



**APRIL 11, 2017**

**Turn in late maps  
Take out stuff for notes  
Physical Geo of SE Asia**

# Southeast Asia



# Southeast Asia

## Major Regions:

- Continental
- Insular



# Southeast Asia

## ■ Maritime space

- Archipelago of about 25,000 islands.
- Plate tectonics:
  - Intense volcanism
- Most of the Southeast Asian part of the Eurasian plate was above water during the last Ice Age (up to 16,000 years ago).

Map circa approx. 25,000 BC- 14,000 BC



- Dry Land circa 25,000 BC- 14,000 BC
- Ocean circa 25,000 BC- 14,000 BC

Map circa 2,000 AD

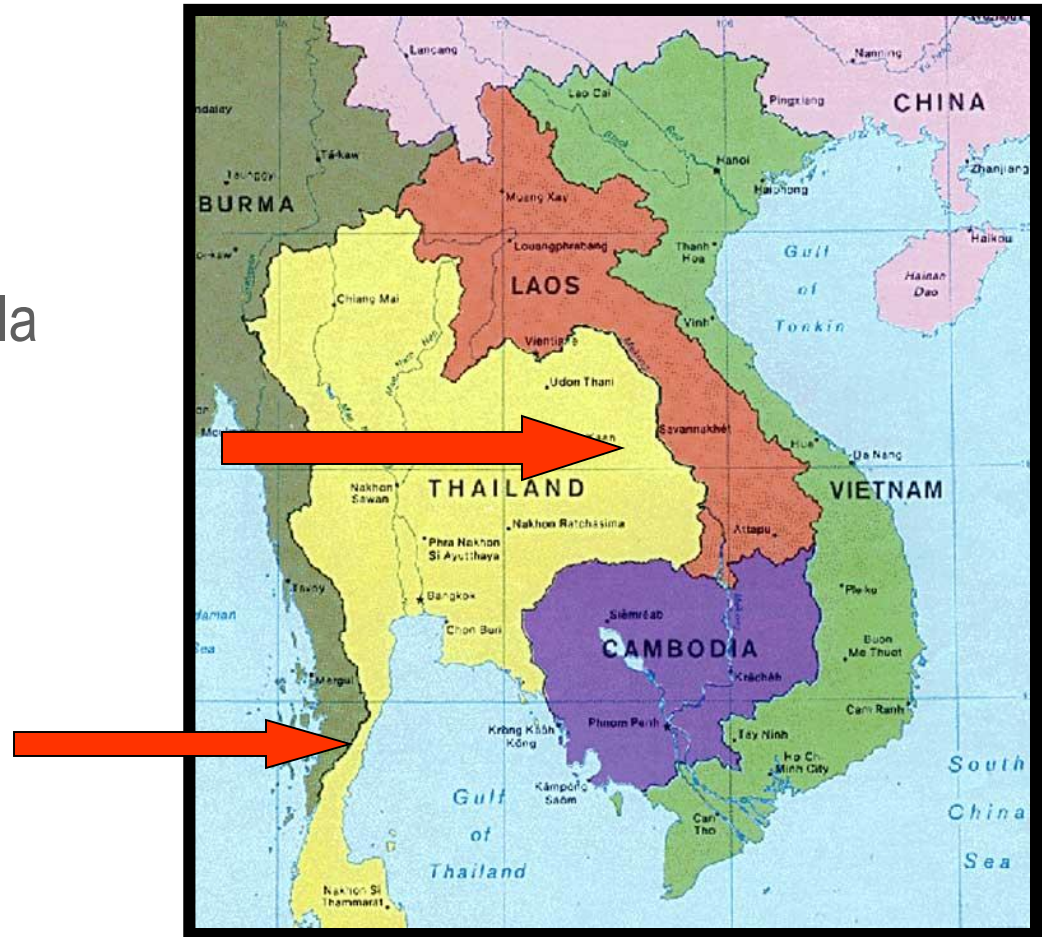


- Dry Land circa 2,000 AD
- Ocean circa 2,000 AD
- Submerged Lands circa 2,000 AD

