

DataMARES: Connecting users with coastal and marine ecosystem's data in the Gulf of California and Pacific Ocean, Mexico

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Gulf Program
© Octavio Aburto

Gulf of California Marine Program, Center for Marine Biodiversity and Conservation
Scripps Institution of Oceanography

www.datamares.org/en/

DataMARES is a free and open source interactive platform.

[Login](#) or [Register](#) | ES / EN

DataMARES

Map About Data Network Contact

Map Satellite

www.datamares.org

Google Imagery ©2013 TerraMetrics Terms of Use

Map About Forum Contact Log In

Register to access the entire features

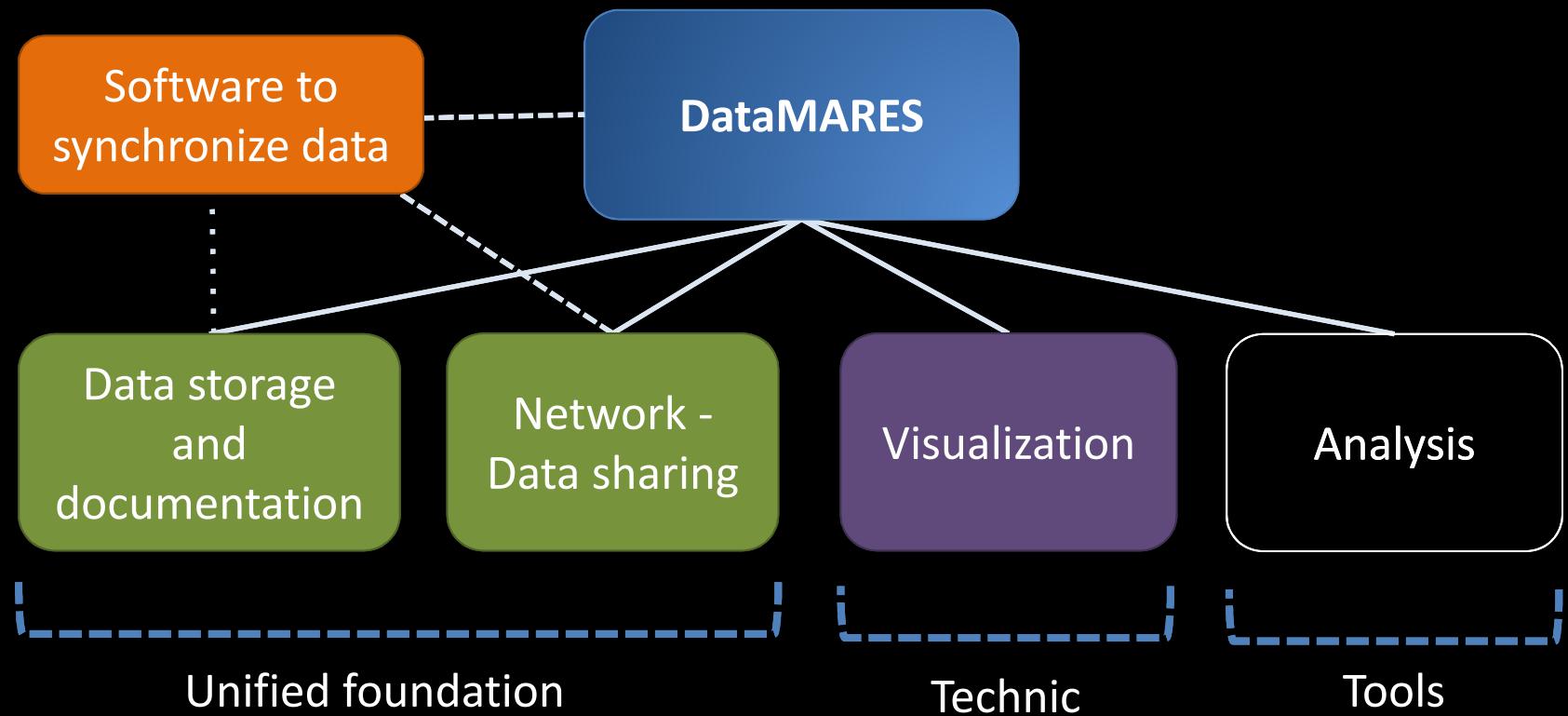
Enter your email address [Go](#)

