

China's Sea Routes

New Silk Roads



**Geopolitical – Economic – Trade Expansion
in the 21st Century**

CHINA's Geography

CHINA
0 km 200 400 600 km
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- National Capital (11,510,000 in 2000)
 - over 10,000,000
 - over 6,000,000
 - over 2,500,000
 - over 1,000,000
 - other main city
 - other city
 - Capital of autonomous region
 - Capital of province
 - Government-controlled municipality
 - Special administrative region
- Shanghai
Hong Kong



China's Vision: Access to resources & markets



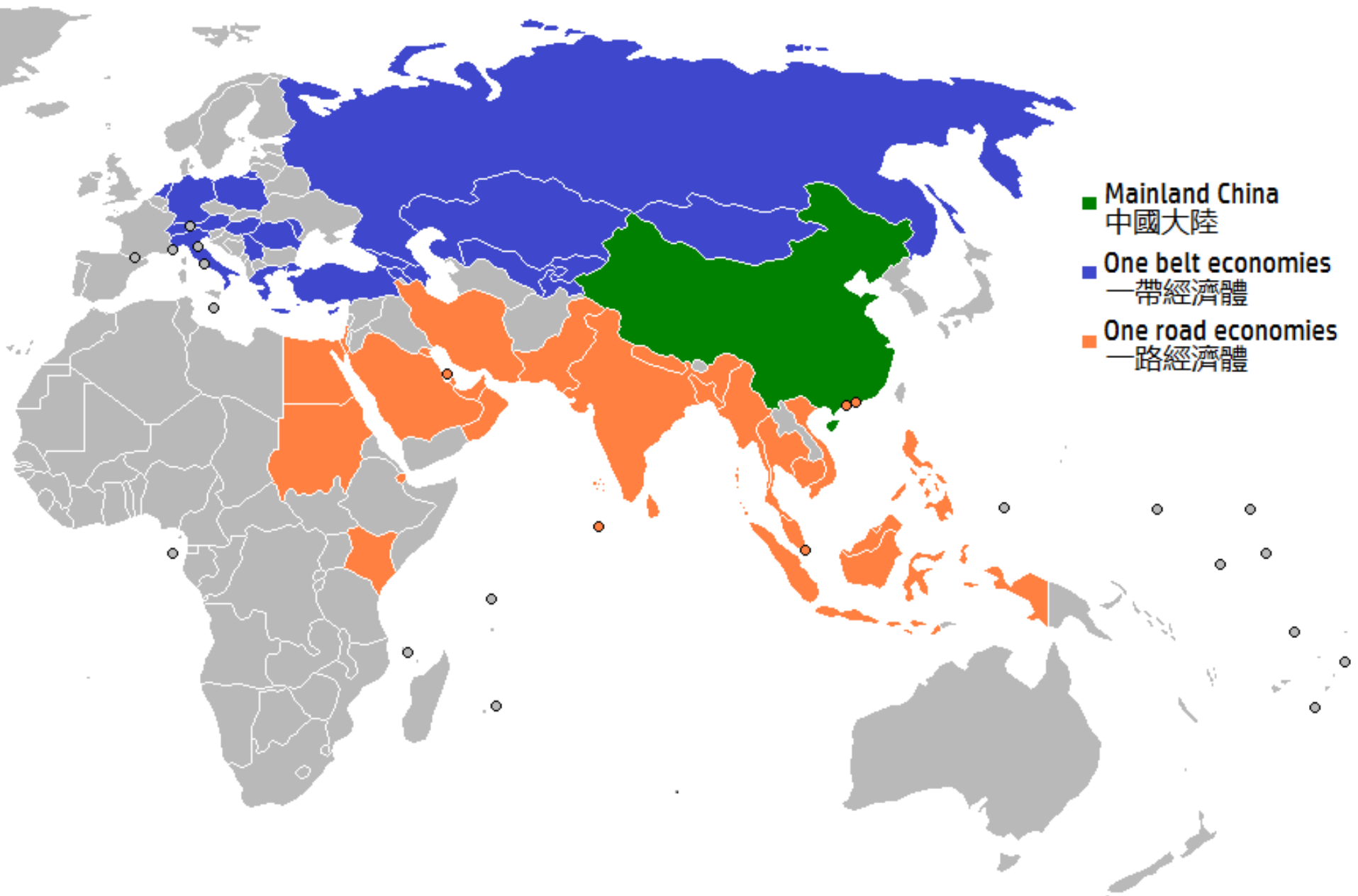
China's Mission: Easy access to Land & Sea routes



China's Land & Sea Expansion (6A-A+E)



