

Biogeography. Lecture 34

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May 5, 2014



Outline

Biogeography of the World

Biogeography of Indo-Pacific region

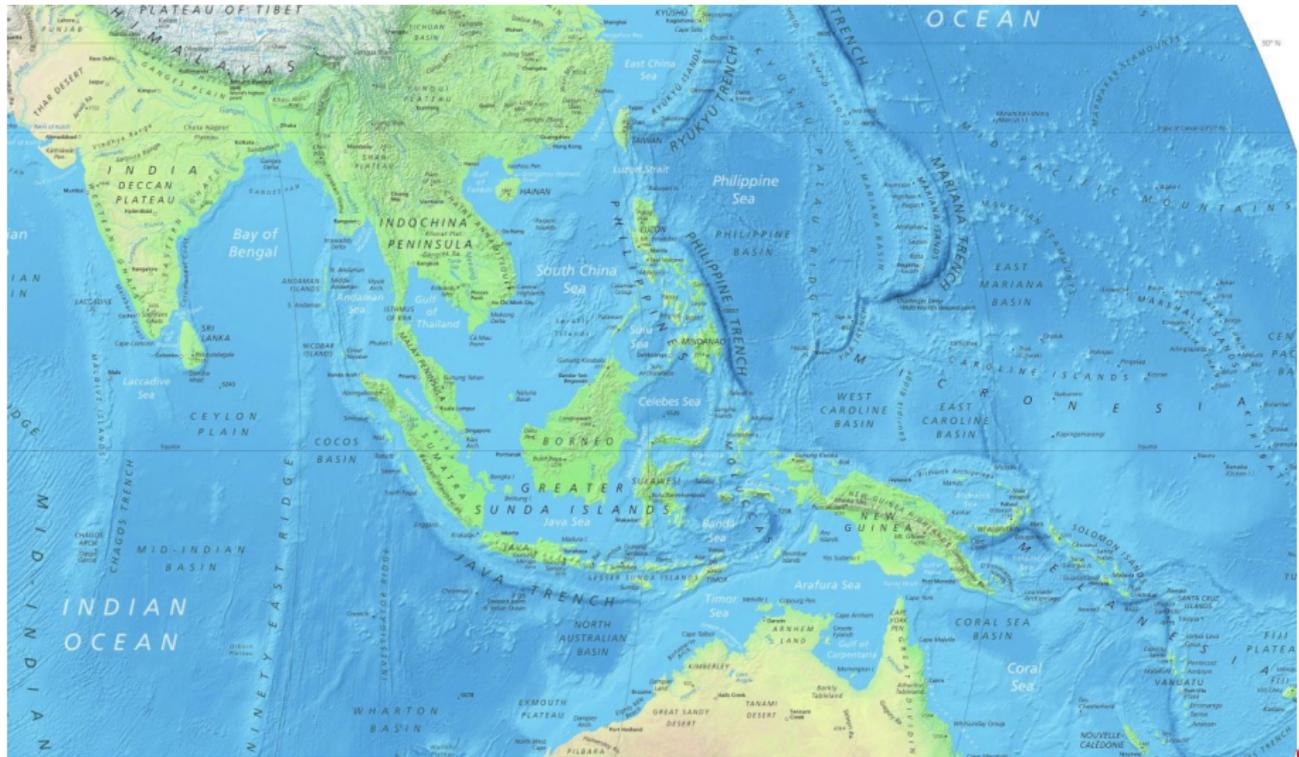


Biogeography of the World

Biogeography of Indo-Pacific region



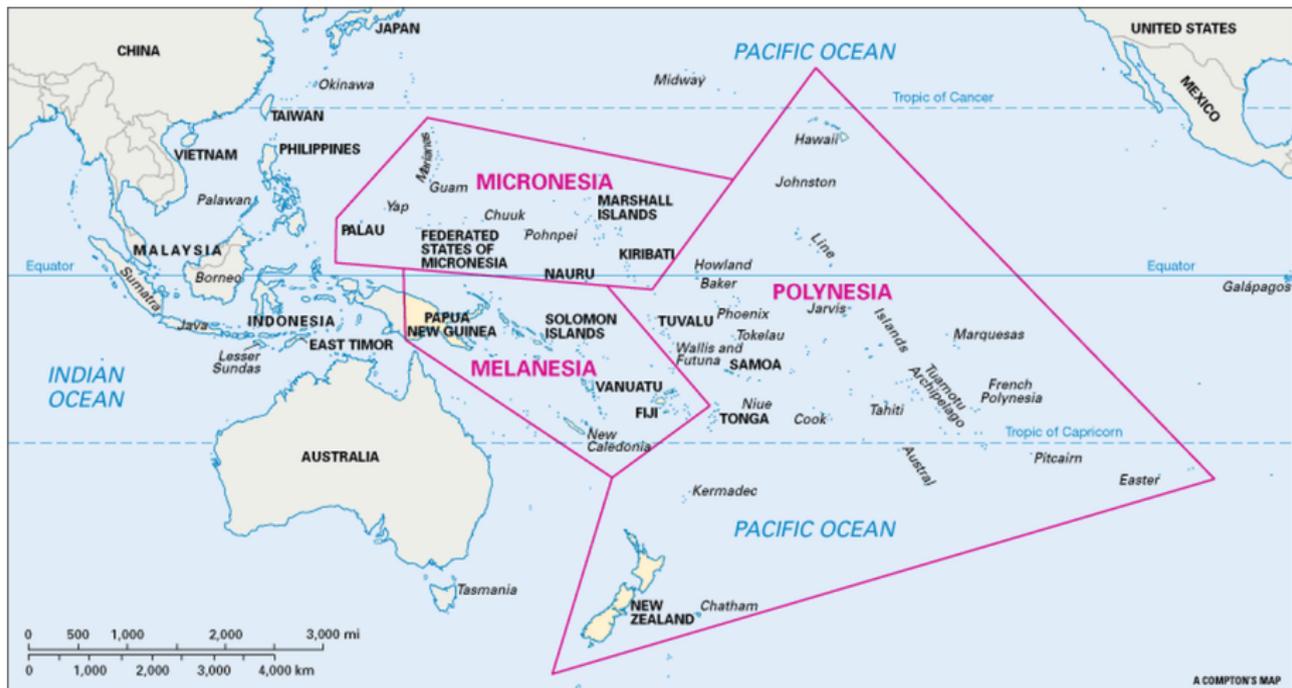
Western Indo-Pacific



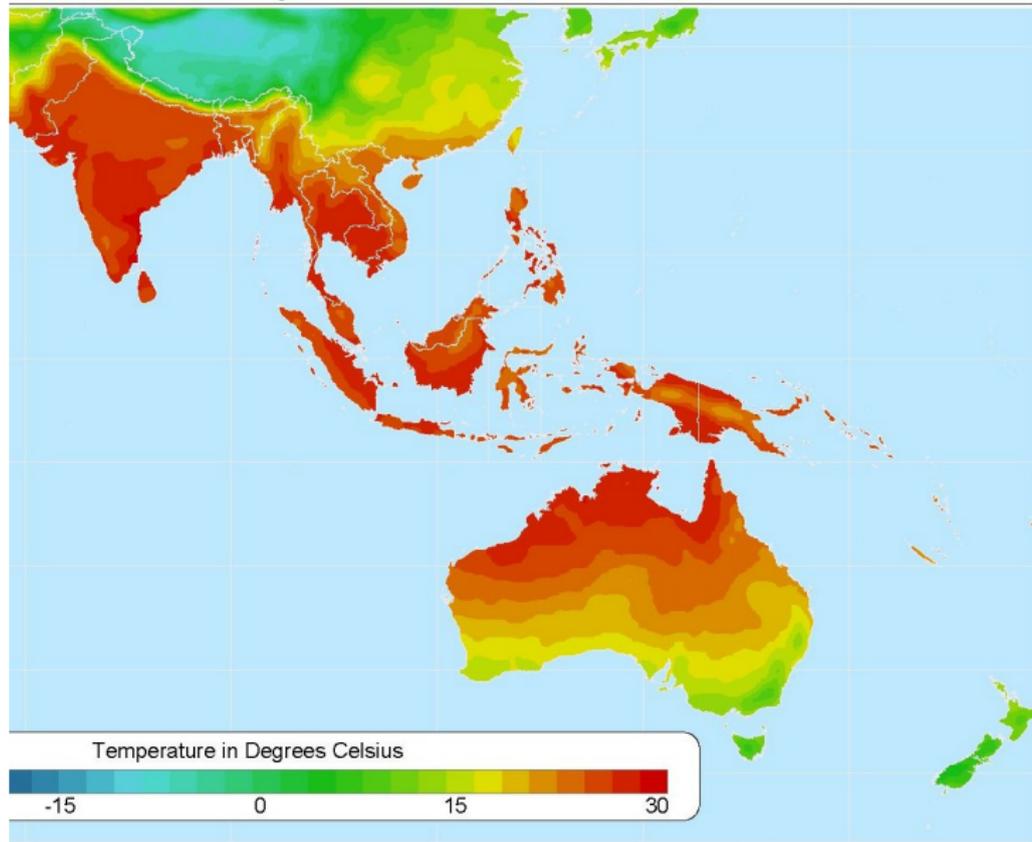
Eastern Indo-Pacific