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www.datamares.org/en/

The screenshot shows a web browser displaying the DataMARES platform. The main feature is a global map with a satellite view of landmasses and bathymetry of the oceans. A large, semi-transparent blue callout box is centered over the map, containing the text "www.datamares.org". On the left side of the map, there is a vertical toolbar with icons for orientation, zooming, and other map controls. The top navigation bar includes links for "Map", "About", "Data", "Network", and "Contact", along with "Login" and "Register" buttons for user authentication. The footer contains a "Google Imagery" attribution, copyright information for 2013, and links for "Map", "About", "Forum", "Contact", and "Log In". There is also a registration form for users to enter their email address and a "Go" button.

DataMARES



www.datamares.org/en/users/view/Marcia%20Moreno-Báez/metadata

DataMARES is a free and open source interactive platform.

Hi, Marcia Moreno-Báez (0 notifications | Logout) | ES / EN | ☰

DataMARES

Map About Data Network User Contact

/Metadata

Home / Explore / Users / Metadata

Marcia Moreno-Báez

The critical responsibility for our generation is to help provide the direction and the support for those generations who come behind. Hence we seek to communicate better our science.

Metadata Archives Queries Themes Maps Bio

New metadata

Metadata

| Name | Modification Date |
|----------------------------------------------------------------------------------|---------------------|
| ProMonitor - Rocky Reef and Coastal Zones Monitoring Program by Administrator | 2013-09-09 16:17:54 |
| View Download | |
| Trackers Upper Gulf 2009-2013 by Victoria Jimenez Esquivel | 2013-06-05 16:04:30 |
| View Download | |