Land Collaborators - Silk Roads



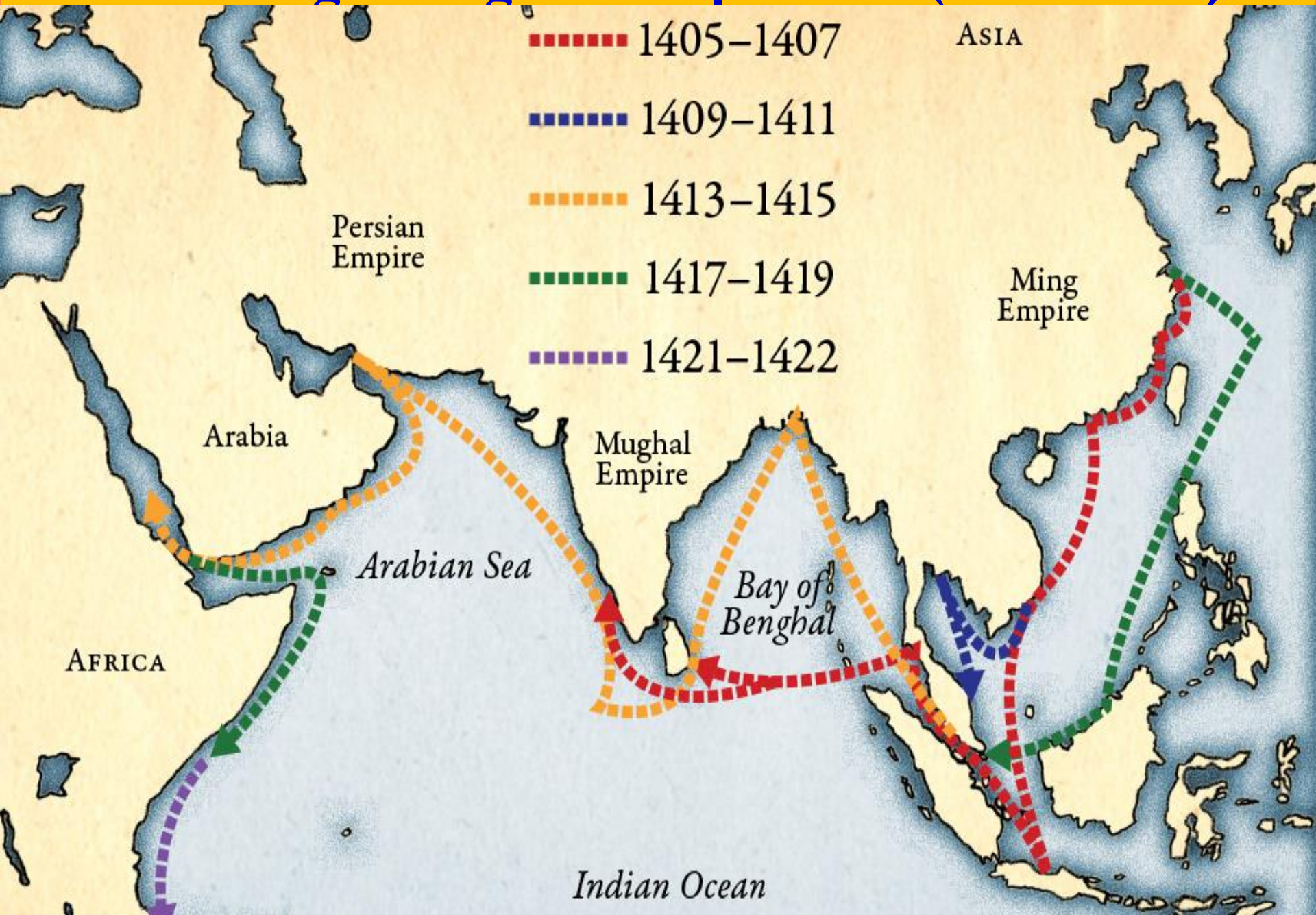
Sea Routes to 5A+E

To cap it all

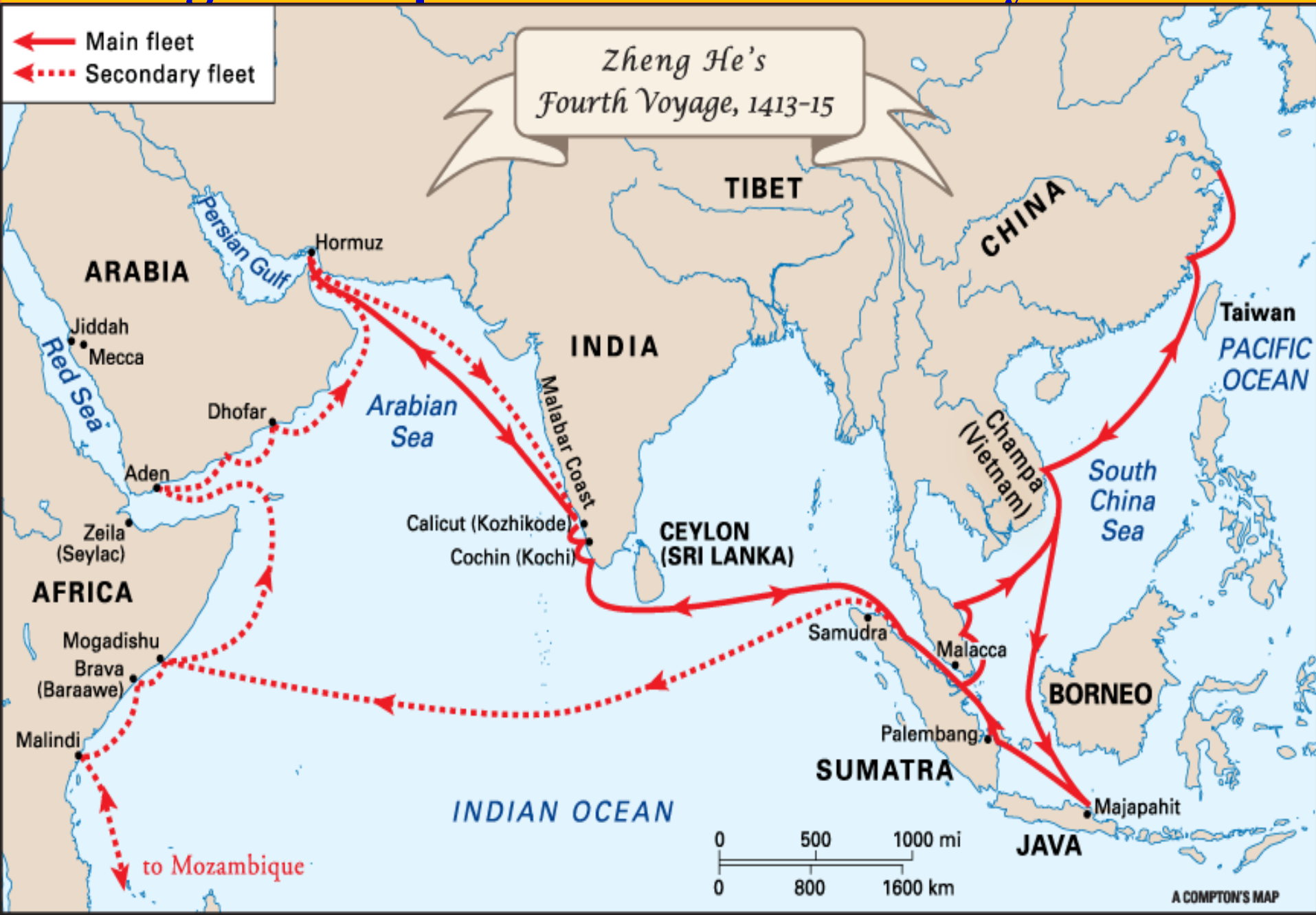
Planned areas of infrastructure building



