

# DIGITAL ISLANDS

Utilizing  
the Soft Infrastructure



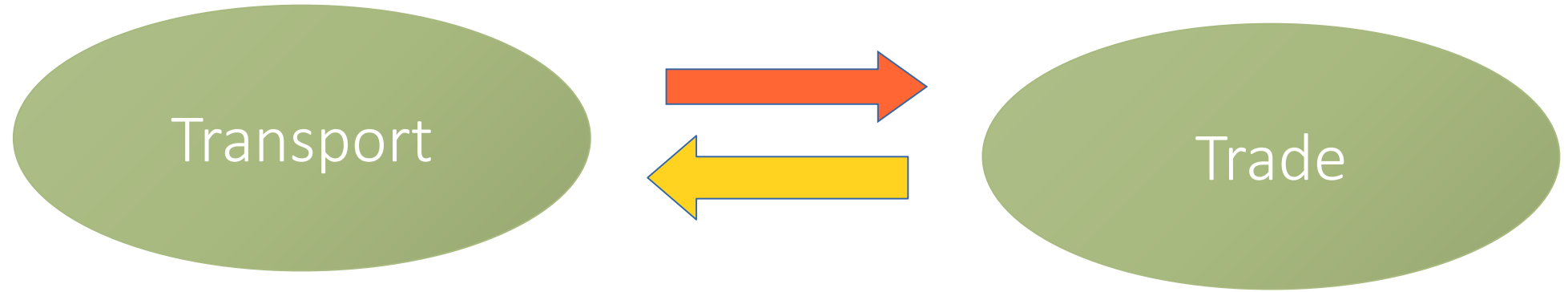
Sustainable  
Island  
Development  
Initiatives



