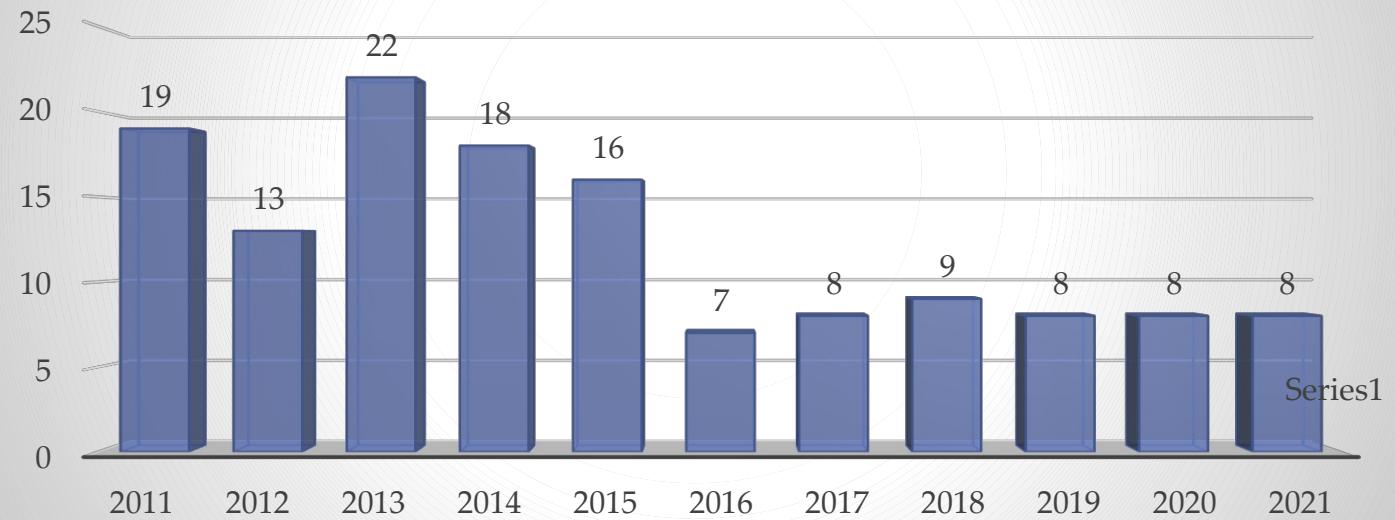


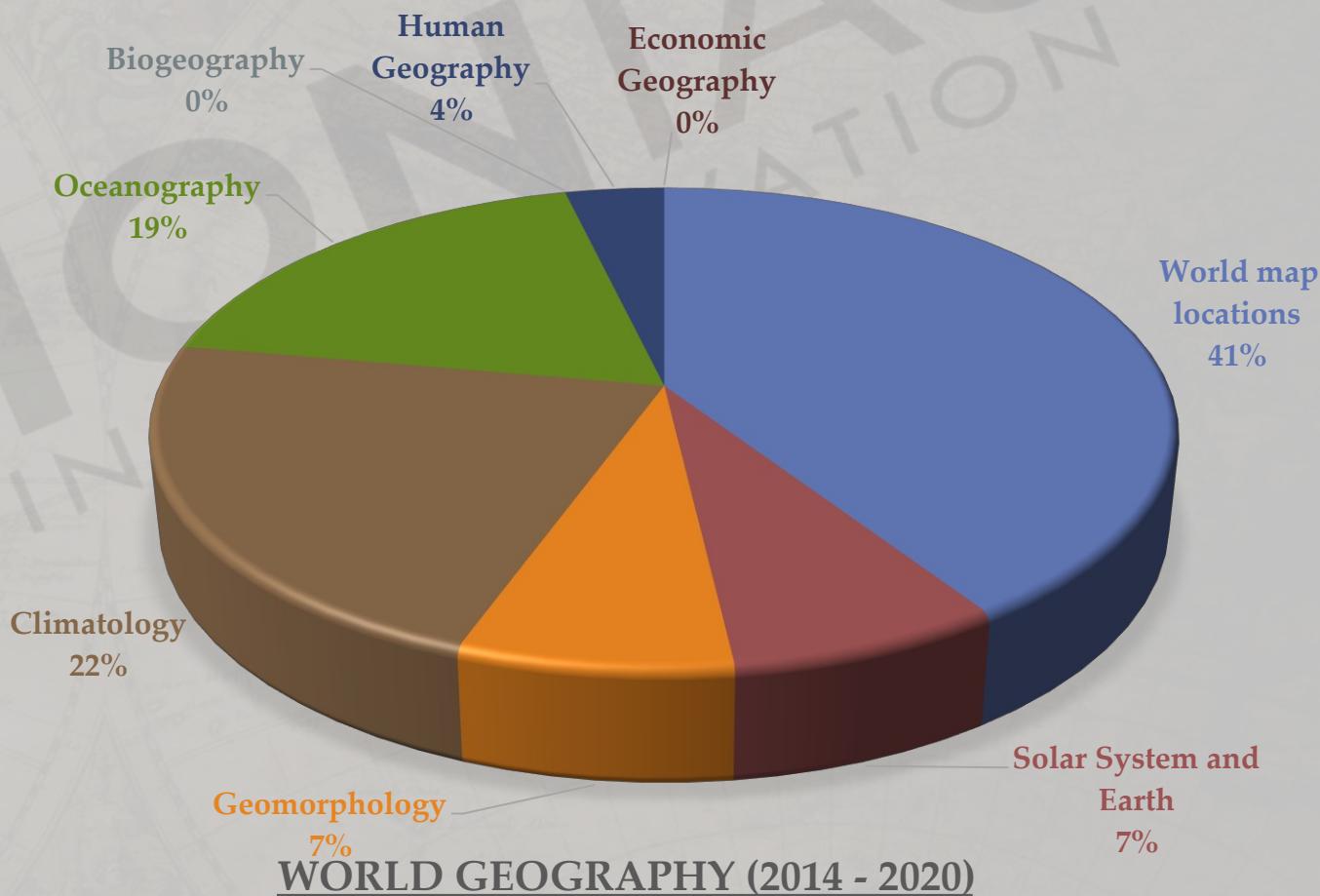
GEOGRAPHY - MAPPING

<u>Year</u>	<u>Number of questions</u>
2011	19
2012	13