Following Zheng He's expedition (1405-1433)



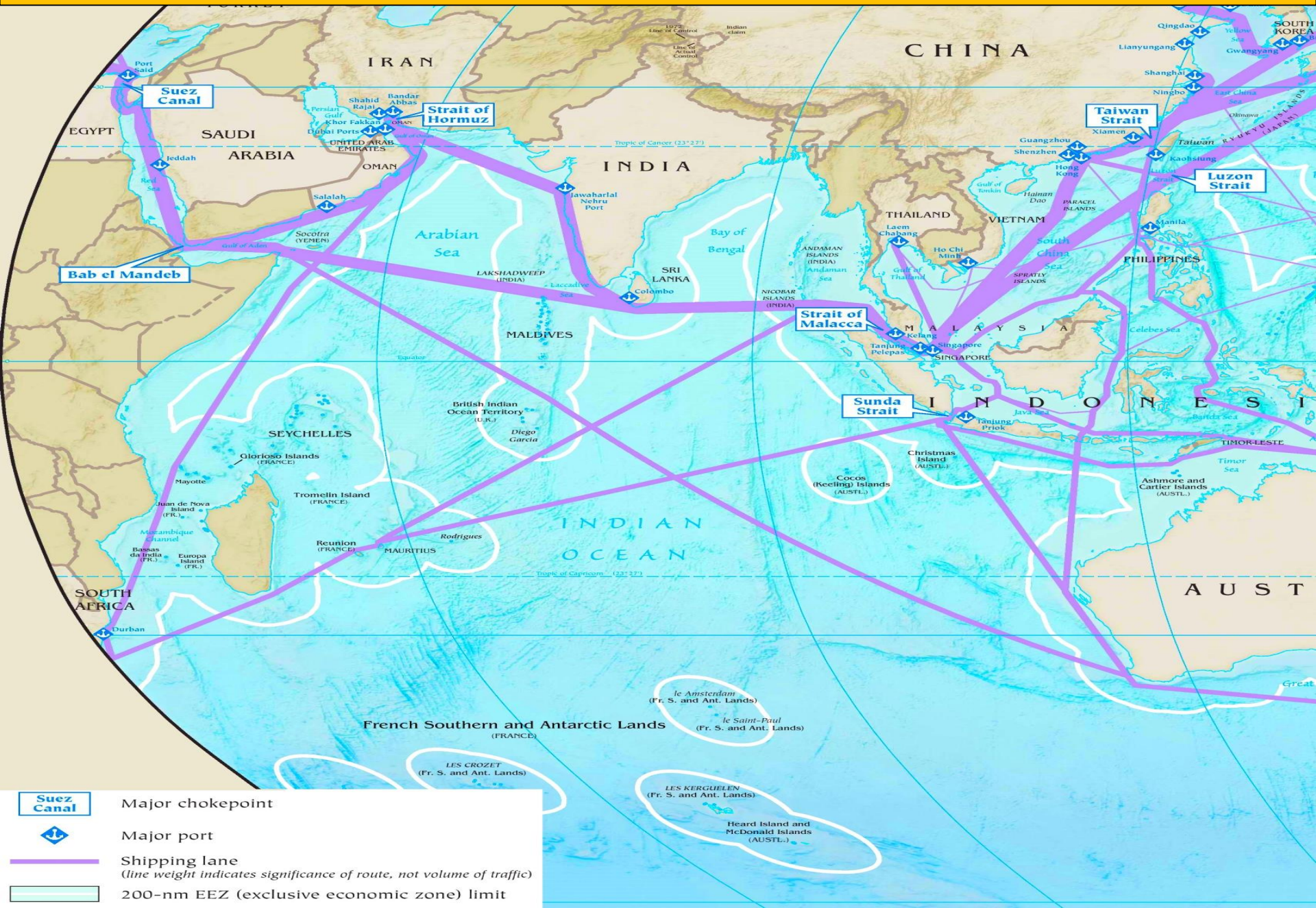
Zheng He's expedition resembles today's China's



...Marco Polo & others ...