# Peninsulas

## ■ Two Peninsulas

- Indochinese Peninsula
- Malay Peninsula



# Archipelagos



## Philippines

- 7,000 islands

## Indonesia

- Over 13,000 Islands

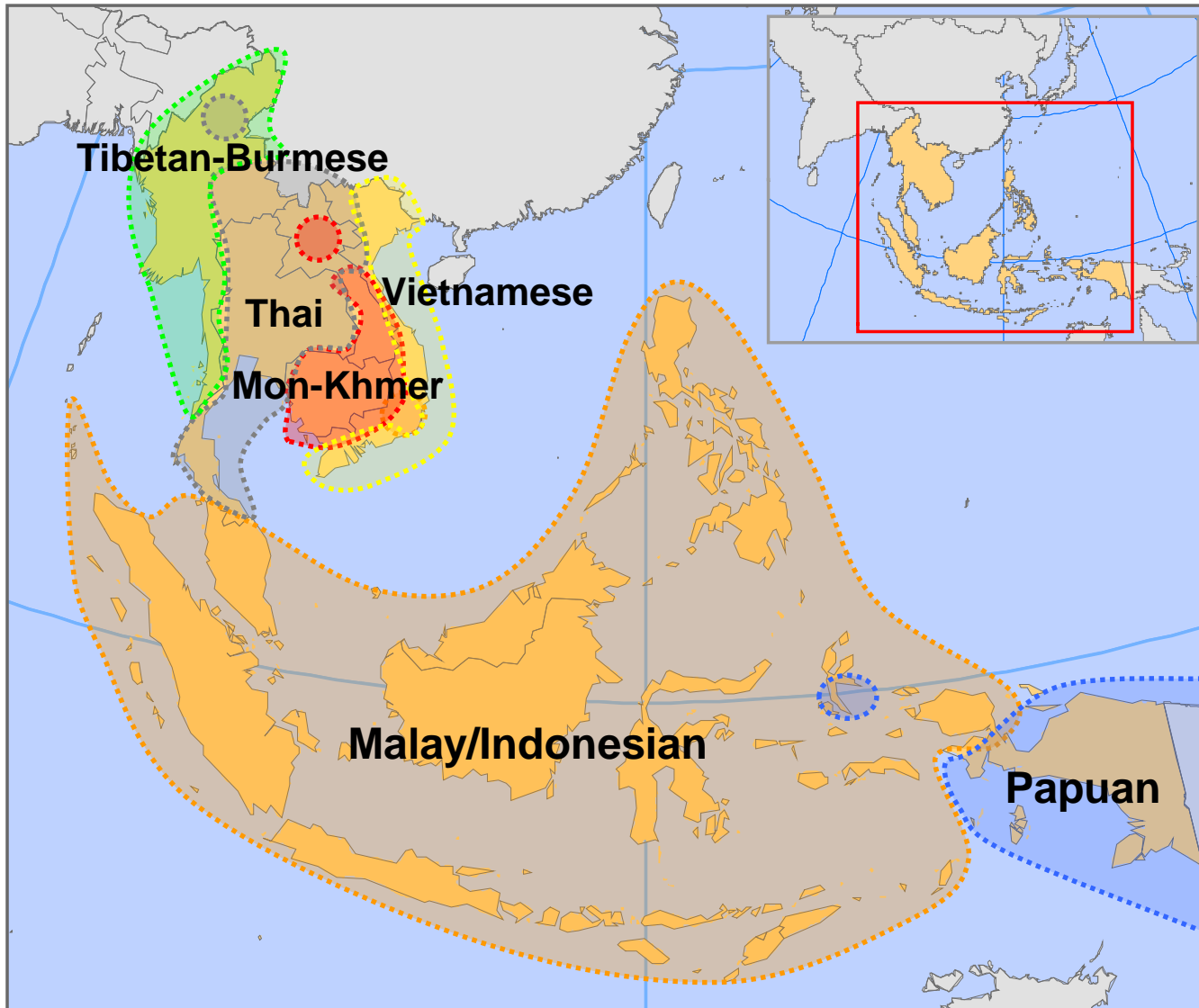
# Southeast Asia Issues

## ■ Cultural fragmentation

- complex ethnic, linguistic, and religious patterns
- Shatter Belt:
  - A state or group of states that are influenced by other larger states.
  - Often culturally, economically, and politically fragmented



# Major Ethnic Groups in Southeast Asia





# Ethnic Composition in Southeast Asia

Country	90%	80%	60%	40%	20%	10%	5%
Burma			Burmese				Karen Shan Chinese
Cambodia		Khmer					Vietnamese
Indonesia			Javanese			Sudanese	Madurese Chinese
Laos			Lao Loum		Lao Theung	Lao Sung	
Malaysia			Malay		Chinese		Indian
Philippines					Cebuano Tagalog	Iloko Panay- Hiligaynon	Bikol Bisaya Chinese
Singapore			Chinese			Malay	Indian
Thailand		Thai					Chinese
Vietnam		Vietnamese					Lao Montagnard Chinese

# The Southeast Asian Realm



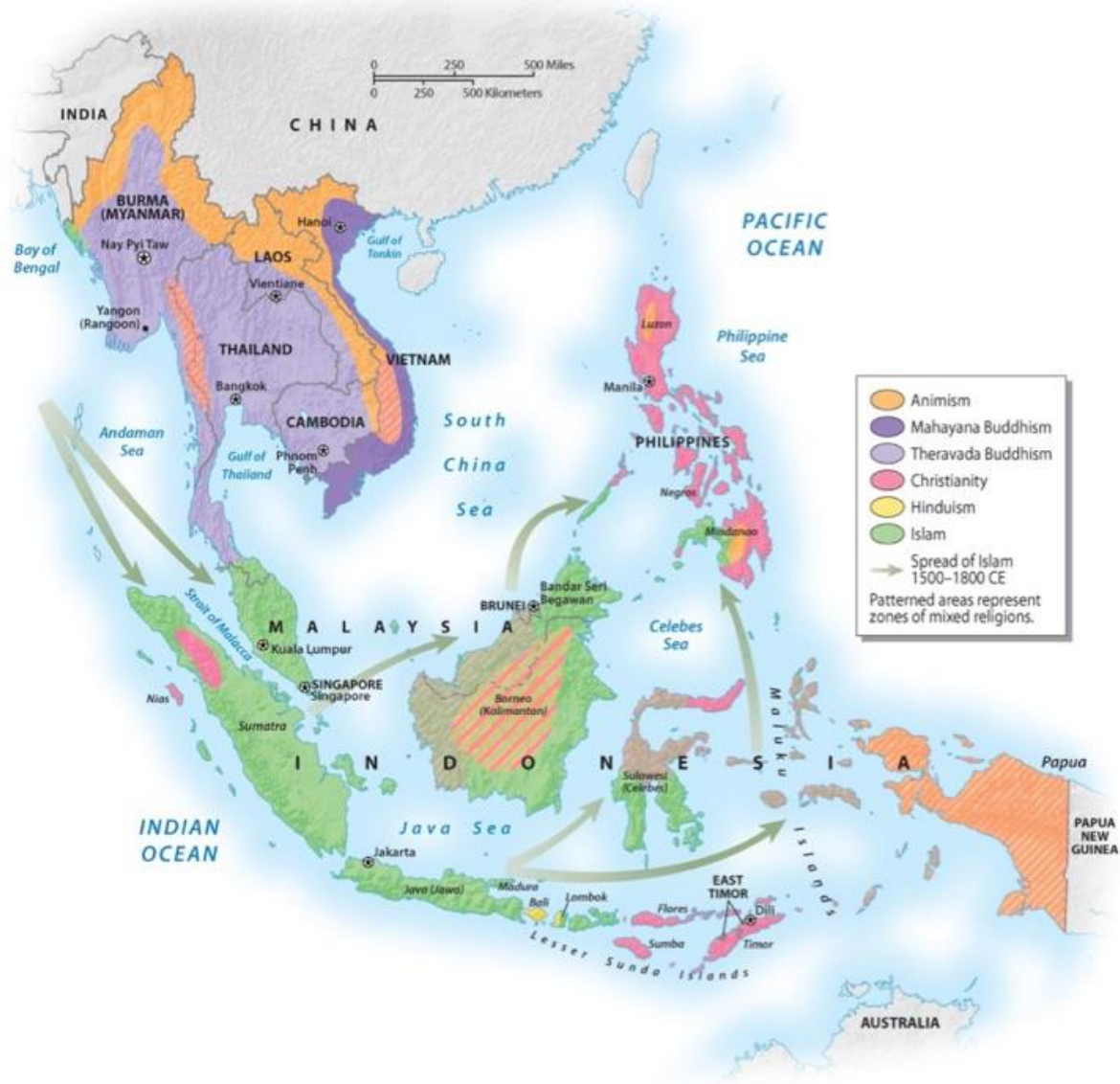
## ■ A zone of interaction

- Multicultural
  - Malay-Indonesian dominance

## ■ External influences

- Historically stronger than internal influences.
- China brought civilization and technology (early history).
- India brought religion (Hinduism and Buddhism).
- Middle Eastern countries brought Islam and trade.
- Europe brought trade and colonialism.
- USA and Japan brought imperialism (at different levels):
  - Recently brought trade and development.

