



**Data Visualization by  
Quantum GIS**

Wirote Laongmanee

Southeast Asia START Regional Center

Chulalongkorn University



# Content

- ☛ What is GIS?
- ☛ What kind of question for GIS?
- ☛ What is Quantum GIS?
- ☛ Where to get QGIS?
- ☛ Your turn...

## What is GIS?

- GIS : Geographic Information System / Science.
- The way to describe data with location.
- The way to make understand information.
- Some call Geo-data system, spatial information system, digital mapping system, desktop mapping and geo-informatics.



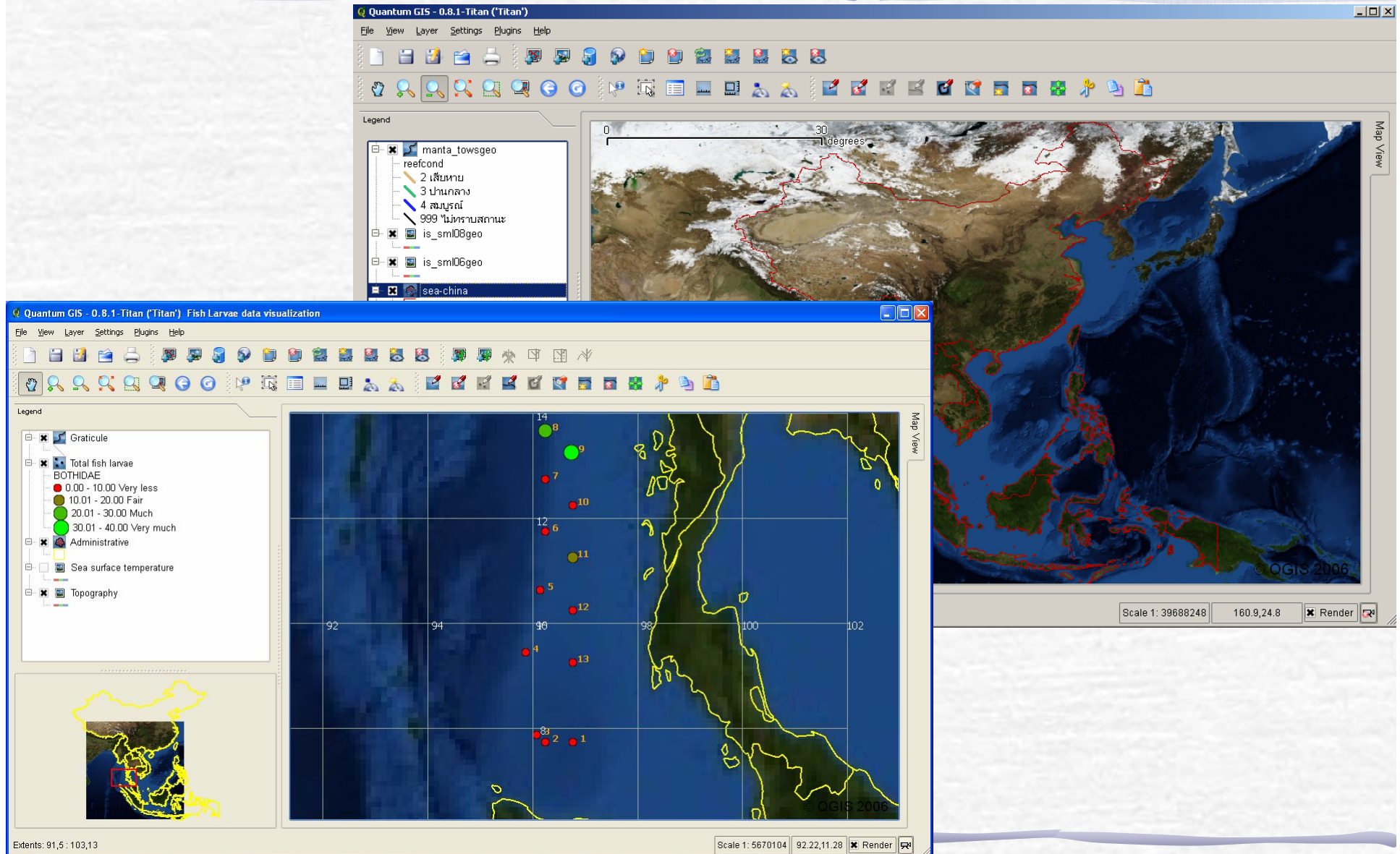
## What is GIS?

