



From GIS to Spatial Database and to Spatial Data GRID

BY

Royol CHITRADON

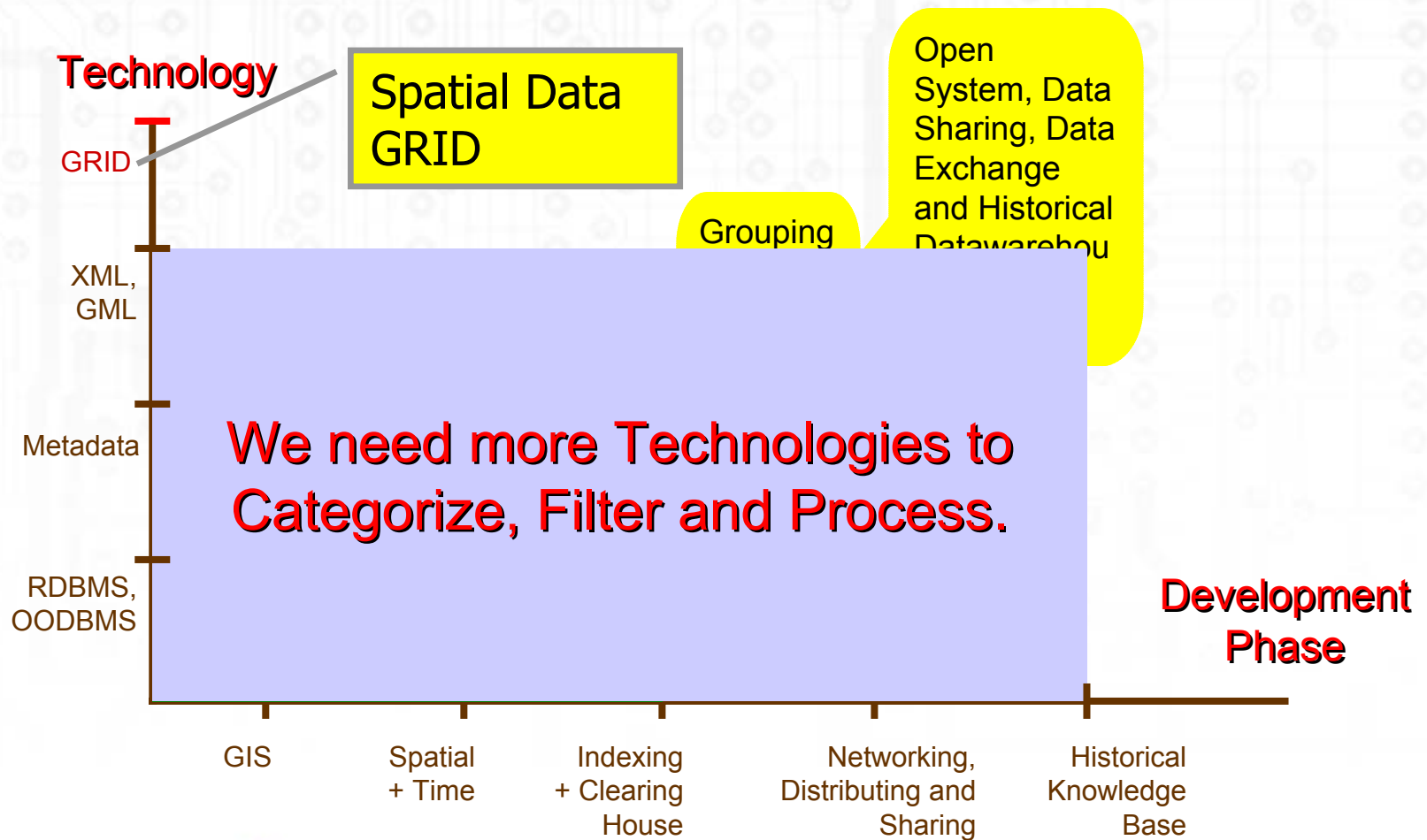
National Electronics and Computer Technology Center

