhraya River, Thailand



Size of Files

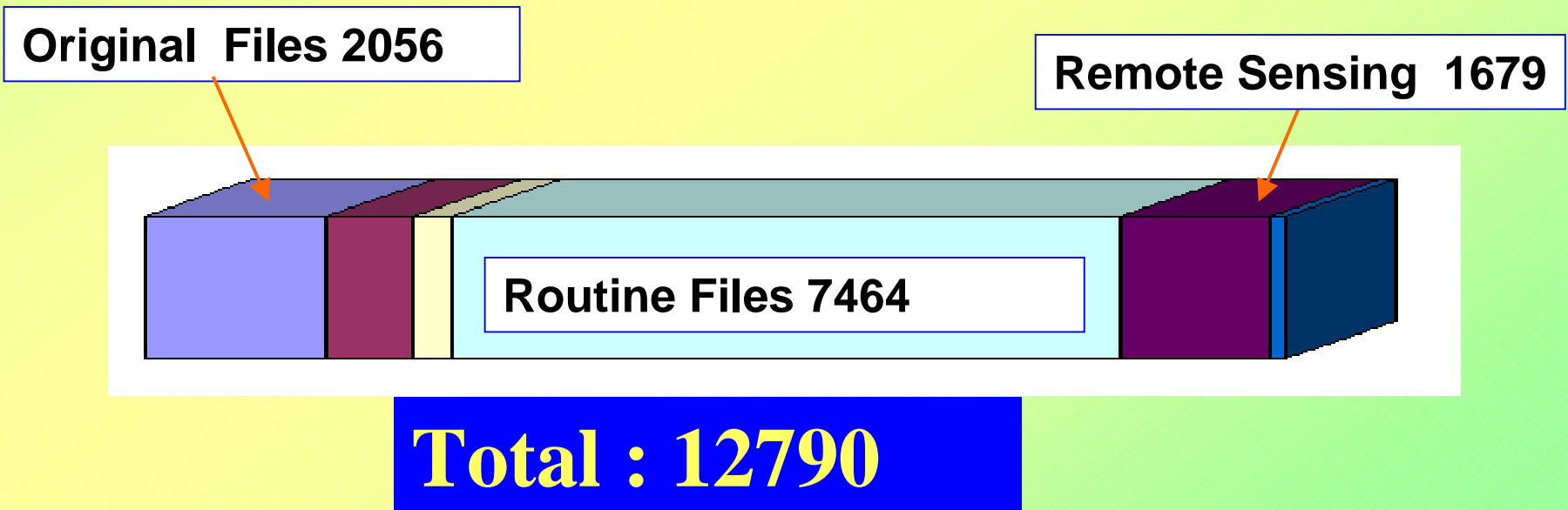
- **3.4GB out of 4.1GB is original files**
 - Original files sometimes contain huge data files