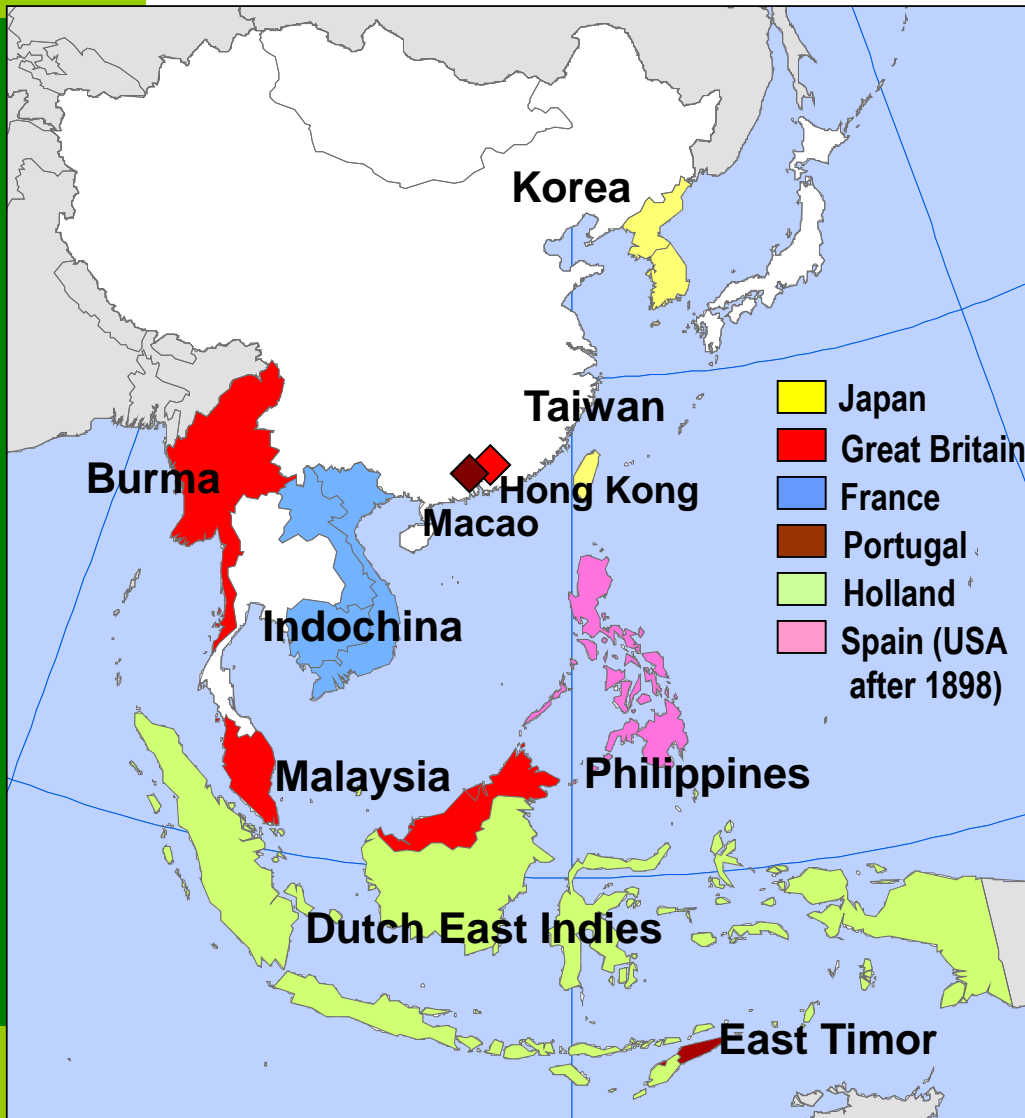
# Religions of SE Asia



# Colonial Territories in Pacific Asia by 1900

## INDOCHINA

- Hint at the strong historical Chinese and Indian influence.
- Notably refers to the former French colonies of Vietnam, Cambodia and Laos.



# The Southeast Asian Realm

## ■ Southeast Asian Problems

- Straining resources such as petroleum and lumber:
  - Destruction of the tropical forest.
  - Over fishing and coral reefs.
- Pursuing economic integration policy (ASEAN):
  - Promote regional security issues; later concerned economic issues.
  - Common market by 2008.
  - Tariffs to be cut to 5% or less.
  - <https://www.youtube.com/watch?v=5FII3bxwLdw>
- Ethnic problems (Indonesia, Philippines, Malaysia).

# Indonesia's Geographic Challenges

[https://www.youtube.com/watch?v=c1UaaZ\\_CPIM&index=4&list=PLCqRplze6FLWciMbiLGAcyTP7USg8qLb\\_](https://www.youtube.com/watch?v=c1UaaZ_CPIM&index=4&list=PLCqRplze6FLWciMbiLGAcyTP7USg8qLb_)