- GIS concern on hardware, software, process, personnel, and data.
- GIS can use for inputting, storing, manipulating, analyzing and presenting.

## GIS Question

- ☞ What is at...?
- ☞ How big / long is ...?
- ☞ How do I get from/to...?
- ☞ Where is ...?
- ☞ What has changed since...?
- ☞ What spatial pattern exist...?
- ☞ What if ...?

# What is Quantum GIS ?





# Quantum GIS

- ☛ The desktop GIS
- ☛ Open Source Software
- ☛ User friendly graphic interface
- ☛ Support most GIS data format
- ☛ Support Database management system
- ☛ User community support

[Job Description](#)

[Mailing Lists](#)

[Interviews](#)

[Developers](#)

[FAQ](#)

## Random User



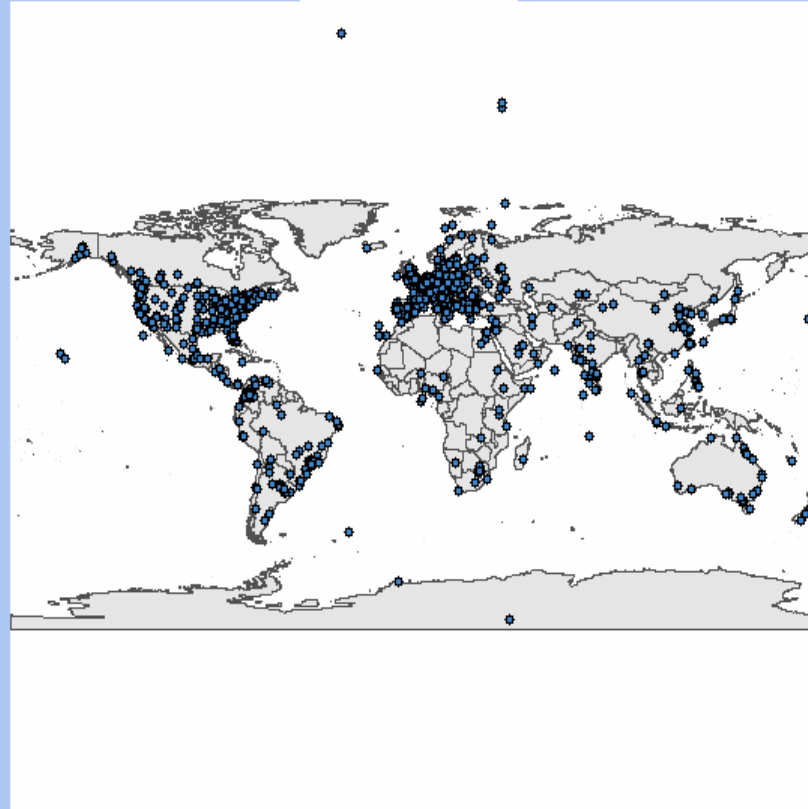
Markus Neteler

[1064 QGIS](#)

## QGIS Developer Blogs

- [QGIS 0.8.1 preview 1 for windows available](#)
- [Building QGIS on Mac OSX](#)
- [Quantum GIS Applies for Membership in OSGeo](#)
- [OSGeo Membership](#)
- [GNU/Linux installer bundle \(OSX Style\) for QGIS 0.8 available for testing](#)

QGIS Users Around the World ::  [Zoom all](#) :: [Add Yourself To This Map!](#)