Total : 4.1GB

Number of Files

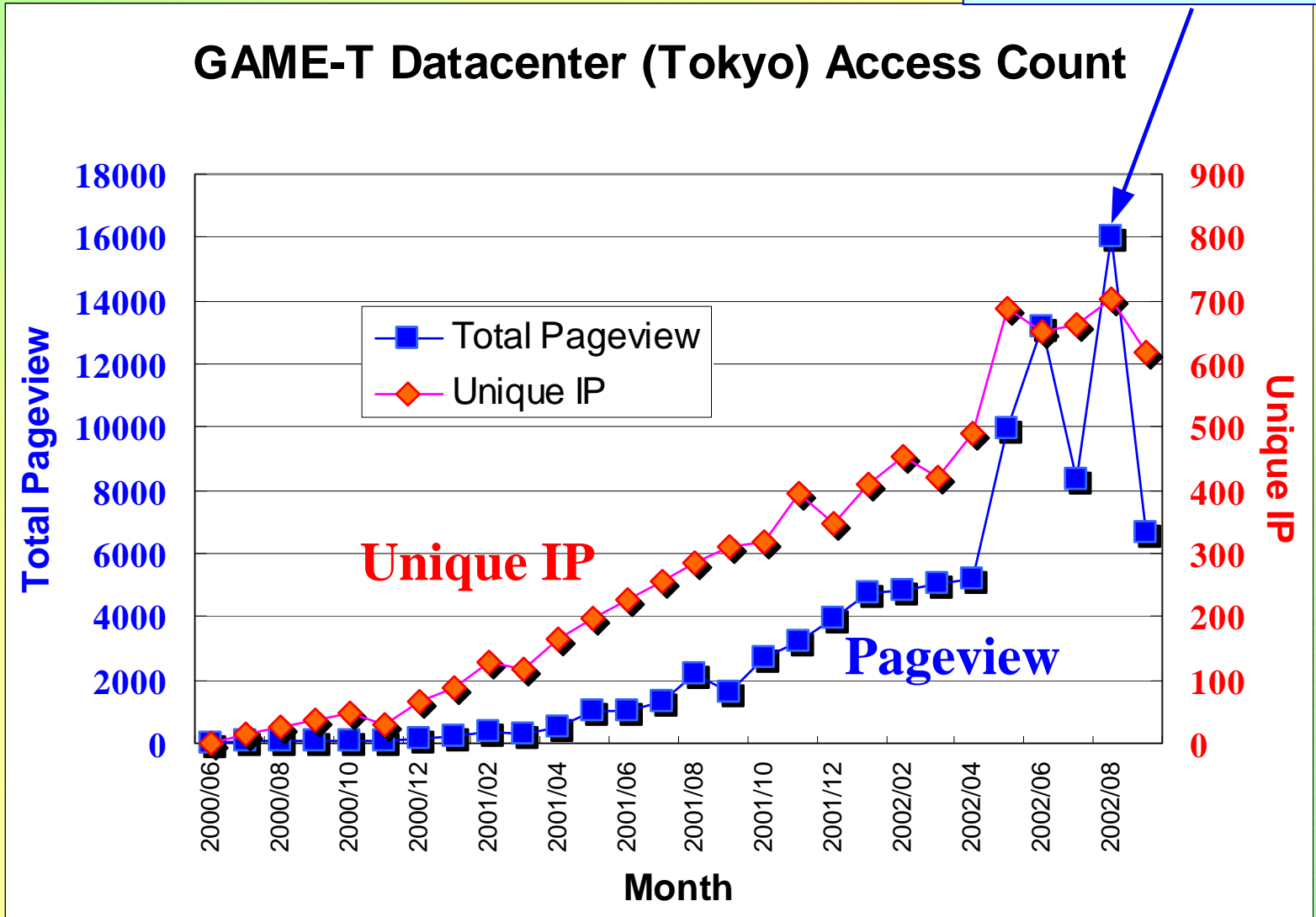
- **NUMBER: 7464 out of 12790 are routine files.**
 - DB manager divided all files so that each file contains one-year one-station data in the same format