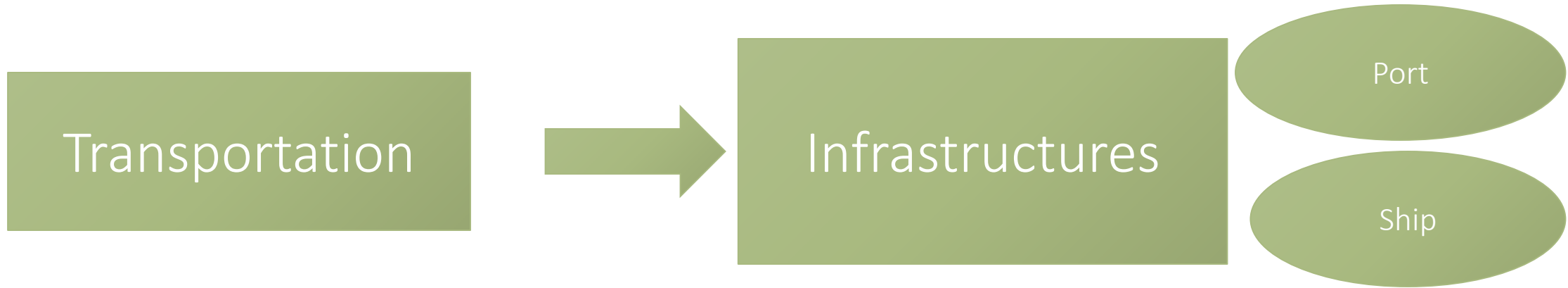




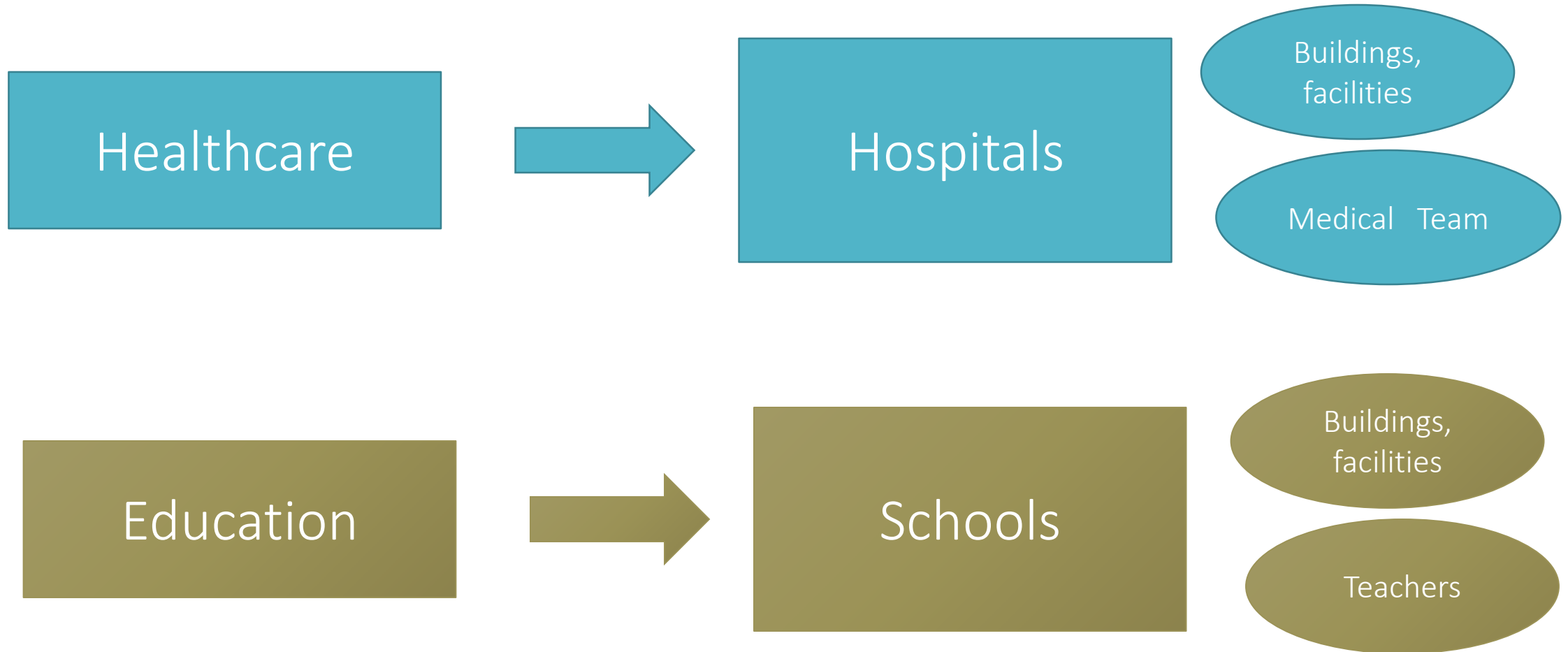
# Motivation



# Hard Infrastructure (1)

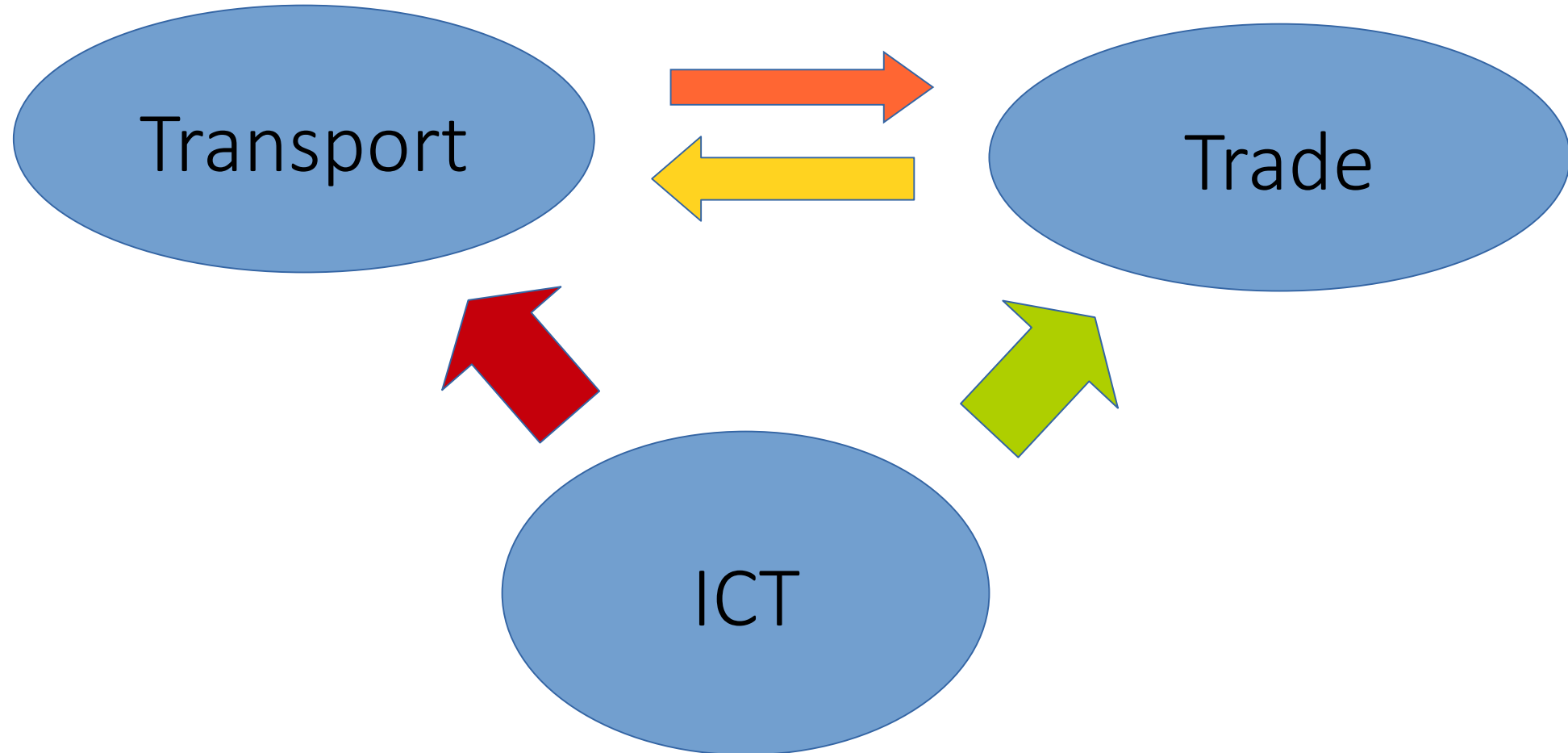