Out Line of Talk

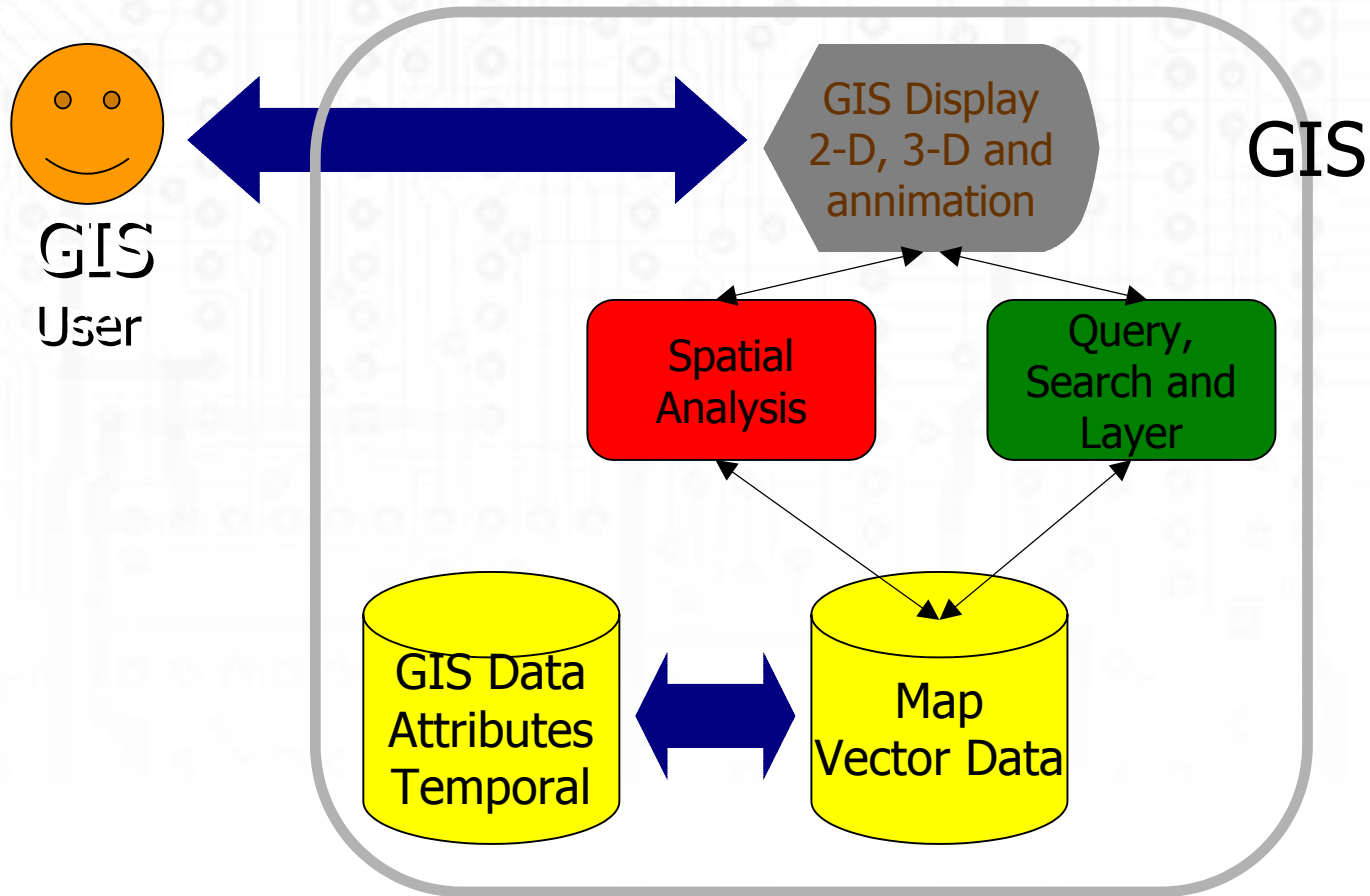
- **GIS and Spatial Development - PNC 2001**
- **GIS in Traditional Way**
- **Spatial Database**
- **Spatial Data GRID System**
- **Something which is under developing:**
 - ISO/TC211
 - XGML