Connect

mmorenobaez@ucsd.edu

Twitter

Skype

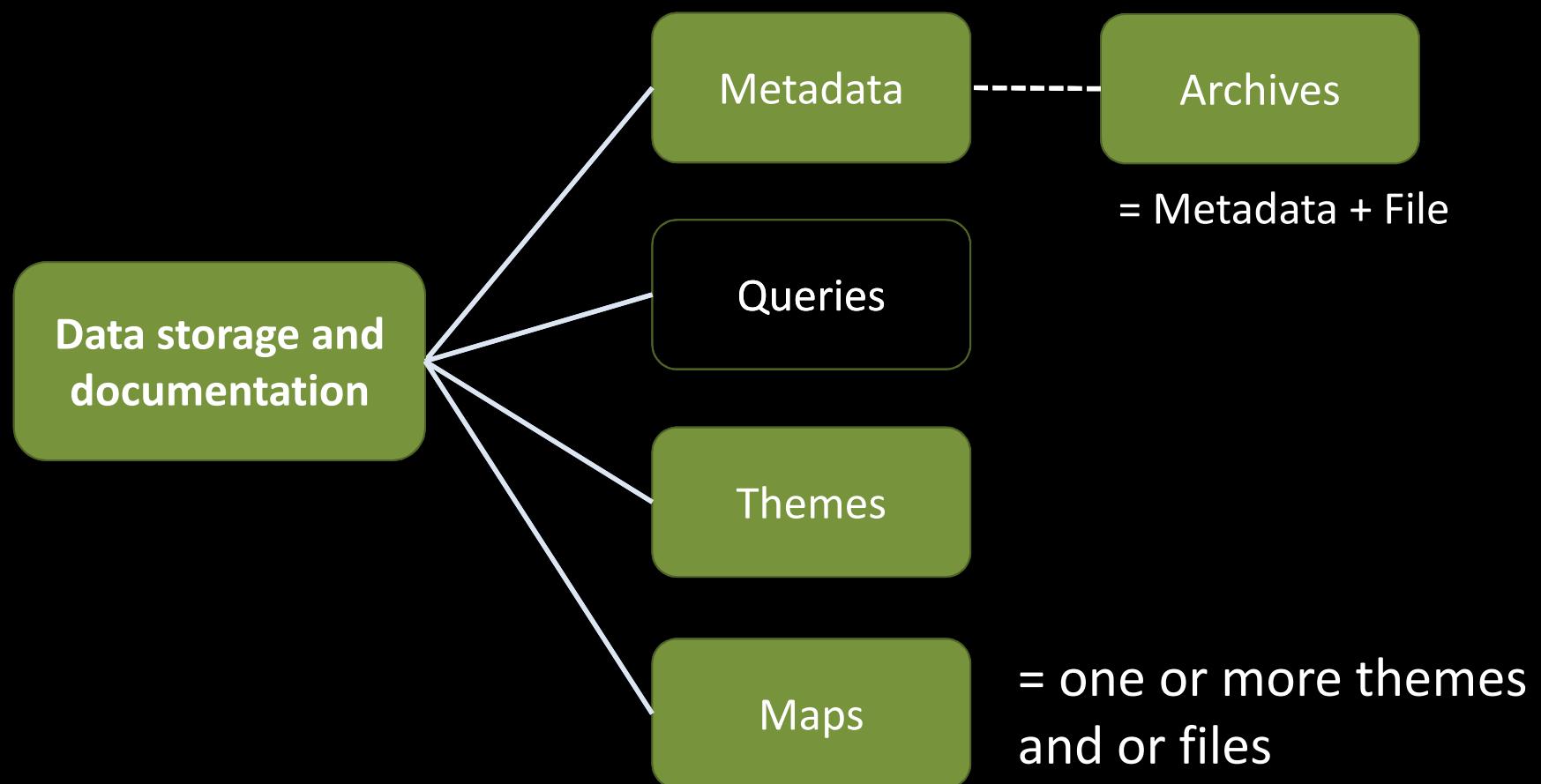
Disciplines

Natural Resource Management Conservation Geography Data Management

Website

<http://bit.ly/11aemMl>





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www.datamares.org/en/users/explore



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Map About Data Network Contact

/Users

Users
Disciplines
Groups
Projects

Home / Explore / Users

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If DataMARES represents your interests, you are invited to [Join Us](#)

The goal of DataMARES is to encourage accessibility to science and geospatial information, promoting collaboration among all people including scientist, decision-makers and stakeholders. The success of DataMARES depends on the equal opportunity to design, create, and disseminate data and information, which are essential for productive research and policy-making efforts.

Search Users

by name or keyword...

or filter by

discipline or group

Search

Clear



Alberto Beylán
González
[View Full Profile »](#)



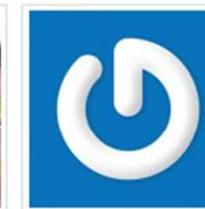
Alexandra Sánchez
[View Full Profile »](#)



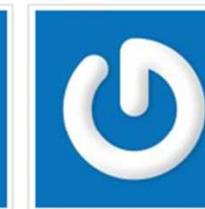
Alfredo Girón
[View Full Profile »](#)



Ana Dominguez
[View Full Profile »](#)



antonio
[View Full Profile »](#)



benignomartinez
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Network -