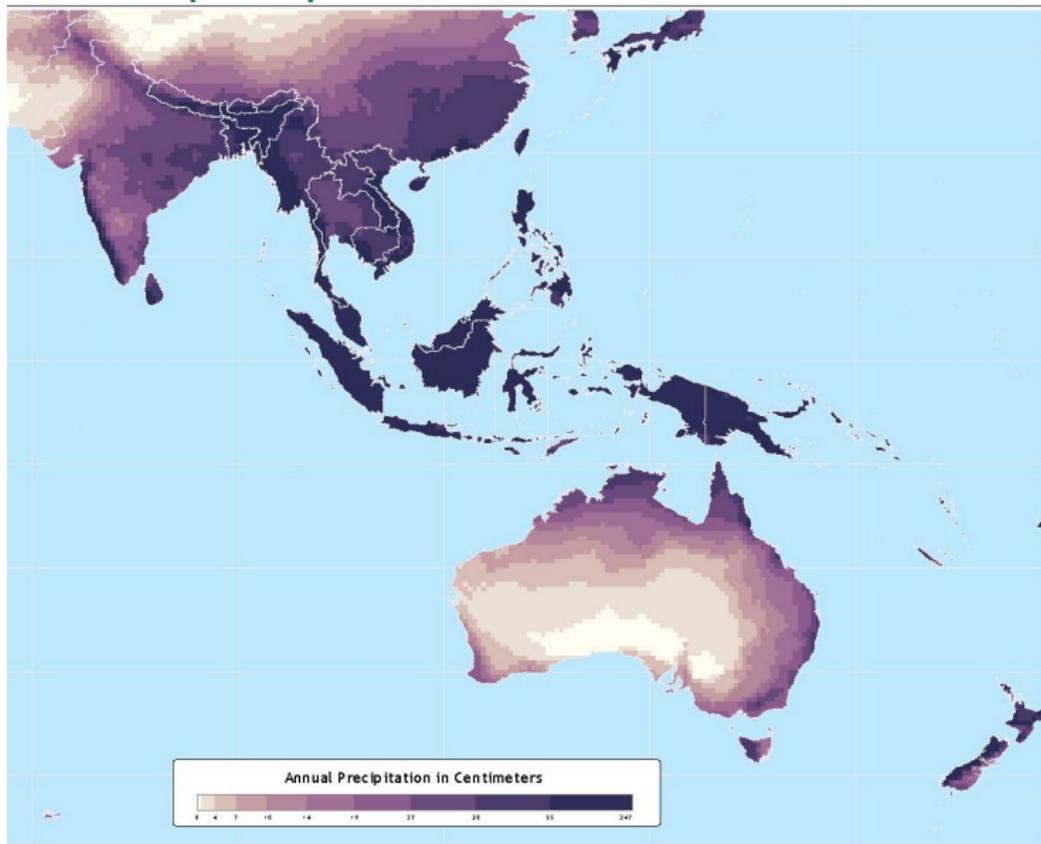
Oceania cultures



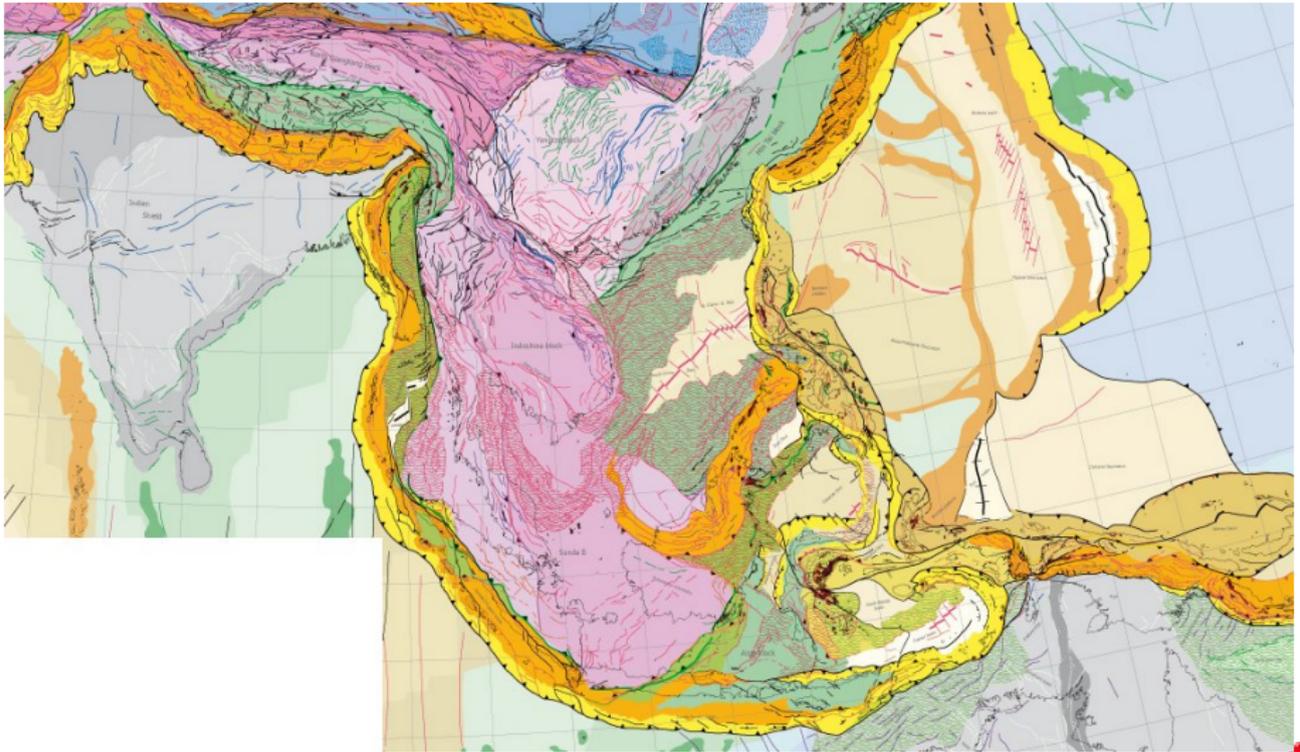
Indo-Pacific: temperatures



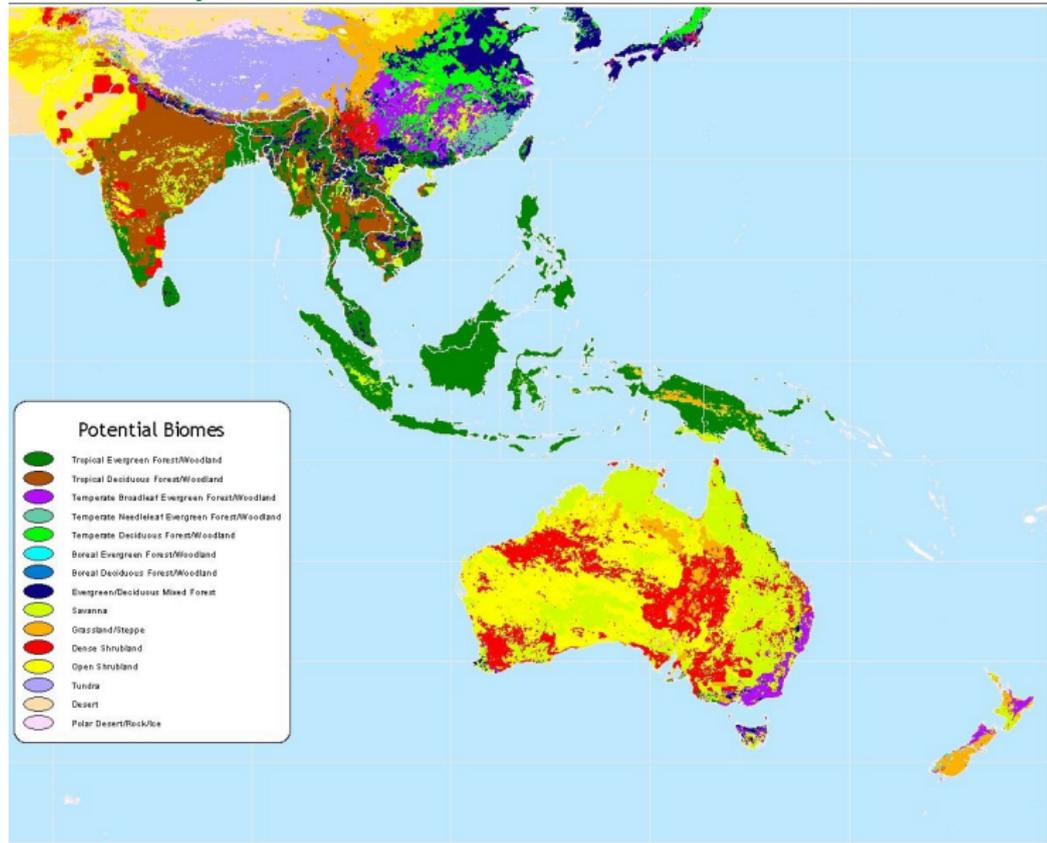
Indo-Pacific: precipitation



Indo-Pacific geology: the “giant puzzle”



Indo-Pacific: potential biomes



Indo-Pacific: biogeographical regions and Wallace line



8

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1