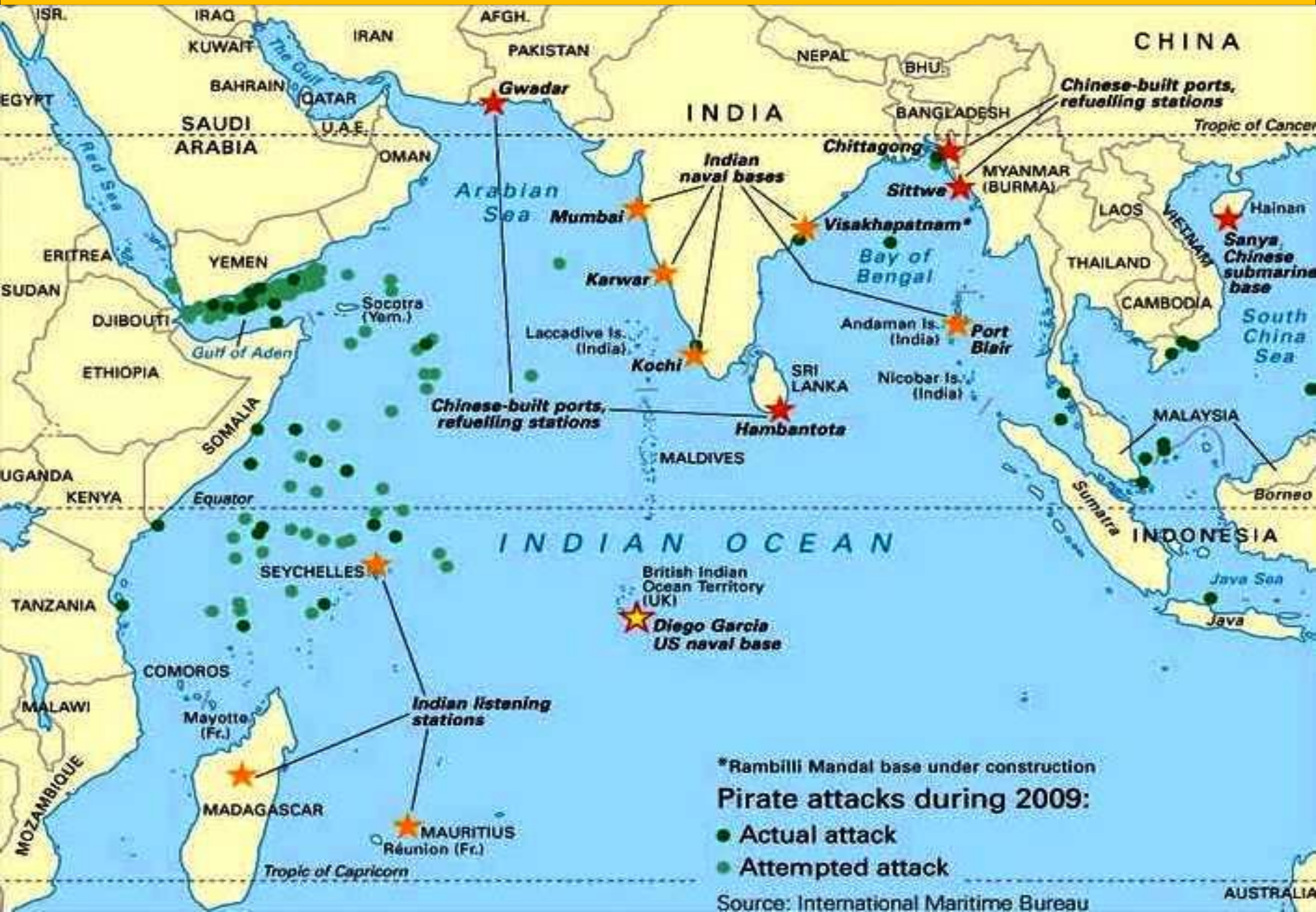
China's southern challenges



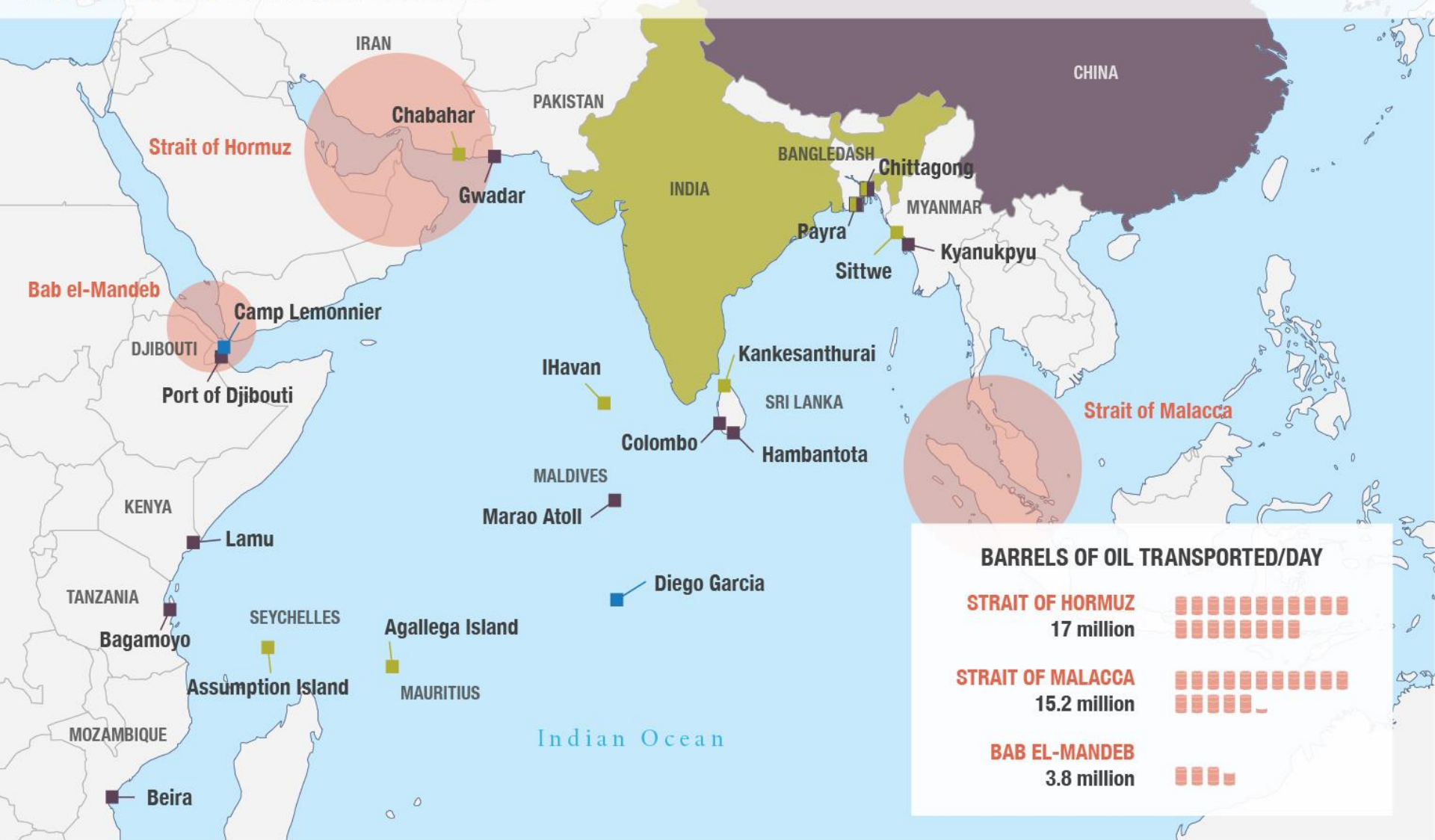
China's immediate chock points



Indian Sea Challenges



INDIAN OCEAN PORT DEVELOPMENT



■ PORT AUTHORITIES ASSISTED BY CHINA ■ PORT AUTHORITIES ASSISTED BY INDIA ■ U.S. NAVAL FACILITIES
 ■ PORT AUTHORITIES ASSISTED BY CHINA AND INDIA ● MARITIME CHOKEPOINTS

COUNCIL on
FOREIGN
RELATIONS

Sources: Indian Development Cooperation Research (IDCR), Centre for Policy Research; EIA