# Hard Infrastructure (2)



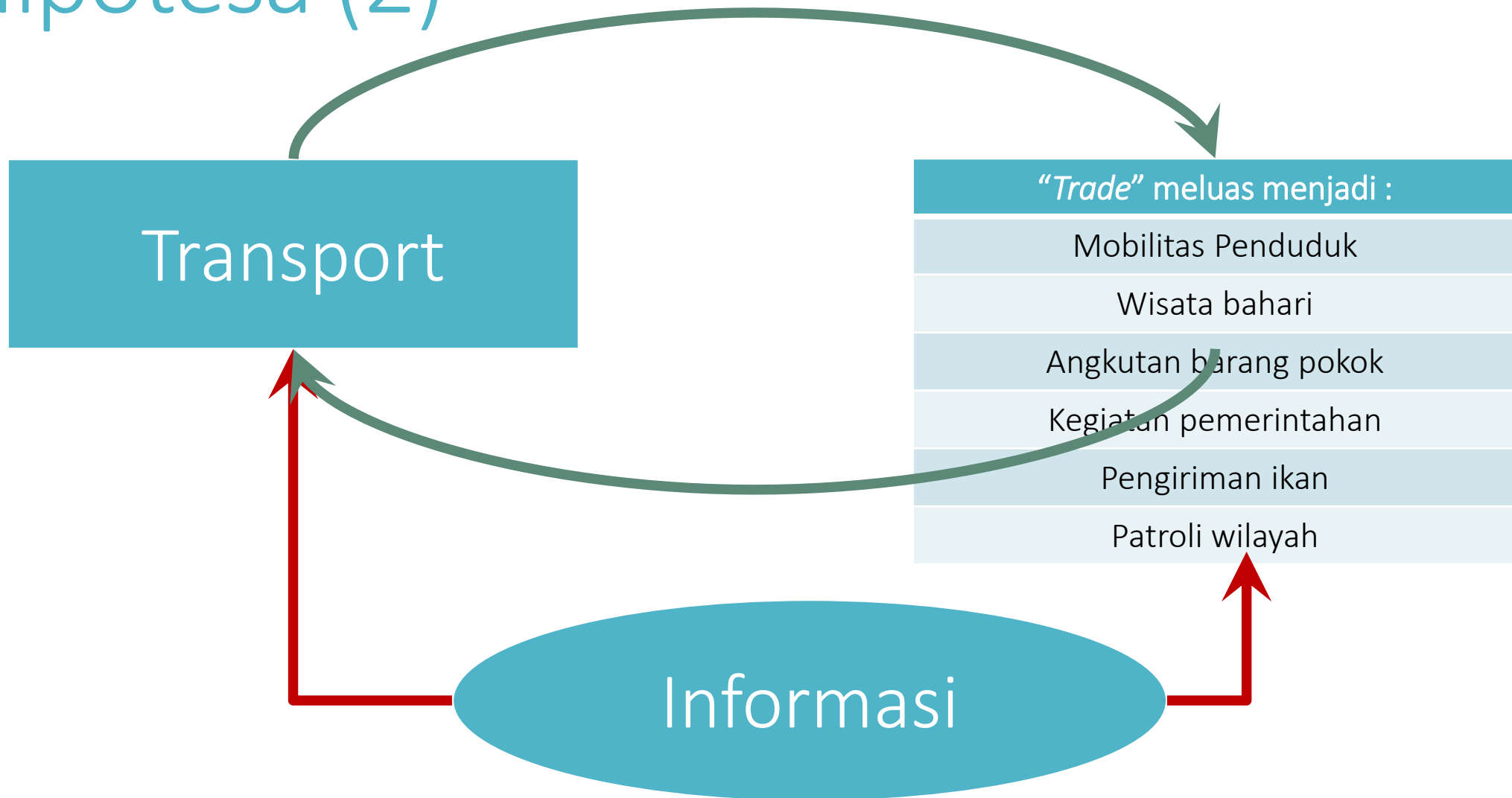
Hard Infrastructure:  
Expensive, Took Long-time,  
Complex