# Insular Southeast Asia: Indonesia

## ■ Regional setting

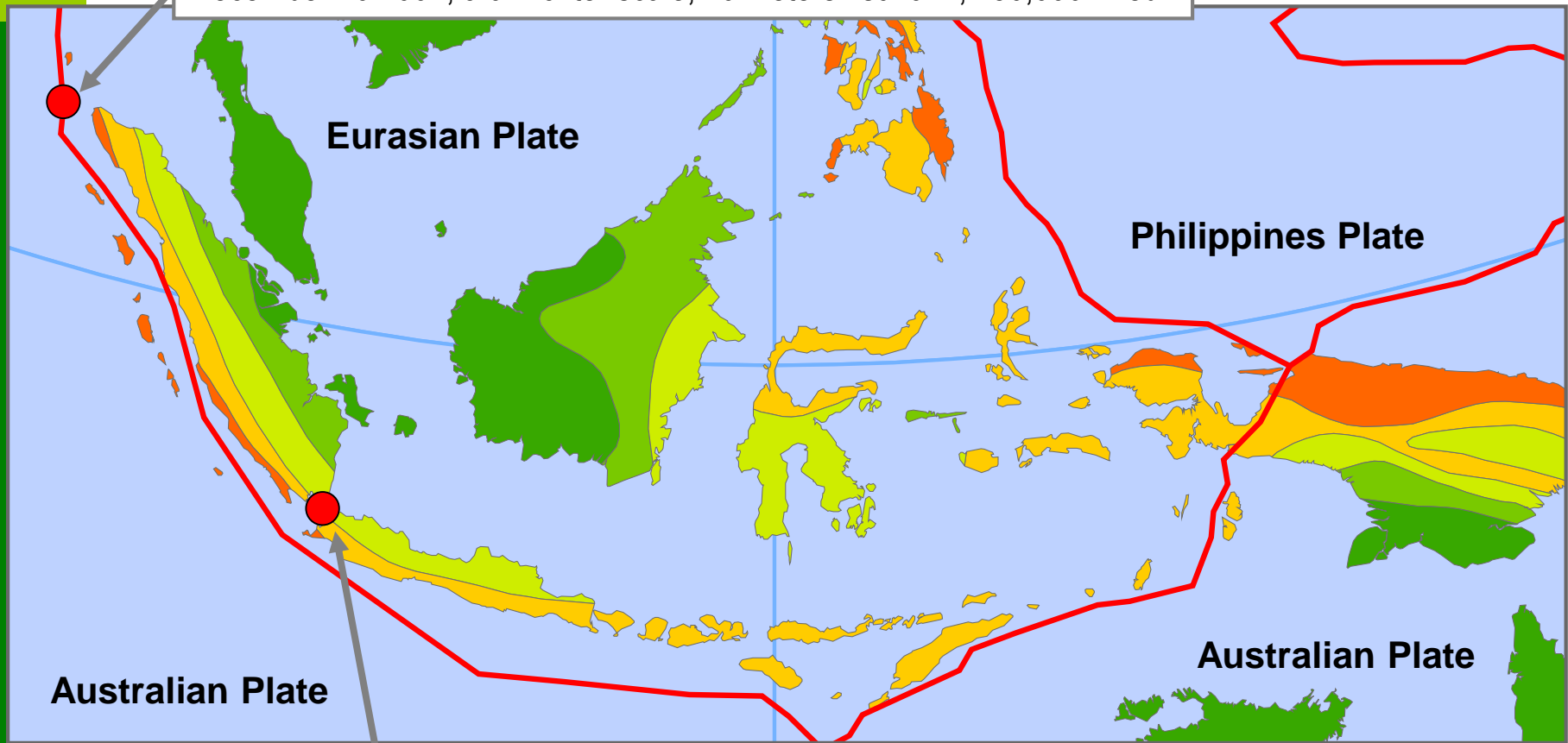
- From the Greek *Indos* (India) and *Nesos* (Island), literally the “Indian Islands.”
- 17,000 islands:
  - About 6,000 inhabited.
  - Longest coastline in the world .
- Controls two strategic straits:
  - Sunda and Malacca.
  - Through which much of the world’s oil traffic must pass.

## ■ Volcanism

- Intense volcanic and seismic activity.
- 300 volcanoes of which 200 have been historically active.

# Tectonic Activity in Indonesia

December 26 2004; 9.0 Richter scale; 10 meters Tsunami; 250,000 killed.



Krakatau

Exploded in 1883; Largest volcanic eruption in known history.

Explosion heard at 3,000 miles; 20 cubic kilometers of rock into the atmosphere.

Tsunami drowned 34,000 people and ashes burned to death 2,000 people.

30 meters waves that traveled 8,000 miles.



# Boxing Day Tsunami December 26, 2004

IKONOS - January 10, 2003 - PRE-DISASTER IMAGE



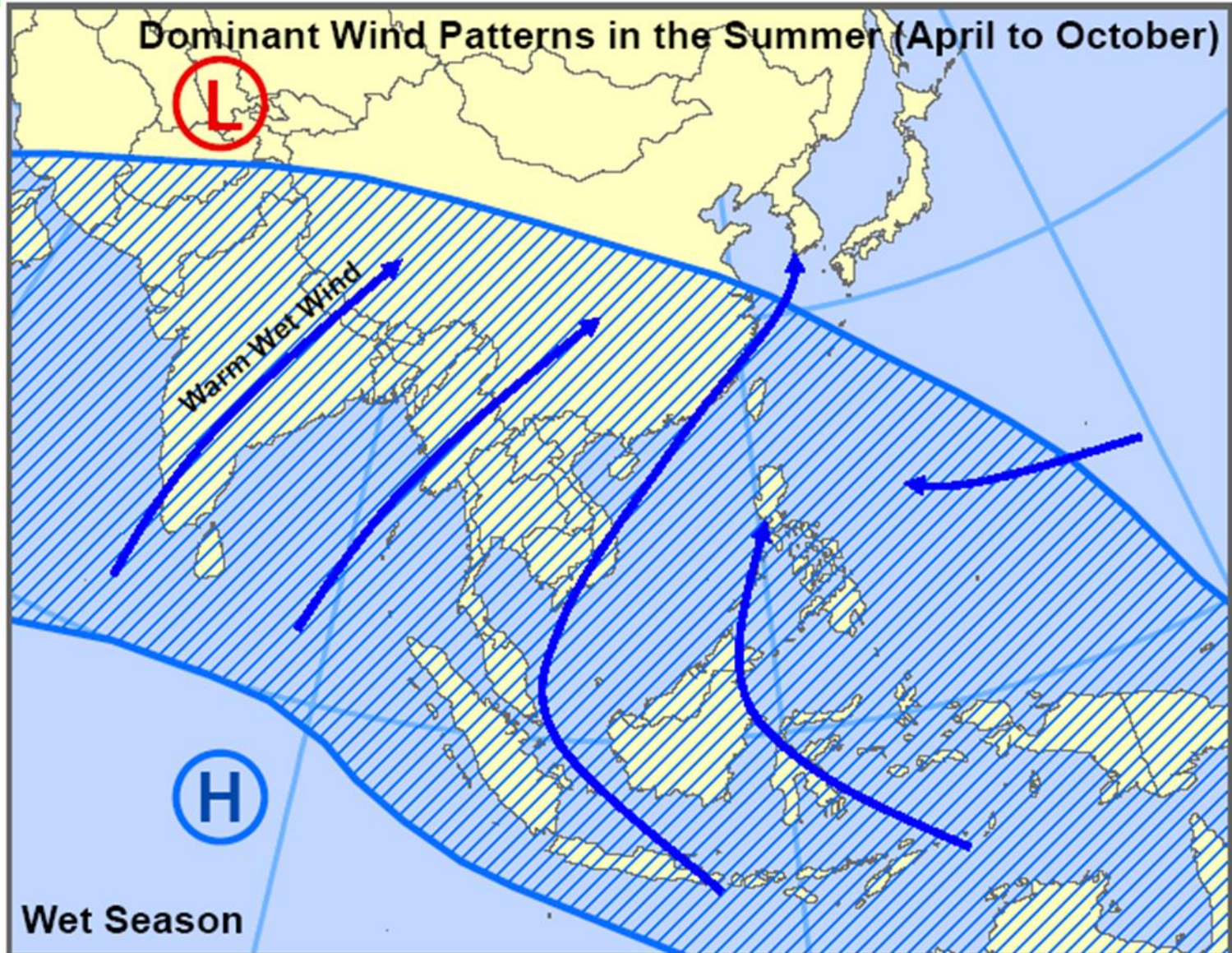
IKONOS - December 29, 2004 - POST-DISASTER IMAGE