Data sharing

Data Sharing Network

USER to Public

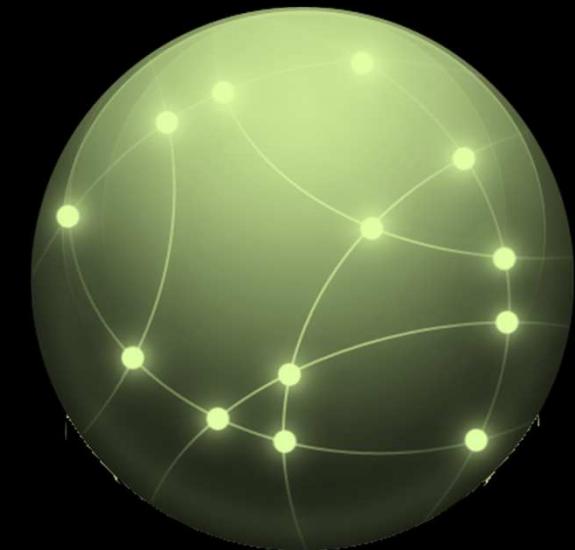
Information will be available to anyone

User to User

Information will be shared to other user

User to Group

Information will be shared to a group or a project



Network -
Data sharing

www.datamares.org/en/groups/explore/project

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Hi, Administrator (0 notifications | Logout) | ES / EN

DataMARES

/Projects

Home / Projects

Disciplines Groups Projects

Projects

Add Project

| Name | Users |
|--------------------------------------------------------------------------------|--------------------------------------------------|
| An Analysis of Gulf of California Estero / Estuary Systems by Administrator | Members: Vicente Obregon |
| Join | |
| PANGAS Project by Administrator | Members: Adrian Munguia-Vega, Marcia Moreno-Báez |
| Join | |
| Rocky Reef Monitoring Program, Gulf of California, Mexico by Administrator | Members: Alexandra Sánchez |
| Join | |

Network - Data sharing

www.datamares.org/en/

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DataMARES

Map About Data Network Contact

Map Satellite

Themes

Mangrove ecosystems

Estuary systems

[table](#) | [metadata](#)

Monitoring

ProMonitor (fish & invertebrates)

[table](#) | [metadata](#)

Estero el Codo

Source: Estuaries

N

See more...