Credits: Eleanor Albert, Julia Ro

Red Sea straits



Strait of Bab el-Mandeb



Eritrea

Red Sea

Yemen

Bab-el-Mandeb

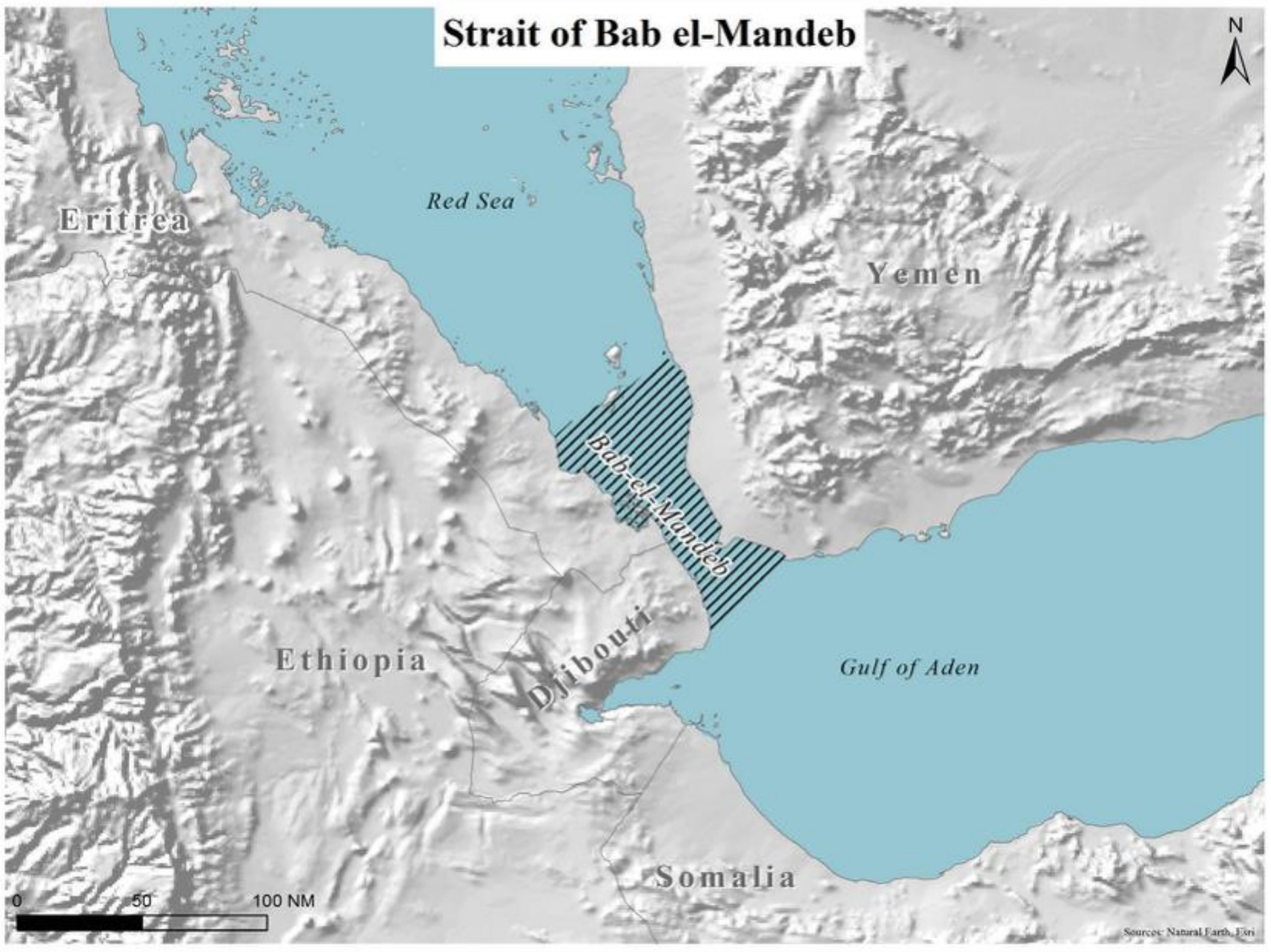
Ethiopia

Djibouti

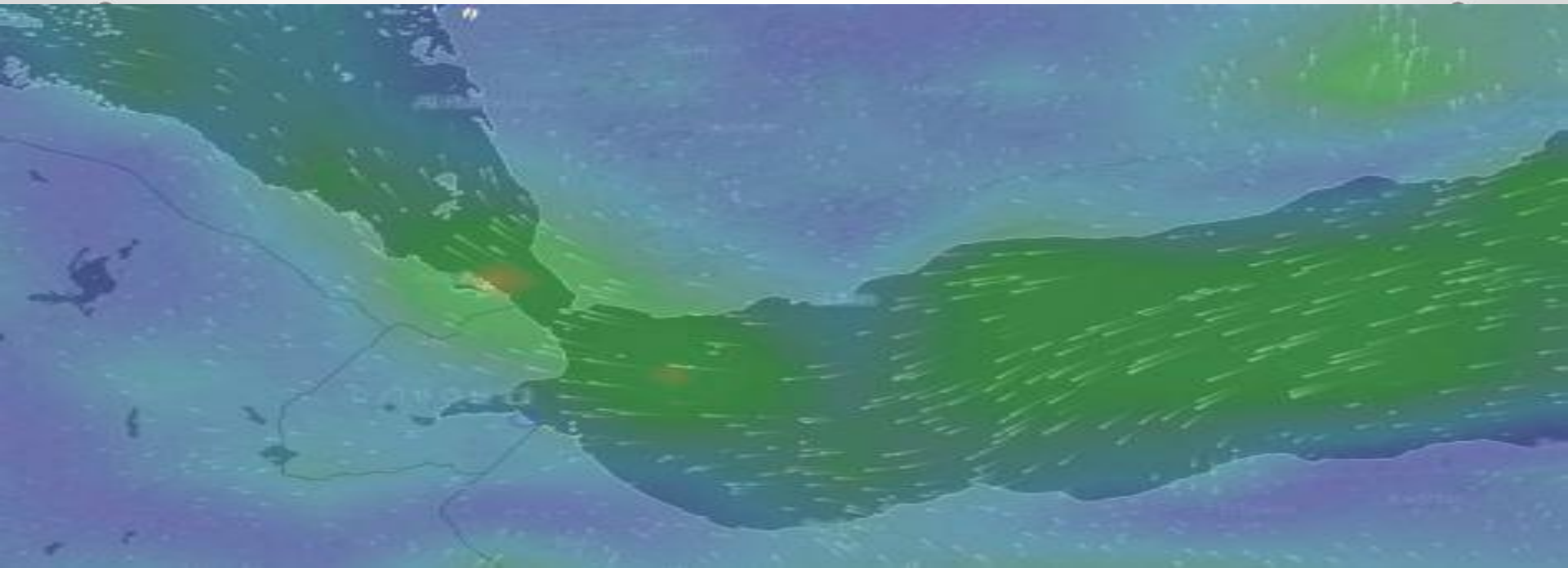
Gulf of Aden

Somalia

0 50 100 NM