# Motivation

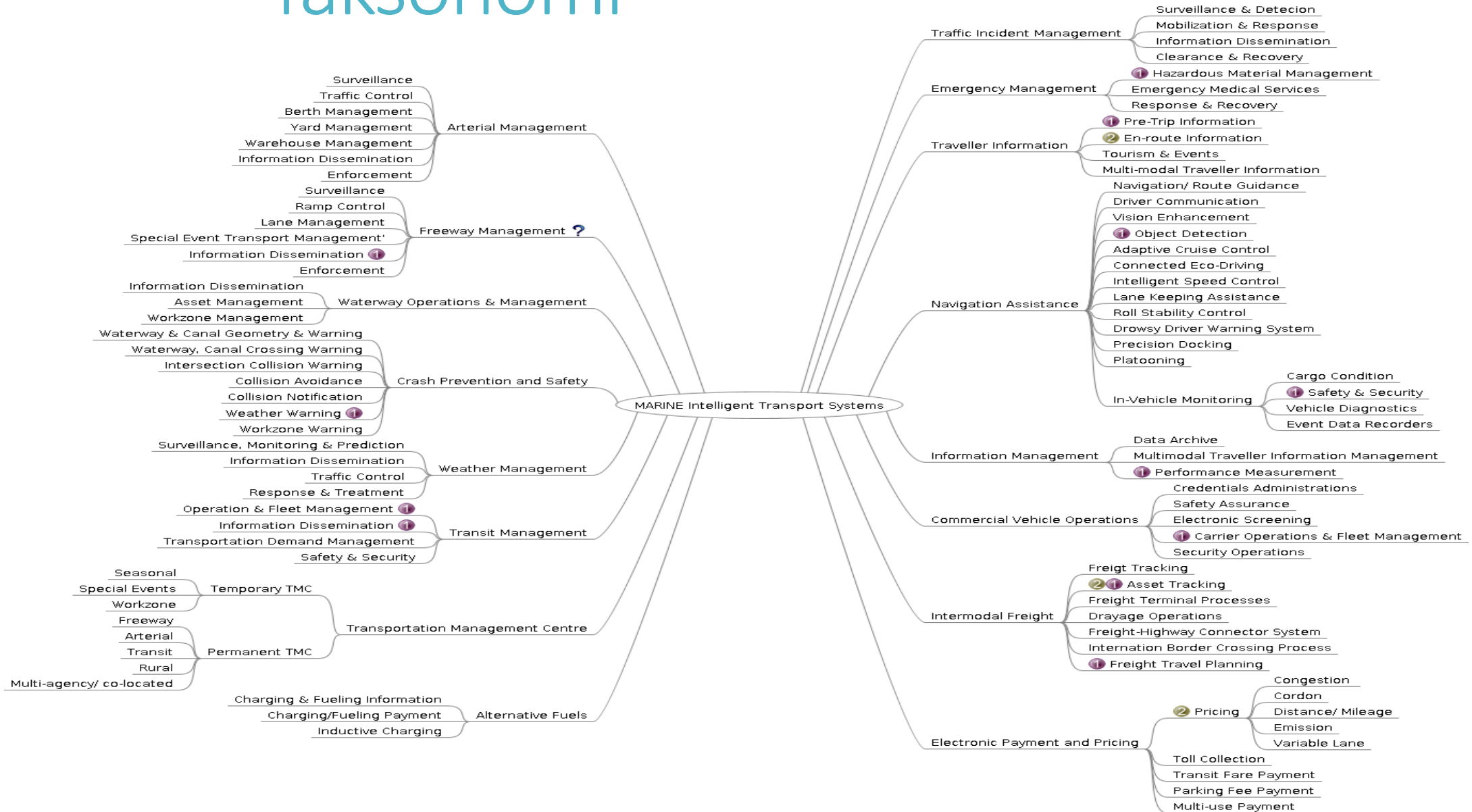




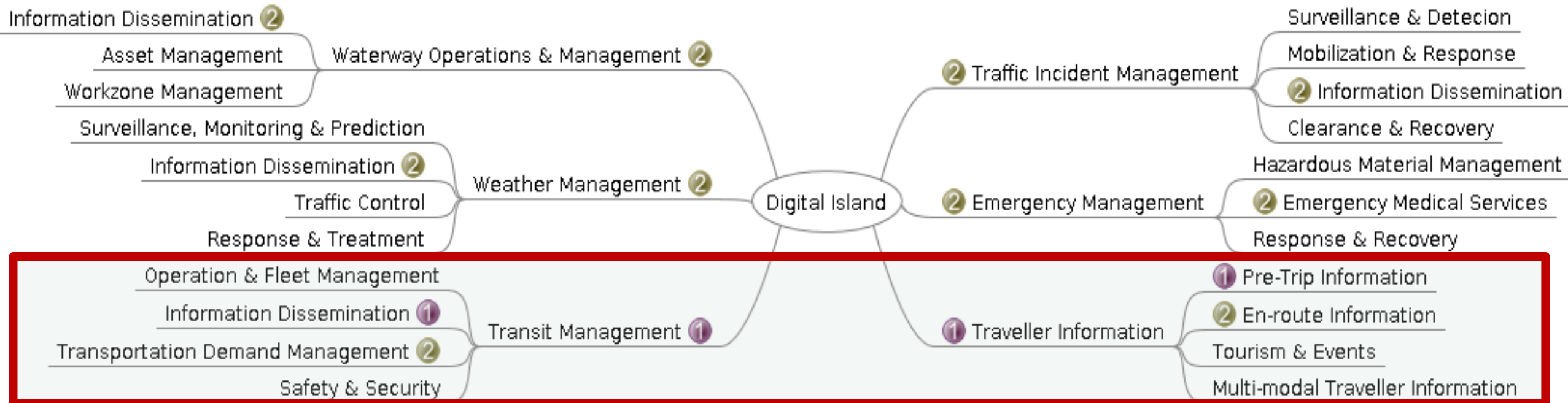
## Hipotesa (2)



# Taksonomi



# Concept



# Soft Infrastructure (1)

The use of Information and Communication Technology

- Doesn't need much land or buildings
- Faster
- More simple

# Soft Infrastructure (2)

## Challenges:

- Electricity Supply
- Internet Connection



# Soft Infrastructure (3)

## Prospects:

- IT components becoming more affordable
- Mobile Device penetration to remote area
- IT Infrastructure installments by private industry becoming more realistic

# Digitalization

- Changing from analog data to digital data
- Analog data ?
  - Handwriting documents, manual typing, printed document, etc
  - Conventional map
  - Memorized data
- Digital data
  - Information stored in computer machine.