Google

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Visualization

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www.datamares.org/en/estuaries/estuaries_estuaries/view/88

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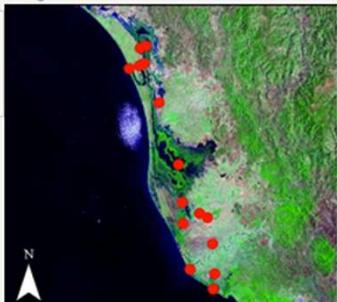
DataMARES

Map About Data Network Contact

/Estuaries

Home / Estuaries /
Estero Agua Grande, Estero el Maiz, Estero Rueda del Rio, Estero Teacapan, Estero Auta, Estero Toluca, Estero Grande, Estero Mez

GULF OF CALIFORNIA ESTUARIES / ESTEROS WORKSHOP

| | | |
|------------------|----------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| Estuary Name(s): | Estero Agua Grande, Estero el Maiz, Estero Rueda del Rio, Estero Teacapan, Estero Auta, Estero Toluca, Estero Grande, Estero Mez | |
| Estuary System: | Teacapan-Agua Brava-Marismas Nacionales | |
| Code: | ESR4015 | <input checked="" type="checkbox"/> Included in digital GIS database? |
| Region: | <ul style="list-style-type: none">1234 |  Image Photo UNDEFINED |



Visualization

www.datamares.org/en/

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Map Satellite

Isla Socorro, Pedro
Source: ProMARES

Gulf Program © Octavio Aburto
Site monitored since: 2006

Mangrove ecosystems

- Estuary systems

table | metadata

Monitoring

- ProMonitor (fish & invertebrates)

table | metadata

Themes

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Google

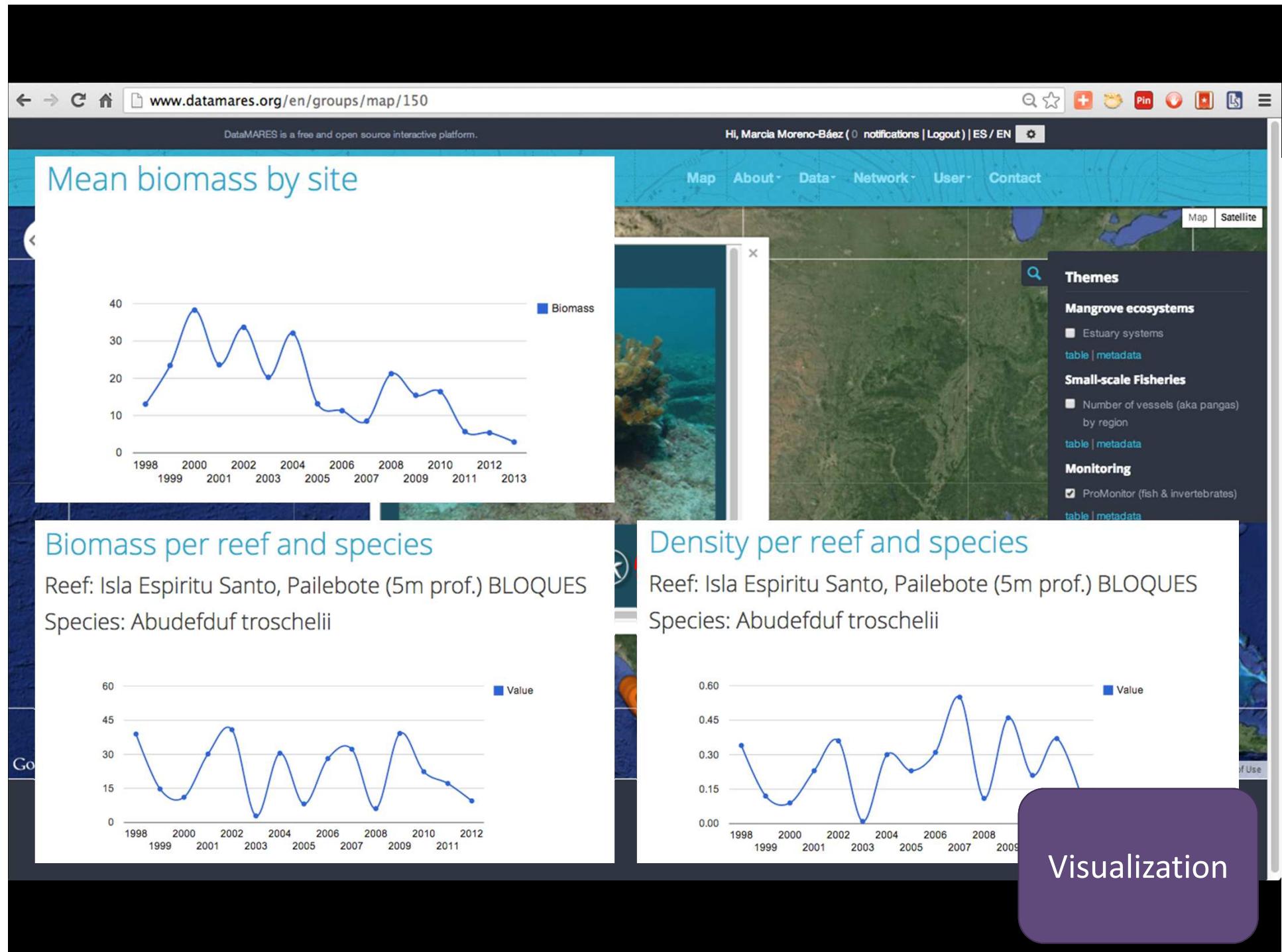
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Visualization