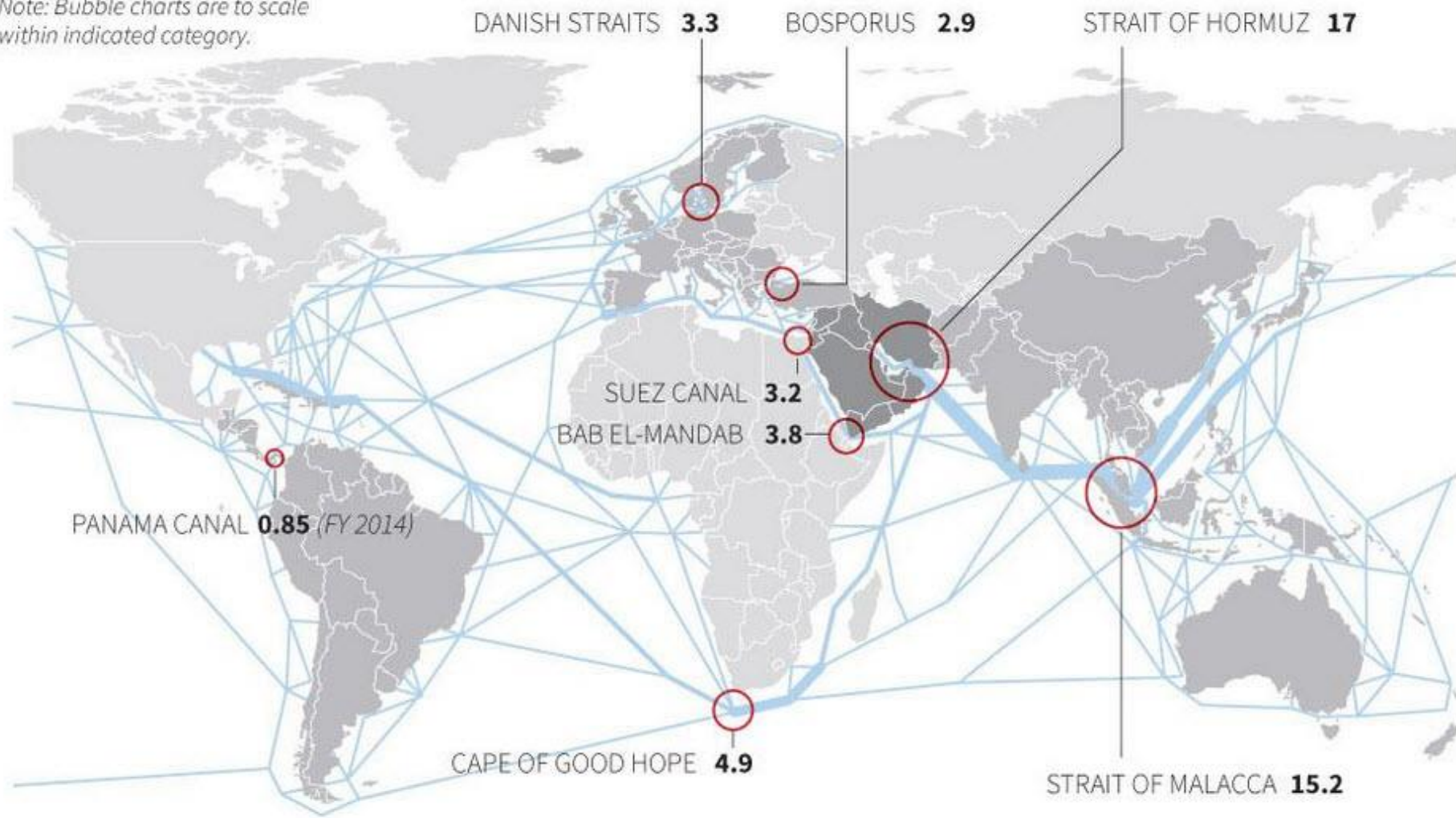
- The Bab el Mandeb is also called the Gate of Tears because its waters is dangerous. The strong winds agitate the water which makes it a rough ride.
- The current flows south-east from May-October and north-west from November-April