Indo-Pacific: 8 biogeographical regions

1. North India
2. Deccan Plateau and South India
3. Indochina
4. Malay archipelago
5. Wallacea
6. New Guinea and Melanesia
7. Coral Pacific Islands
8. Volcanic Pacific Islands



Indo-Pacific regions: key features

1. **North India:** Asian lions (*Panthera leo persica*) and tigers (*Panthera tigris*)
2. **Deccan Plateau and South India:** the most “African” fauna outside of Africa, e.g., Asian elephant (*Elephas maximus*), Indian rhinoceros (*Rhinoceros unicornis*) and multiple species of antelopes like gazelles (*Gazella gazella*); also, many “true” Asian elements like king cobra (*Ophiophagus hannah*), the largest venomous snake



Summary for Indo-Pacific

- ▶ Geological “puzzle”, region with extremely complex history
- ▶ Humid and rich
- ▶ Numerous borders (like Wallace line) and connections (like Madagascar / Indonesia disjunctions)



For Further Reading



A. Shipunov.

Biogeography [Electronic resource].

2014—onwards.

Mode of access:

http://ashipunov.info/shipunov/school/biol_330



South Asia.

http://en.wikipedia.org/wiki/South_Asia



Southeast Asia.

http://en.wikipedia.org/wiki/Southeast_Asia



Oceania.

<http://en.wikipedia.org/wiki/Oceania>