GIS and Spatial Data Development



GIS as a stand alone system



Spatial Database

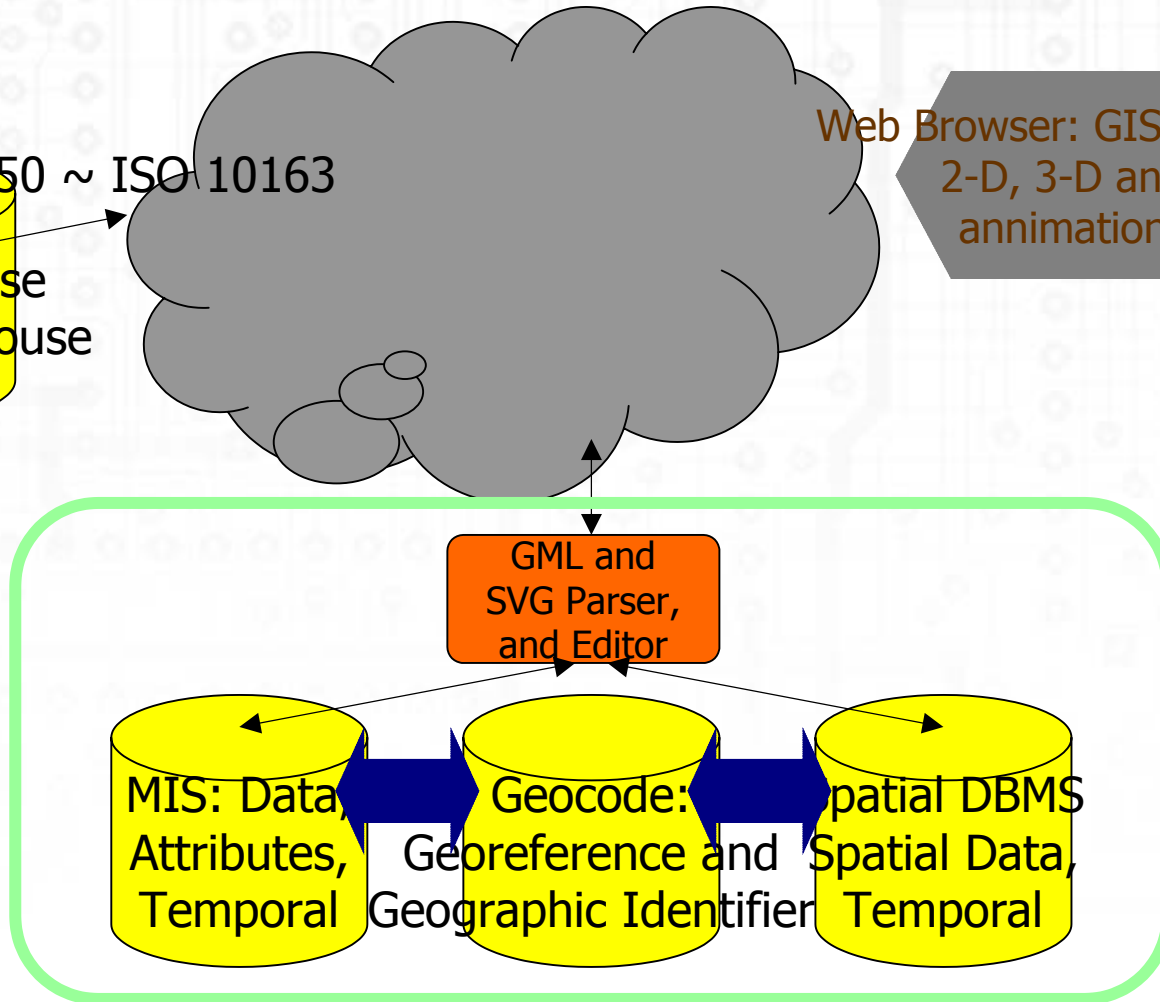


GIS User

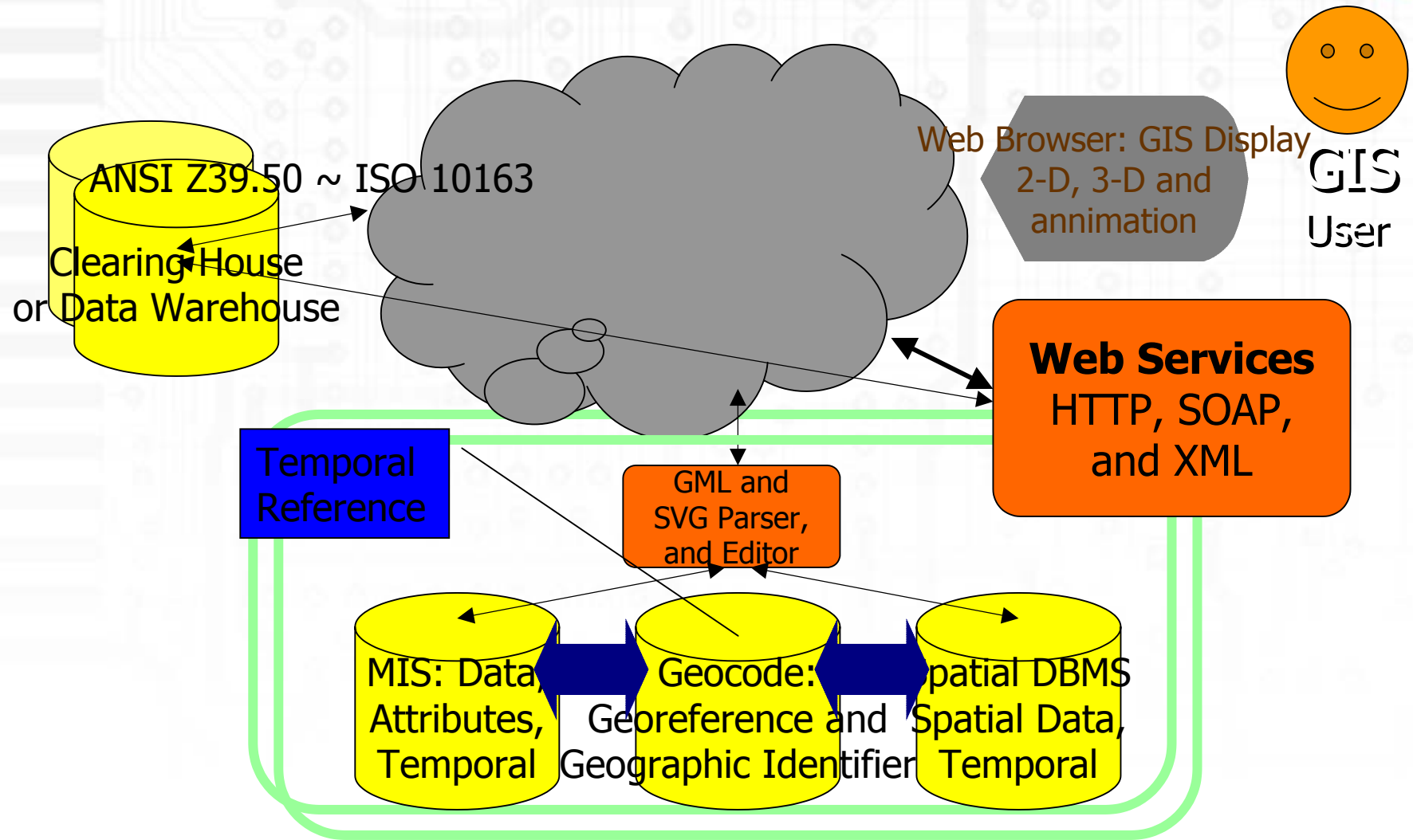
Web Browser: GIS Display
2-D, 3-D and animation

ANSI Z39.50 ~ ISO 10163

Clearing House
or Data Warehouse








Spatial Data GRID System



GISX Service [-] [□] [X]