Oil transit chokepoints

OIL TRANSIT CHOKEPOINTS
Million of barrels of oil moved per day, 2013 (unless otherwise indicated)

Note: Bubble charts are to scale within indicated category.



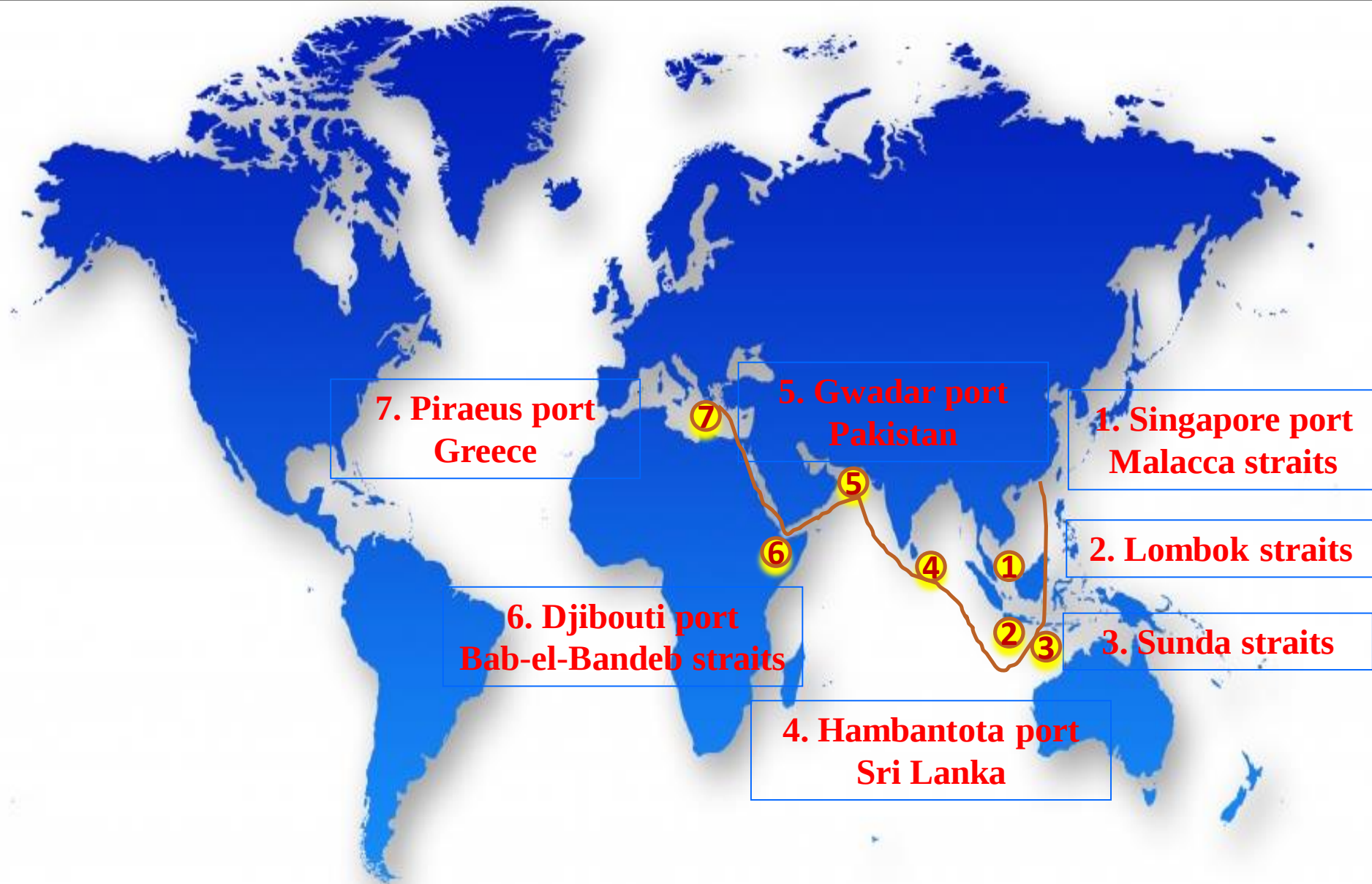
MAJOR OIL MOVEMENT – IN 2005, IN MILLION TONNES: — 1-100 — 101-200 — 201-300 — > 300