0 3800 7600 11400 km

- WFS
- Image transparency by color/index
- PostGIS layer management tool
- Pass-through SQL queries
- Python scripting
- Improved map printing/layout
- Enhanced symbology
- No more crashes!
- Enhanced vector editing

## Google Ads

Ads by

Googooooogle

[Publish GIS Maps Online](#)

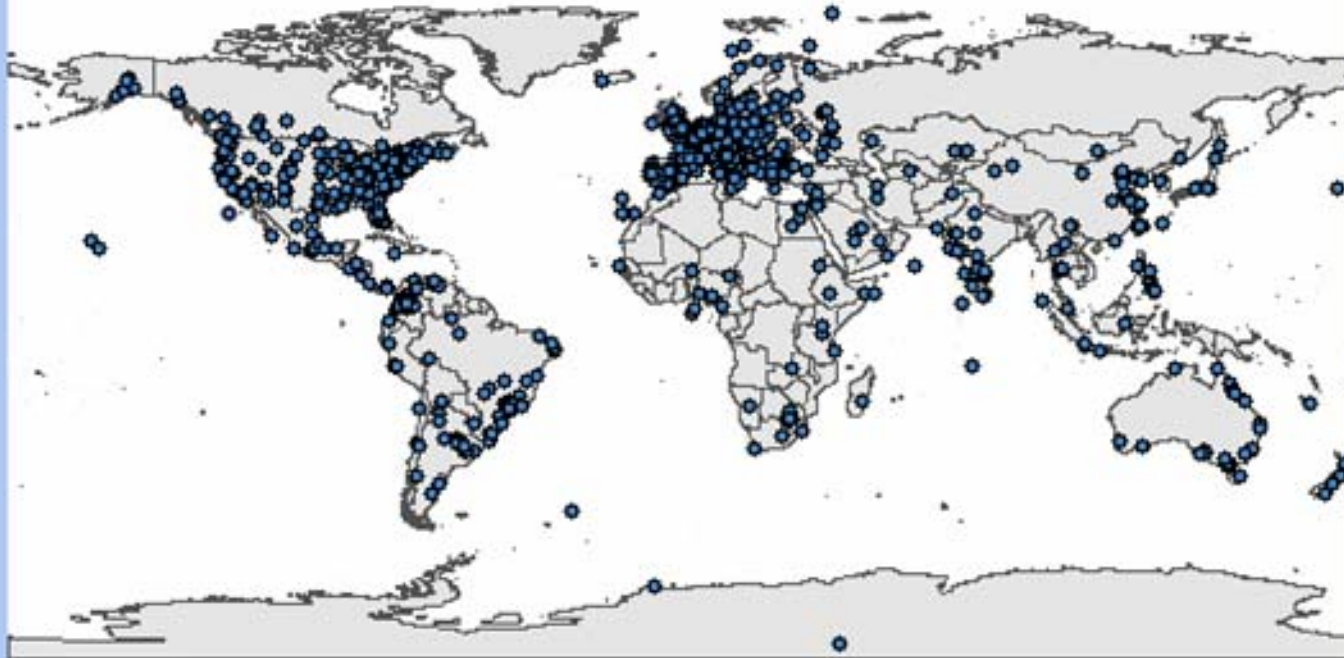
Create online mapping applications from your ArcGIS projects. Easy.  
[www.alta4.com](http://www.alta4.com)

[Maps for MapServer](#)

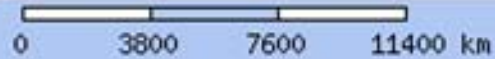
Database



## Registered user



January 2007



## Task

- ✔ Installation QGIS
- ✔ Walk around QGIS (familiar with menu, tool bar and windows)
- ✔ Open existing project (Fish larvae data visualization: data\_visual.qgs)
- ✔ Create new project
- ✔ Load existing data
- ✔ Create new data from text file
- ✔ Visual data by graduate value
- ✔ Create map graphic for other document