Access Count

Max. at 2002Aug.
Pageview=16309
UniqIP=704

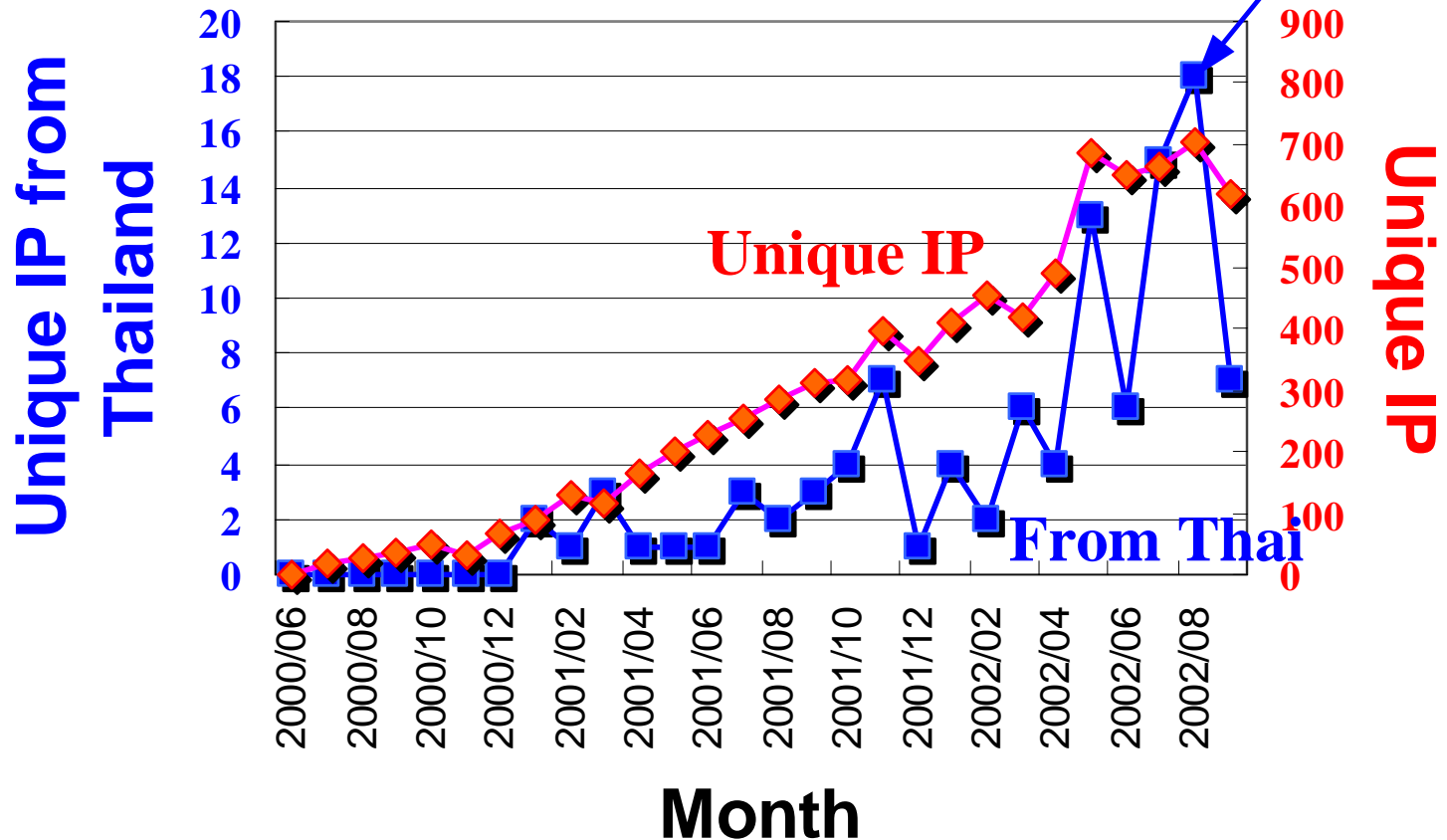
- Total Pageview to date=92909



Access from Thailand

Max at 2002Aug.
UniqIP=704
From Thai=18

GAME-T Datacenter (Tokyo) Access Count



Conclusion

- **GAME-T(1)'s achievement :**
 - 'Human network' for data collection
 - Data publication and sharing system.
- **Data collection / publication activities continue also in GAME-T(2)**
- **CD-ROM and distributed DB server offers easier access to GAME-T data files.**
- **New data files were/will be created**
 - For new generation study

Need latest info?

- **GAME-T ML (see hyperlink in the DB)**
 - **Monsoon-ML(English/Thai) :**
BY Prof. Hashizume, Chulalongkorn Univ.
 - **GAME-ML(Japanese)**
By Univ. of Tokyo
- **DB Manager : agata@iis.u-tokyo.ac.jp**
- **We welcome your comment and data requests!**

Acknowledgement

- **GAME-T DB has been helped by**
 - all who provided us their precious data, including both official agencies in SE Asia countries and GAME-T researchers
 - All who used the DB and gave comments
- **New DB server in Thailand was installed with NRCT's support. The server is now maintained by NRCT.**

THANK YOU!

ขอบคุณ ครับ