Sources: U.S. Energy Information Administration, International Tanker Owners Pollution Federation

Staff, W. Foo, 26/3/2015

REUTERS

Southern Sea route



Pacific-Indian ocean sea route to Europe

Northern Sea route – Siberian passage



North East Passage



China's New Shipping Frontier

How the new Northern Sea route compares to the traditional Suez Canal route

NORTHERN SEA ROUTE

Travel time

35 days

Dangers

Icebergs

Travel window

July to November

Container-carrying vessels

One this year

SUEZ CANAL ROUTE

Travel time

48 days

Dangers

Access to Suez Canal under question with upheaval in Egypt

Travel window

Year-round

Container-carrying vessels

17,000 last year



African Sea route



1. One Chock Point
Lombok or Sunda straits

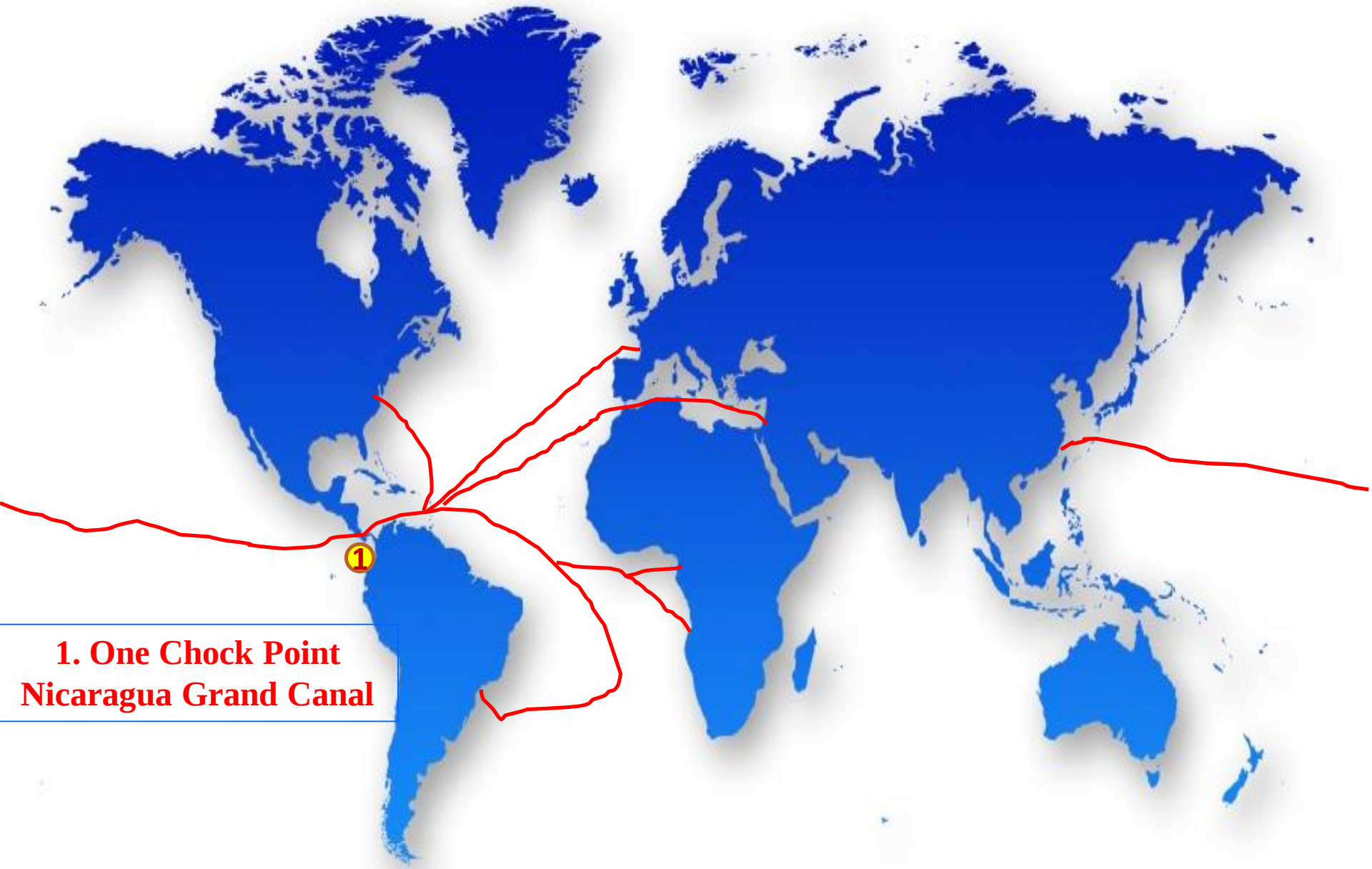
Indian ocean-Atlantic route to eastern North America

Pacific Sea route



Pacific sea route to western North America

Pacific-Atlantic Sea route



1. One Chock Point
Nicaragua Grand Canal

Pacific to Atlantic ocean via **Nicaragua Canal**

Nicaragua Canal



Nicaragua Canal vs Panama Canal



Nicaragua approves canal project

Lawmakers approved a controversial deal Thursday allowing a Hong Kong company to build a waterway to rival Panama Canal

- Cost: \$40 billion
- Construction: starts May 2014

	 Depth	 Length	 Draft
Nicaragua Canal	22 m	286 km	20 m
Panama Canal	21 m	82 km	12.3 m
Suez Canal	13.8 m	195 km	19 m



Resembling ...China's routes during the Middle Ages...



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