# Transport Telematics:

Easier,

Faster,

More accuracy,

Better Utilizing

Value of Information

# Transportation Telematics

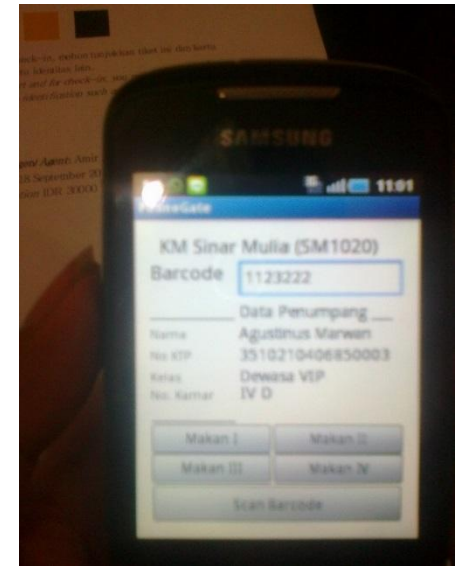
Vessel Information(type, capacity, etc..)

Vessel Schedule

Origin-Destination (Route)

Online ticket reservation

Emergency Transportation Call



# Location Based Services



# Location Based Service

About how the information delivered

Information given based on the user`s location

Generally consist of:

- Maps and Navigation
- Environment oriented weather information
- Schedule

# Creating Location Based Services

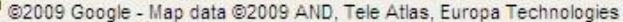
Easy

Library Open Source (openmap, open street view)