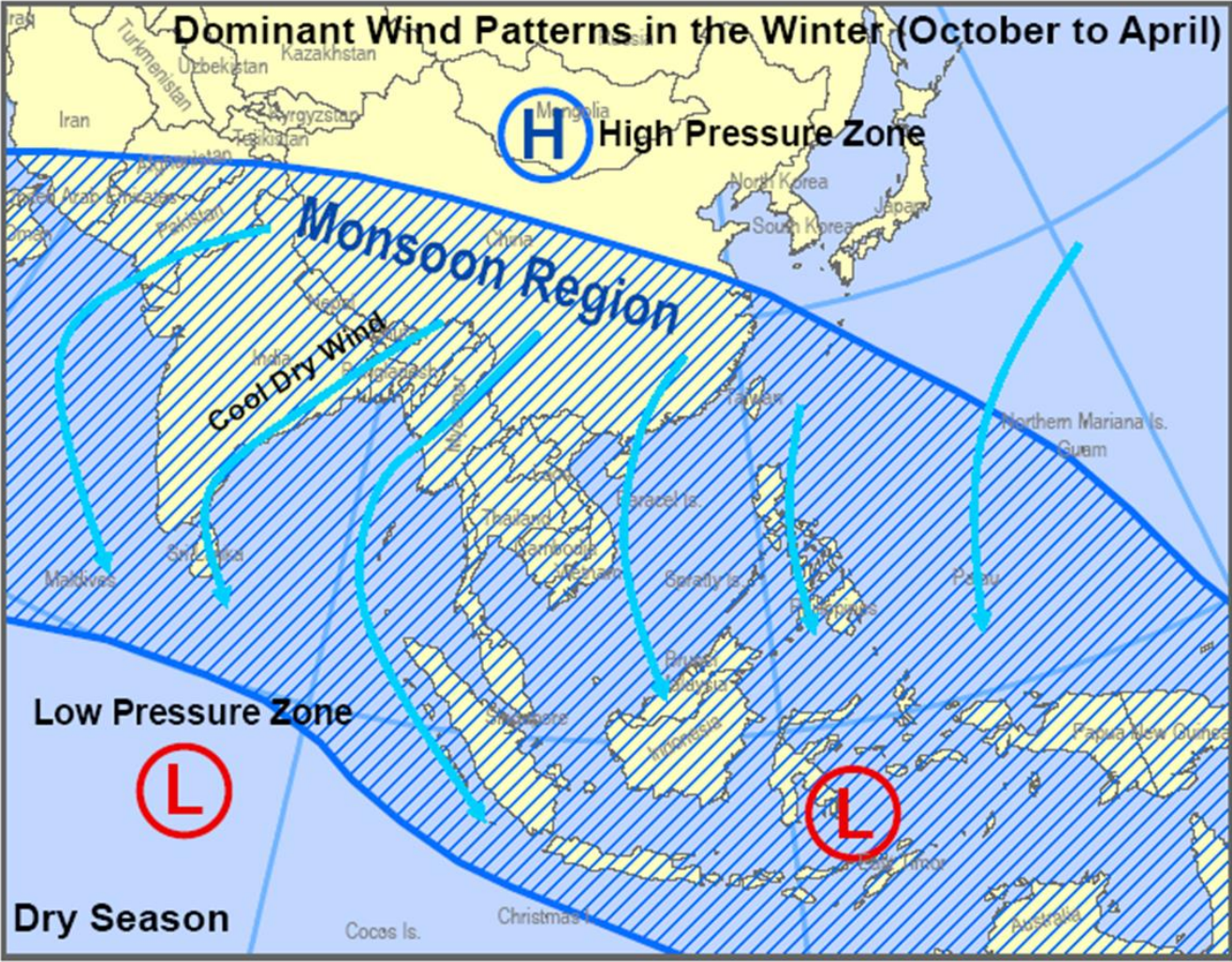
# December 2004 Tsunami



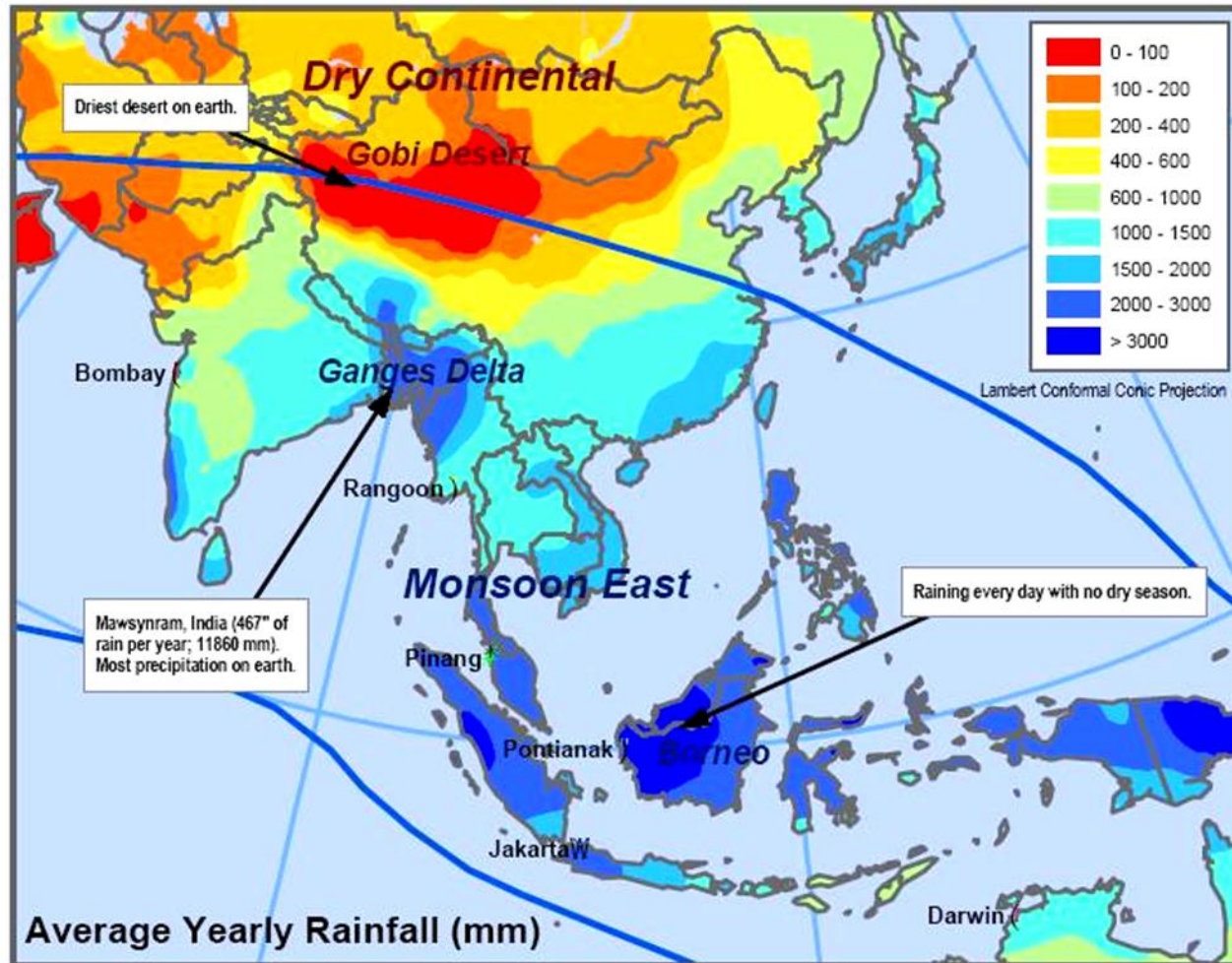
# Summer Monsoons



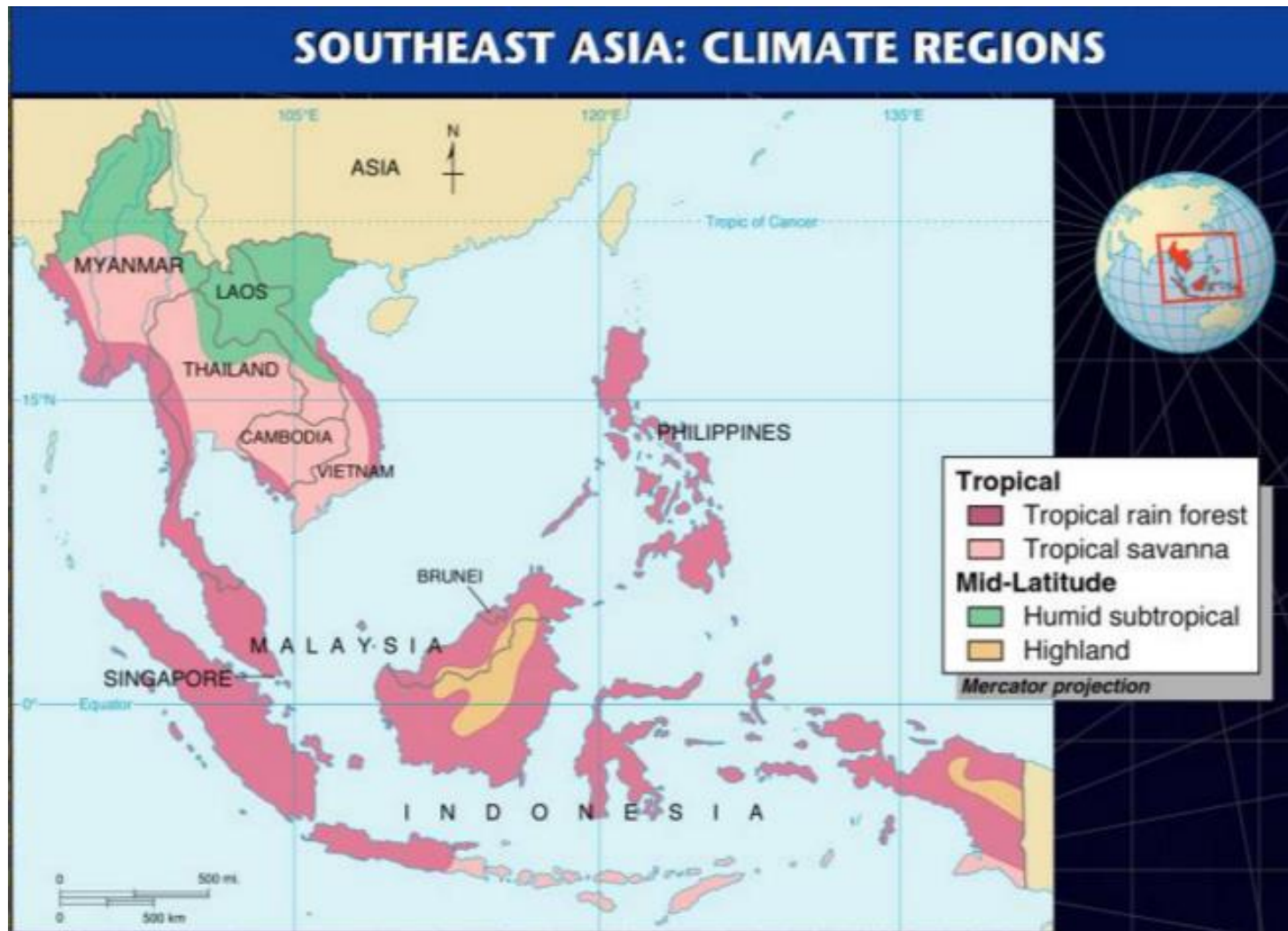
# Winter Monsoons



# Rainfall Patterns



# Climate



# Rivers

## ■ Rivers:

- Mekong River
  - Begins in China and crosses several Southeast Asian nations
  - Forms a boundary between Myanmar and Laos and between Laos and Thailand