<< GISX Client >>

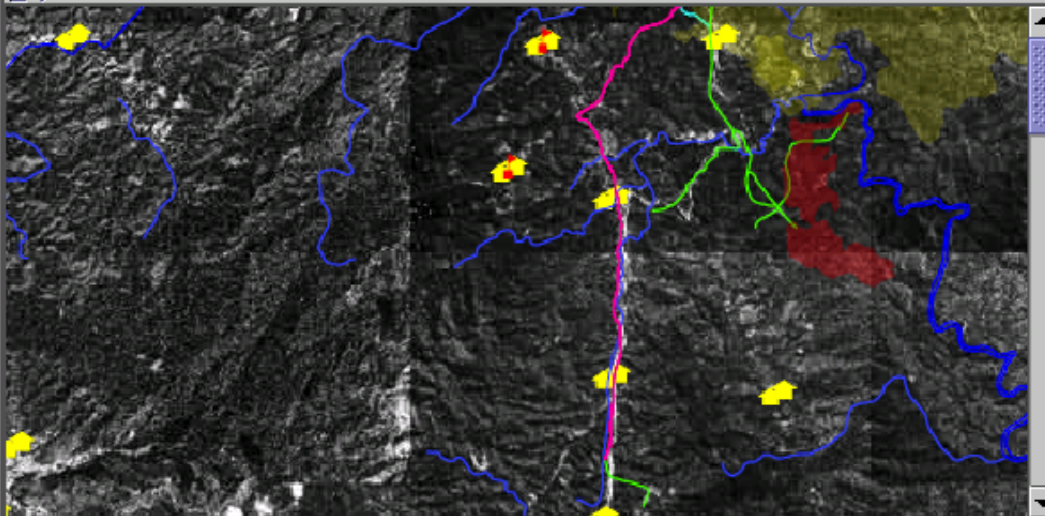






Tree View

- Province: bma
 - Khets
 - Kwangs
 - Kwang: kwang1 (Kw0)
 - Kwang: kwang2 (Kw1)**
 - Kwang: kwang3 (Kw2)
 - Kwang: kwang4 (Kw3)
 - Schools
 - Streams
 - Transports

Features

- Kwang**
 - fid: Kw1
 - sysCreateTime: 1023776286747
 - gml:name: kwang2
 - locateln
 - xlink:href: #Kh1
 - xlink:type: simple
 - numberOfMale: 5472
 - numberOfFemale: 8046
 - totalPeople: 11518
 - numberOfHouses: 6458



Changed geometry map mode.

Java Applet Window

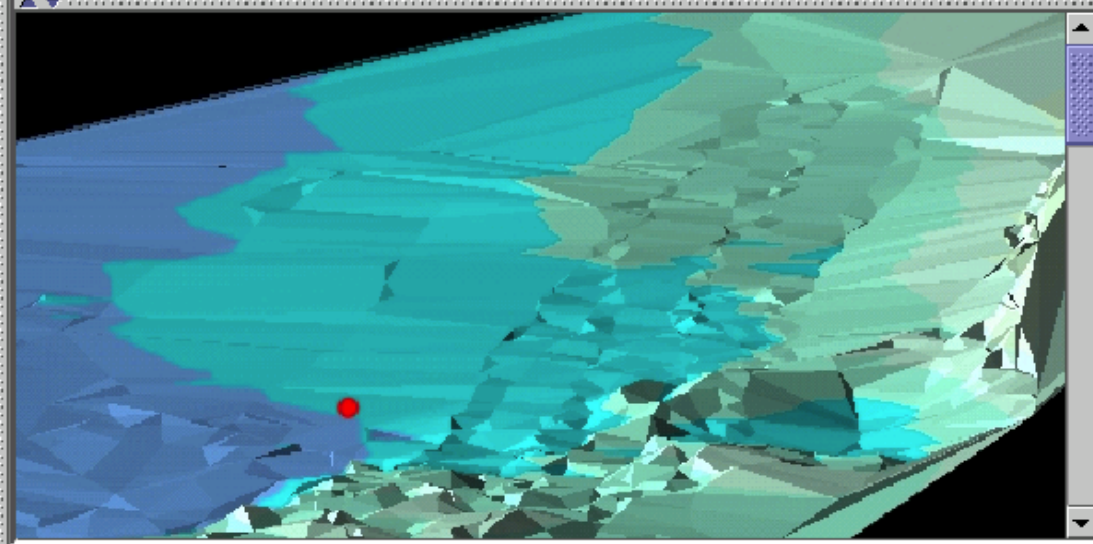


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References

- **Open GIS Consortium -**
www.opengis.org/info/techno/GML2.htm
- **ISO/TC211 -** www.isotc211.org
- **FGDC -** www.fgdc.gov/clearinghouse/clearinghouse.html

Update Projects in Thailand

- **Ayutthaya GIS Project: Department of Fine Art and Dr. Danai at Chulalongkorn University, under UNESCO support,**
- **Ayutthaya 3-D Model: NECTEC and University of Sydney, and**
- **Remote Sensing to discover Historical Site: Dr. Surat at AIT.**