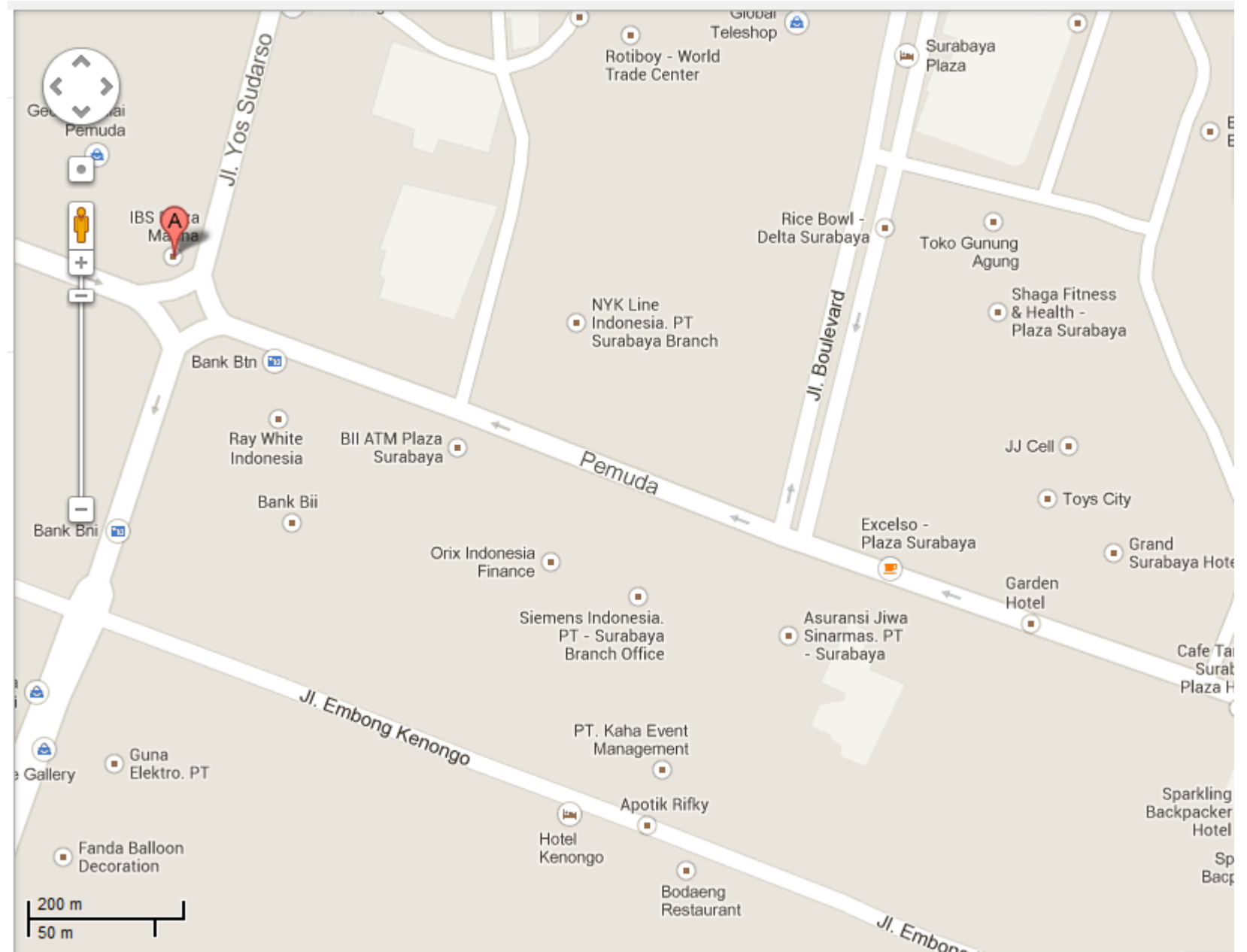
Google

Data

Human Resource



# Maps



# Digital Map

General service provider: Google, Nokia, Microsoft

Lack of digital map for Indonesia

Nokia Map for one Indonesia territory = 160Mb

Nokia Map for Berlin city (Germany) = 250Mb

Lack of information in digital map for Indonesia





Maratua, Kalimantan Timur, Indonesia

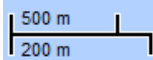


+Zainal



Satelit

Foto



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[Laporkan masalah](#)





Maldives



+Zainal



Dapatkan petunjuk arah

Tempatku



### 250 Hotels in Maldives

Lowest price guarantee!  
Book your Hotel in **Maldives** online  
[www.booking.com/Maldives-Hotels](http://www.booking.com/Maldives-Hotels)

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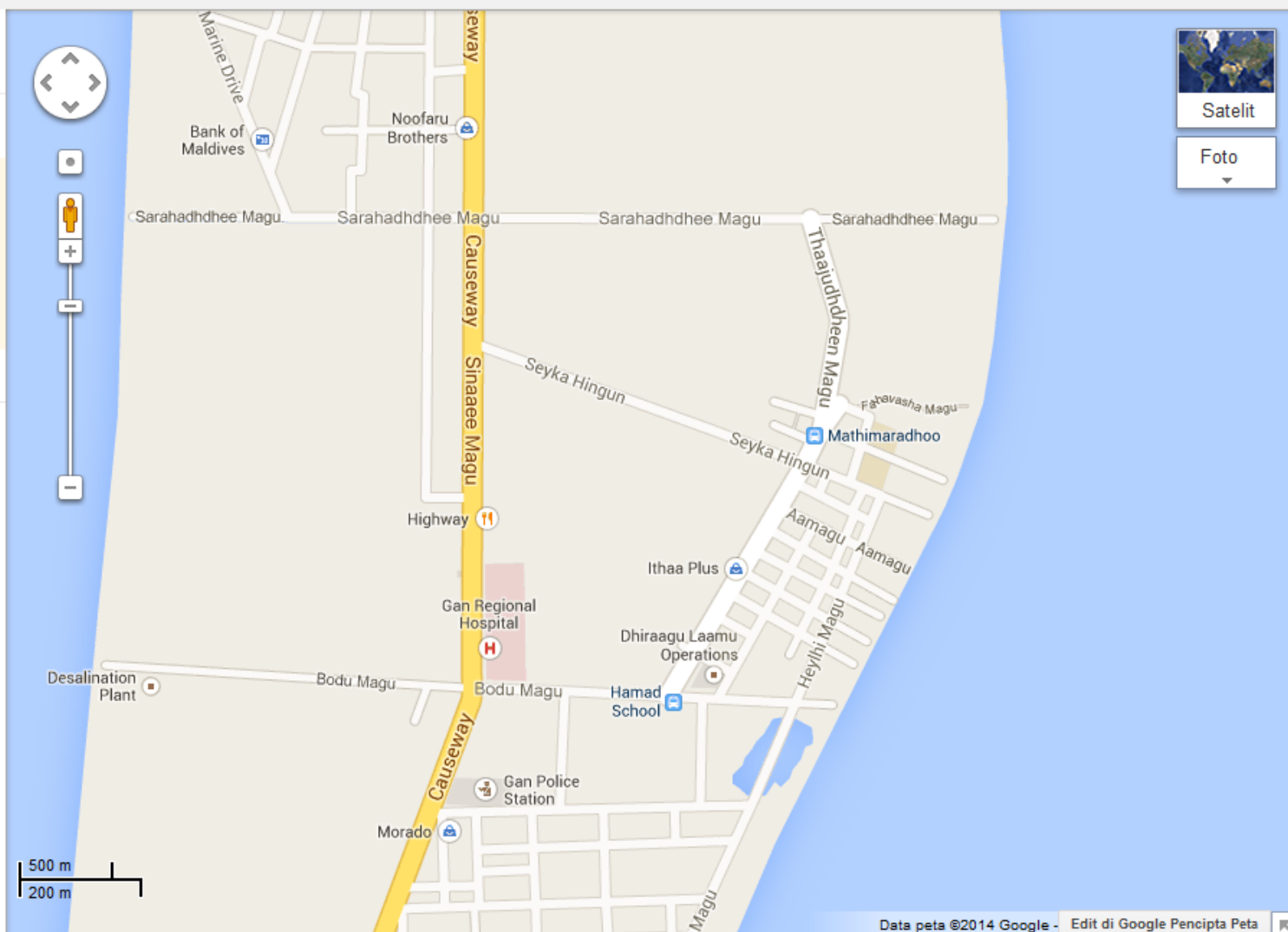


Satelit

Foto



500 m  
200 m





Maldives



+Zainal



Dapatkan petunjuk arah

Tempatku



### 250 Hotels in Maldives

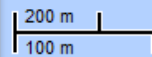
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Satelit