# Rivers

## ■ Rivers:

- Irrawaddy River
  - Begins in Himalayas
  - Flows through Myanmar





# Straits of Malacca

- Important shipping channel
- Connects Indian Ocean with Pacific Ocean
- Malaysia, Indonesia and Singapore along it



# Malaysia's Geographic Challenge

<https://www.youtube.com/watch?v=rHI1f9DQblg&list=PLD985DC24042D71ED&index=4>

# Singapore

- One of the highest GDPs in the world
- One of the most expensive cities

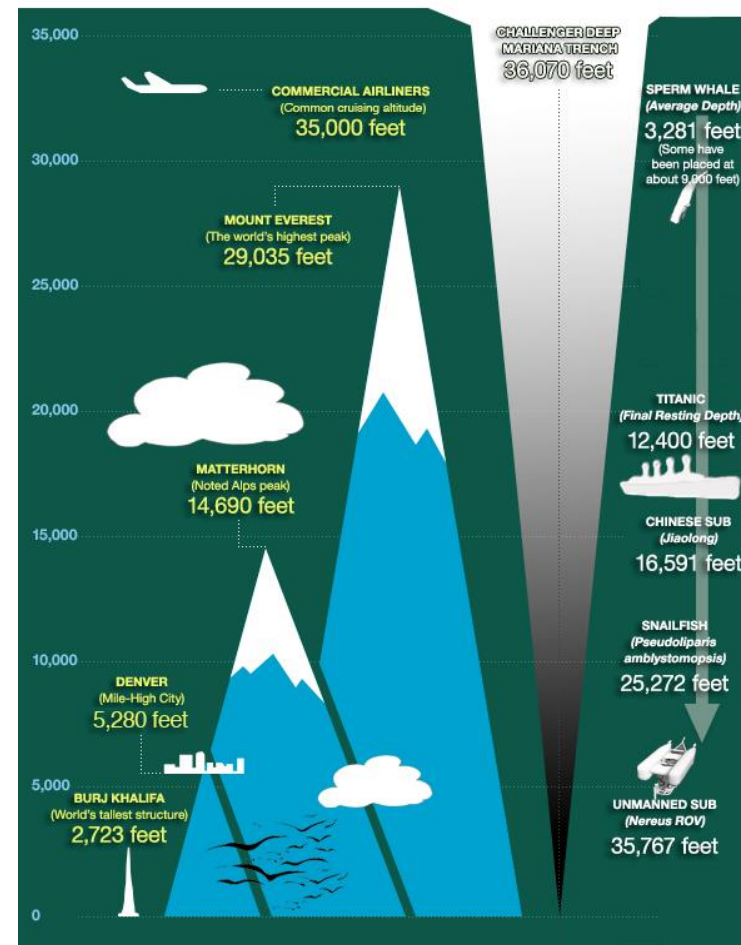
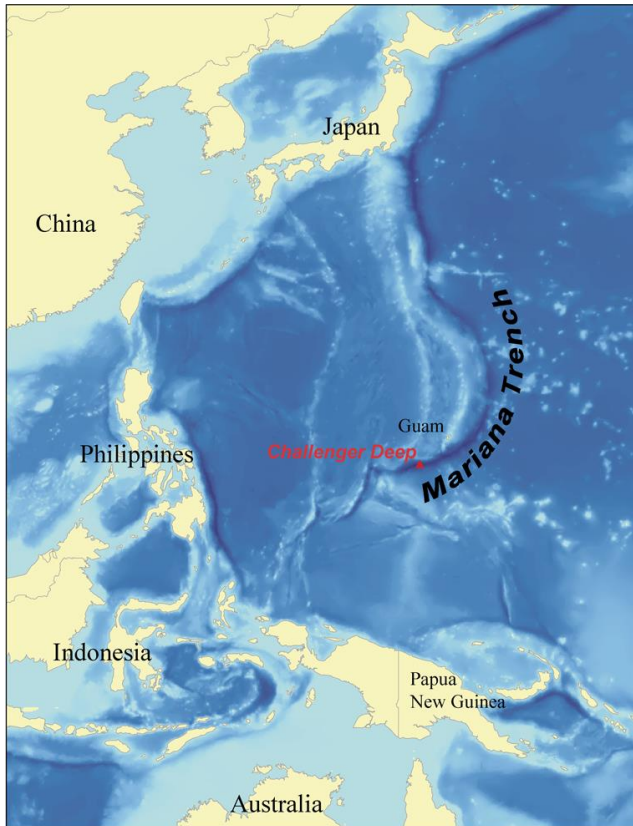


# Singapore Video

- [https://www.youtube.com/watch?v=TXQv7F\\_V6bc&t=2](https://www.youtube.com/watch?v=TXQv7F_V6bc&t=2)  
1s