The screenshot shows a web-based environmental monitoring platform. At the top, there's a navigation bar with links for 'Map', 'About', 'Data', 'Network', and 'Contact'. Below the navigation is a search bar and a login/register section. The main area features a map of the Gulf of California. A specific location, 'Isla Socorro, Pedro', is highlighted with a callout box containing a photograph of a large blue sea urchin and information about the 'Gulf Program' started by Octavio Aburto in 2006. The map also includes various monitoring icons such as a person, a magnifying glass, a starfish, and a bar chart. To the right of the map, there's a sidebar titled 'Themes' which lists 'Mangrove ecosystems' and 'Monitoring' categories, each with a link to 'table | metadata'. A large purple callout bubble in the bottom right corner contains the word 'Visualization'.



EcMonitor - admin

File Sync

Users: admin

Label: -- Any label -- Species: -- Any species -- Size: -- Any size --

Year: 1998 Month: -- Any month --

Region: -- Any region -- Top Site: -- Any site --

Reef: -- Any reef --

Area: -- Any area -- Transect:

Edit transect in matrix Export all Export

| Sample ID | Year | Region Code | Region Name | Toponym Name | Site Code | Site Name | Reef Code | Reef Name | Latitude | Longitude | Depth |
|-----------|------|-------------|----------------|-----------------|------------|------------|---------------|-------------------|-----------|-------------|-------|
| 1 | 1998 | 1 CSL | Cabo San Lucas | Bahia San Lucas | LA ANEGADA | La Anegada | ANEG_05_PARED | Cabo San Lucas... | 22.878553 | -109.898835 | |
| 2 | 1998 | 1 CSL | Cabo San Lucas | Bahia San Lucas | LA ANEGADA | La Anegada | ANEG_05_PARED | Cabo San Lucas... | 22.878553 | -109.898835 | |
| 3 | 1998 | 1 CSL | Cabo San Lucas | Bahia San Lucas | LA ANEGADA | La Anegada | ANEG_05_PARED | Cabo San Lucas... | 22.878553 | -109.898835 | |
| 4 | 1998 | 1 CSL | Cabo San Lucas | Bahia San Lucas | LA ANEGADA | La Anegada | ANEG_05_PARED | Cabo San Lucas... | 22.878553 | -109.898835 | |
| 5 | 1998 | 1 CSL | Cabo San Lucas | Bahia San Lucas | LA ANEGADA | La Anegada | ANEG_05_PARED | Cabo San Lucas... | 22.878553 | -109.898835 | |
| 20 | 1998 | 1 CSL | Cabo San Lucas | Bahia San Lucas | LA ANEGADA | La Anegada | ANEG_05_PARED | Cabo San Lucas... | 22.878553 | -109.898835 | |
| 17 | 1998 | 1 CSL | Cabo San Lucas | Bahia San Lucas | LA ANEGADA | La Anegada | ANEG_05_PARED | Cabo San Lucas... | 22.878553 | -109.898835 | |
| 6 | 1998 | 1 CSL | Cabo San Lucas | Bahia San Lucas | LA ANEGADA | La Anegada | ANEG_05_PARED | Cabo San Lucas... | 22.878553 | -109.898835 | |
| 26 | 1998 | 1 CSL | Cabo San Lucas | Bahia San Lucas | LA ANEGADA | La Anegada | ANEG_05_PARED | Cabo San Lucas... | 22.878553 | -109.898835 | |
| 21 | 1998 | 1 CSL | Cabo San Lucas | Bahia San Lucas | LA ANEGADA | La Anegada | ANEG_05_PARED | Cabo San Lucas... | 22.878553 | -109.898835 | |
| 7 | 1998 | 1 CSL | Cabo San Lucas | Bahia San Lucas | LA ANEGADA | La Anegada | ANEG_05_PARED | Cabo San Lucas... | 22.878553 | -109.898835 | |
| 8 | 1998 | 1 CSL | Cabo San Lucas | Bahia San Lucas | LA ANEGADA | La Anegada | ANEG_05_PARED | Cabo San Lucas... | 22.878553 | -109.898835 | |
| 24 | 1998 | 1 CSL | Cabo San Lucas | Bahia San Lucas | LA ANEGADA | La Anegada | ANEG_05_PARED | Cabo San Lucas... | 22.878553 | -109.898835 | |
| 9 | 1998 | 1 CSL | Cabo San Lucas | Bahia San Lucas | LA ANEGADA | La Anegada | ANEG_05_PARED | Cabo San Lucas... | 22.878553 | -109.898835 | |
| 18 | 1998 | 1 CSL | Cabo San Lucas | Bahia San Lucas | LA ANEGADA | La Anegada | ANEG_05_PARED | Cabo San Lucas... | 22.878553 | -109.898835 | |
| 19 | 1998 | 1 CSL | Cabo San Lucas | Bahia San Lucas | LA ANEGADA | La Anegada | ANEG_05_PARED | Cabo San Lucas... | 22.878553 | -109.898835 | |
| 25 | 1998 | 1 CSL | Cabo San Lucas | Bahia San Lucas | LA ANEGADA | La Anegada | ANEG_05_PARED | Cabo San Lucas... | 22.878553 | -109.898835 | |
| 23 | 1998 | 1 CSL | Cabo San Lucas | Bahia San Lucas | LA ANEGADA | La Anegada | ANEG_05_PARED | Cabo San Lucas... | 22.878553 | -109.898835 | |
| 22 | 1998 | 1 CSL | Cabo San Lucas | Bahia San Lucas | LA ANEGADA | La Anegada | ANEG_05_PARED | Cabo San Lucas... | 22.878553 | -109.898835 | |
| 10 | 1998 | 1 CSL | Cabo San Lucas | Bahia San Lucas | LA ANEGADA | La Anegada | ANEG_05_PARED | Cabo San Lucas... | 22.878553 | -109.898835 | |
| 11 | 1998 | 1 CSL | Cabo San Lucas | Bahia San Lucas | LA ANEGADA | La Anegada | ANEG_05_PARED | Cabo San Lucas... | 22.878553 | -109.898835 | |
| 12 | 1998 | 1 CSL | Cabo San Lucas | Bahia San Lucas | LA ANEGADA | La Anegada | ANEG_05_PARED | Cabo San Lucas... | 22.878553 | -109.898835 | |

Matrix Samples Catalogs ProMARES Data

Ready Recorder: 6666

Start File Internet Explorer Search Computer Network

EcMonitor 2013

Software to synchronize data

Analysis

www.datamares.org/en/groups/map/158

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Themes

Fisheries

- Coastal population (5km)
[table](#) | [metadata](#)
- Number of vessels
[table](#) | [metadata](#)

1. Density map for vessels and population

2. Normalize data by:

- vessels density / std. dev.
- Population density / std. dev.