Foto



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# STREET VIEW

3D Information about an object

Streets

Tourism spot

Landscape

Objective: Creating “Live View” experience

Google Maps | Views

Explore ▾



Zainal Abidin, A



Street View

## East Gate

East Entrance to the Taj ([Source](#))

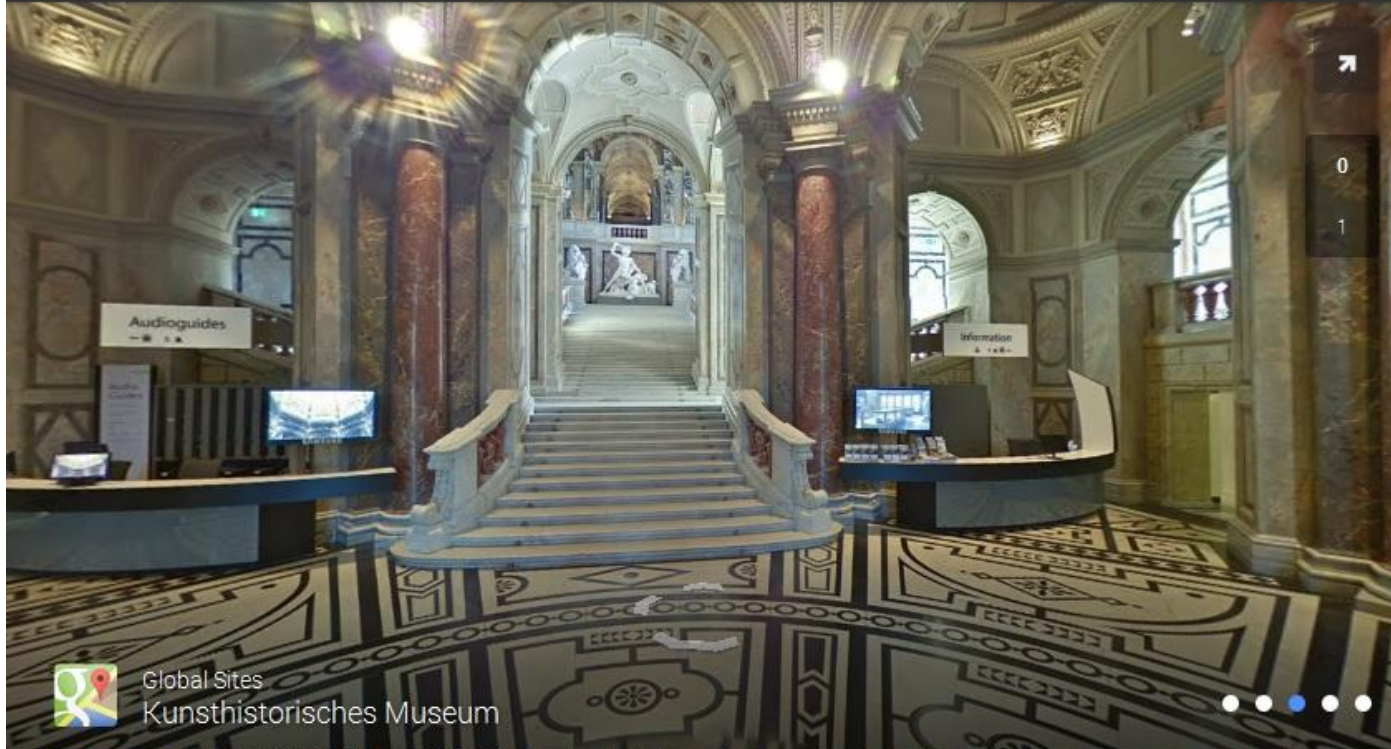
0

View on [Google Maps](#).[Back to Map](#)

Taj Mahal







Global Sites  
Kunsthistorisches Museum

## Street View

Explore natural wonders and famous landmarks with beautiful 360° panoramas.

[Browse Street View special collections](#)



Contribute to Google Maps with Photo Sphere.

[Learn more](#)

## Popular photo spheres



Preikestolen



Terrasse Dufferin



Casa Rosada - B...