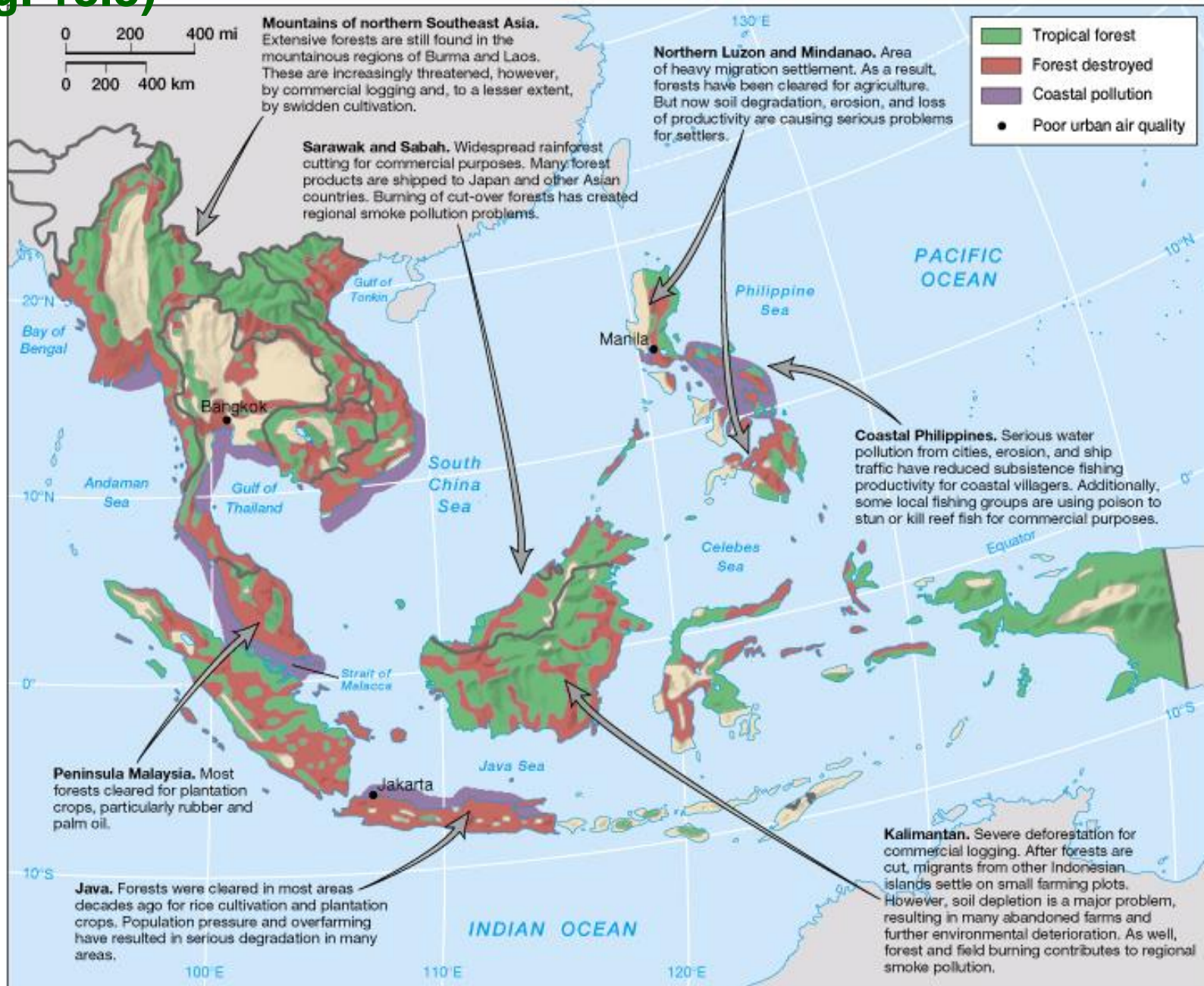
# Marianas Trench

- **Deepest place in the world**
  - 36,000 ft deep



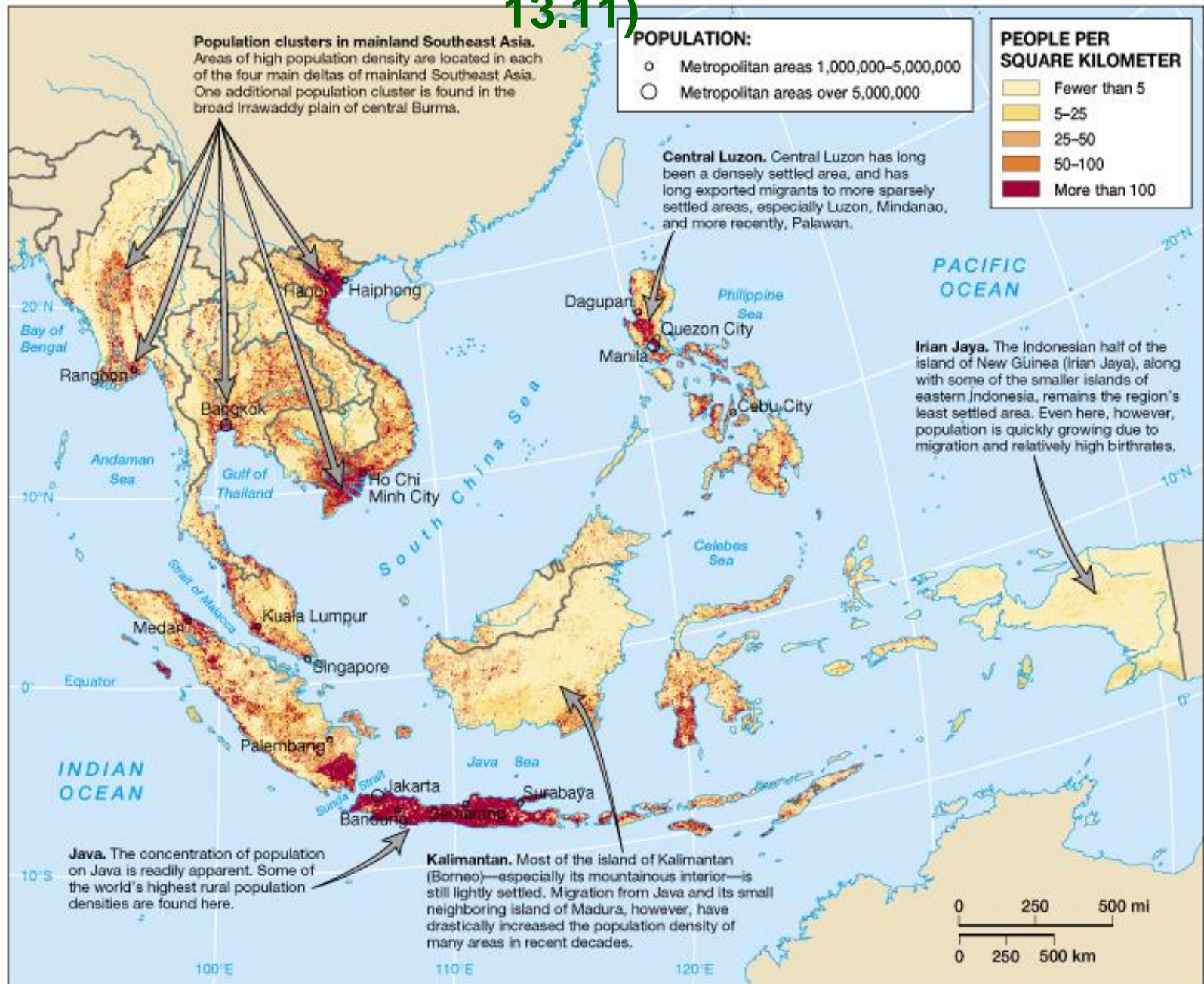
# Environmental Issues in Southeast Asia

(Fig. 13.3)



# Population Map of Southeast Asia (Fig. 13.11)

13.11



# Vietnam's Geographic Challenge

<https://www.youtube.com/watch?v=Vw2yRTfGYgw&list=PLD985DC24042D71ED&index=7>