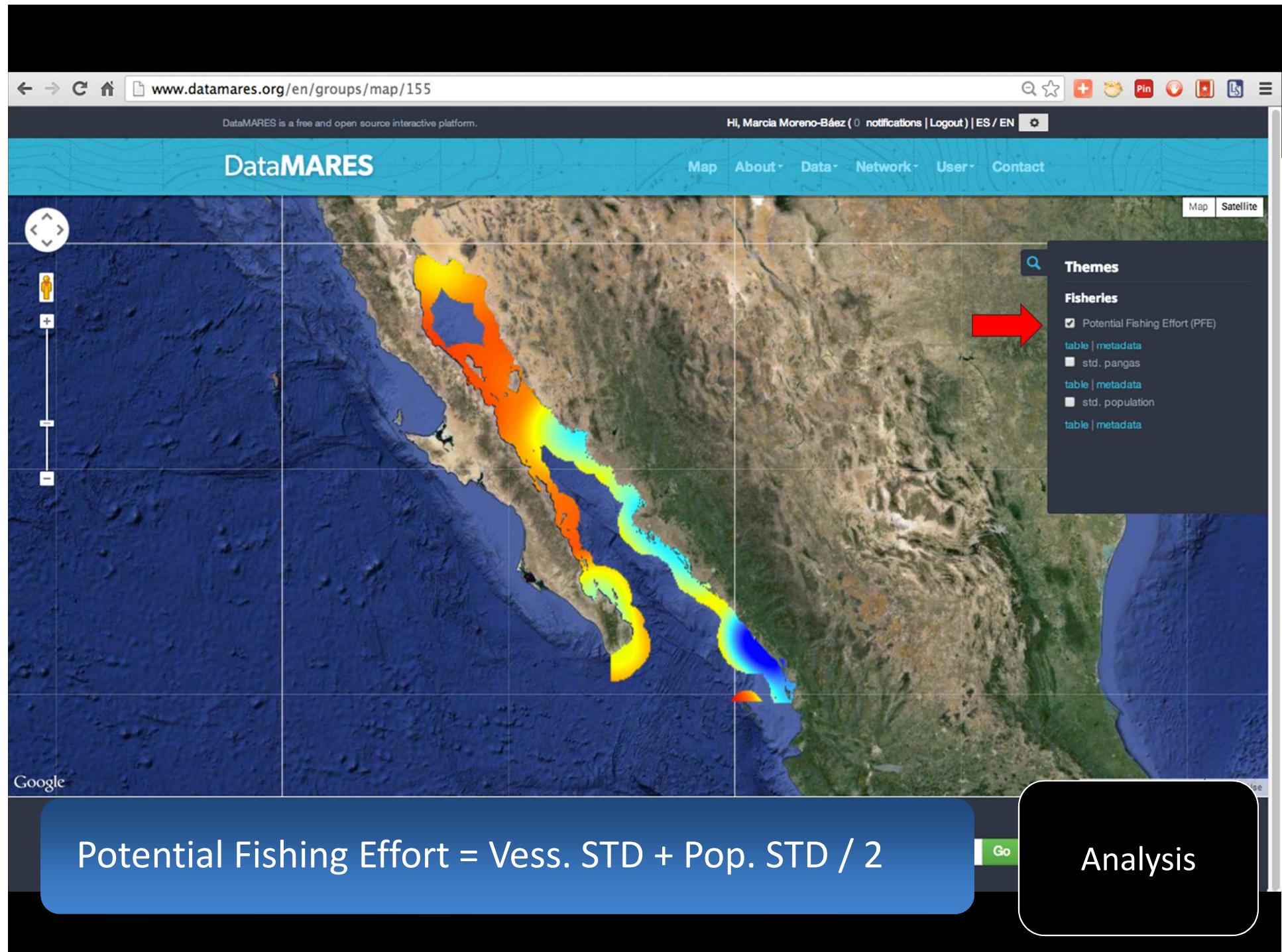
Google

Map About Forum Contact Log Out

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Analysis



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DataMARES



Where we are and what's next?

- Ecological Metadata Language (EML)
- Data policy
- Help center
- Query improvements
- Tabular and spatial analysis
- Bring more human resources
- Connect with other initiatives