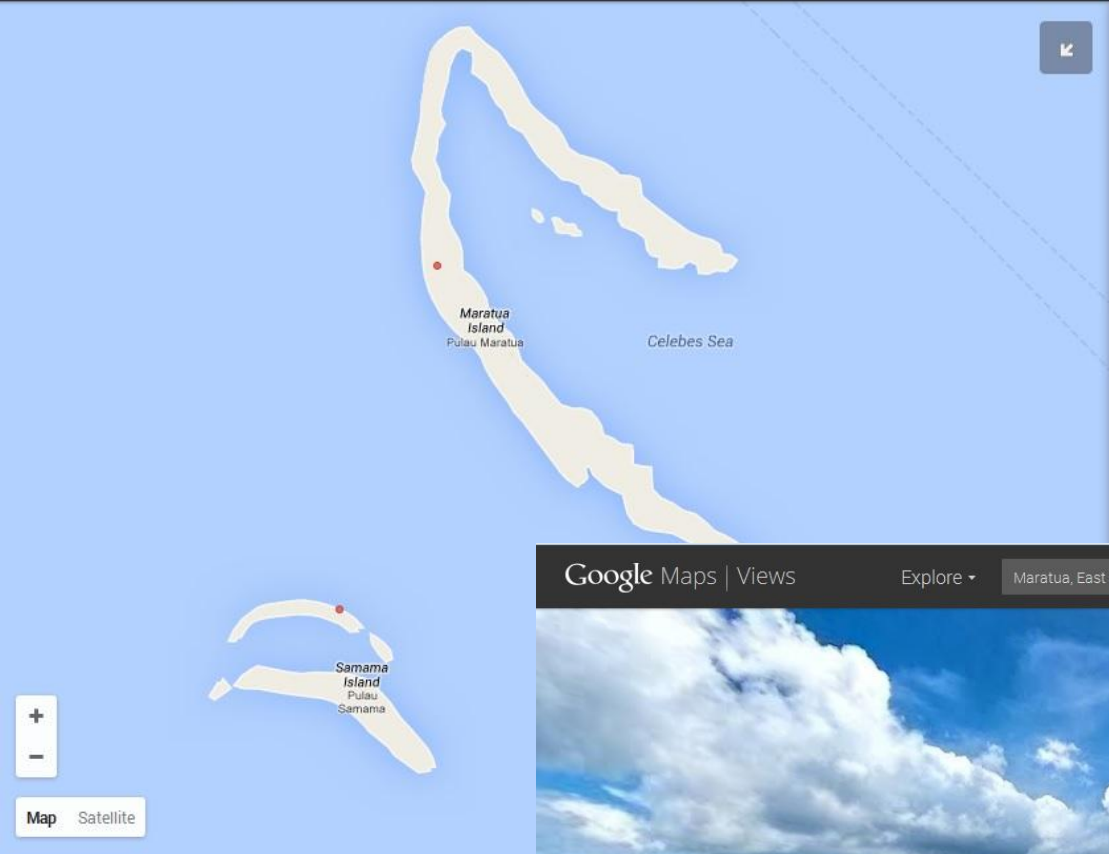


Фонтан и площ...



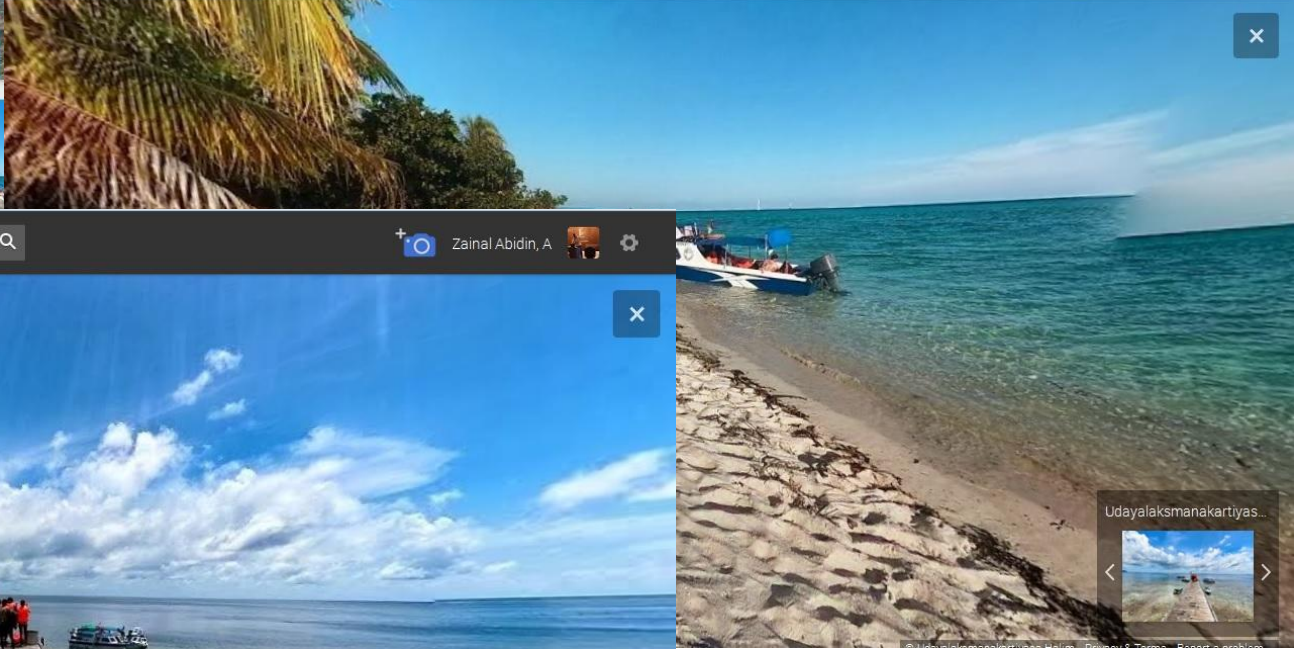
Walter Sisulu Na...





Top photographers

Popular photo spheres



Google Maps | Views

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Maratua, East Kalimantan

+

Zainal Abidin, A

Udayalaksmanakartiyasa Halim

Pulau Kakaban

Samama Island, Maratua Payung-Payung, Maratua, Berau, Indonesia

227 views

View on Google Maps

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Back to Map

Udayalaksmanakartiyas...

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Report a problem

# MockUp