2013	22
2014	18
2015	16
2016	7
2017	8
2018	9
2019	8
2020	8
2021	8

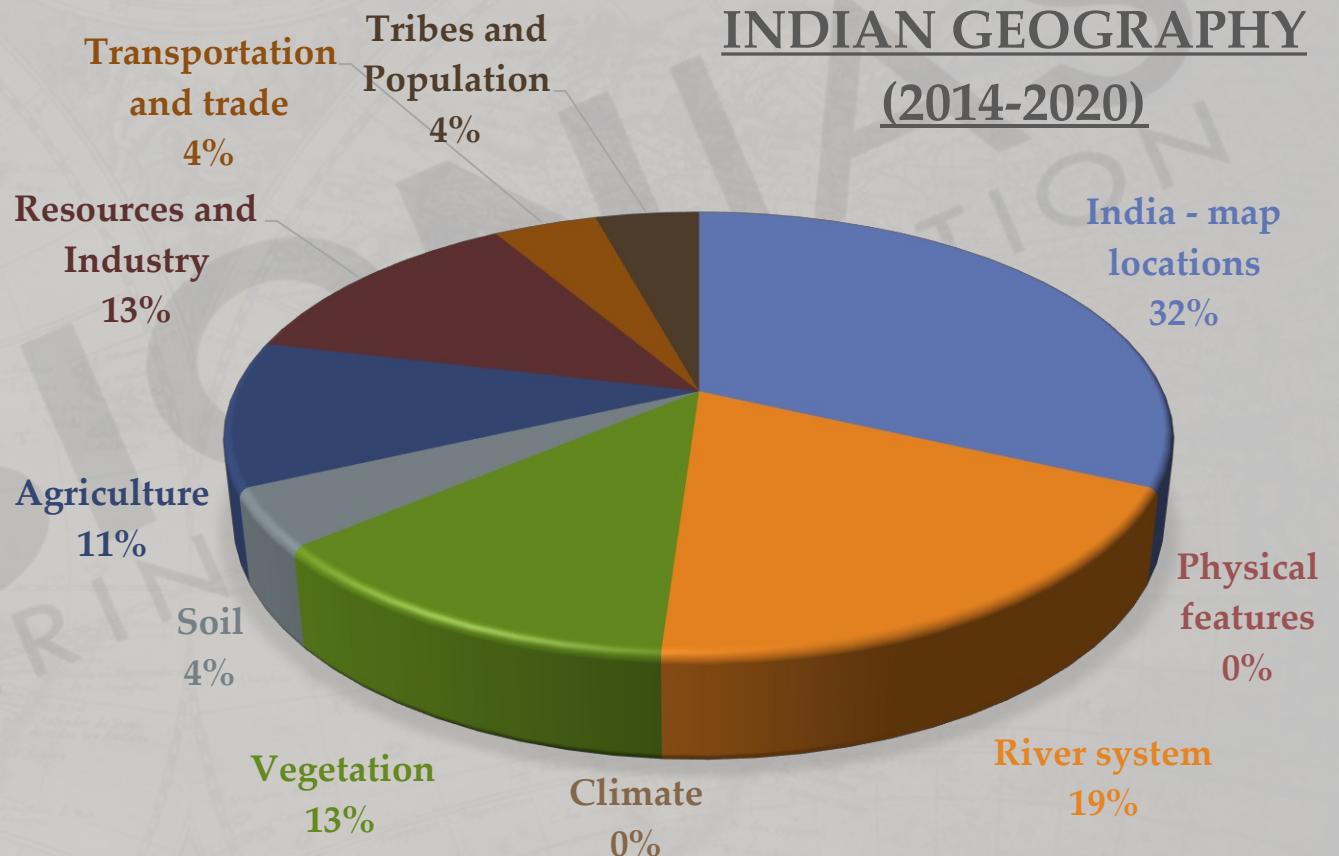
Geography - Number of questions (2011 - 2021)

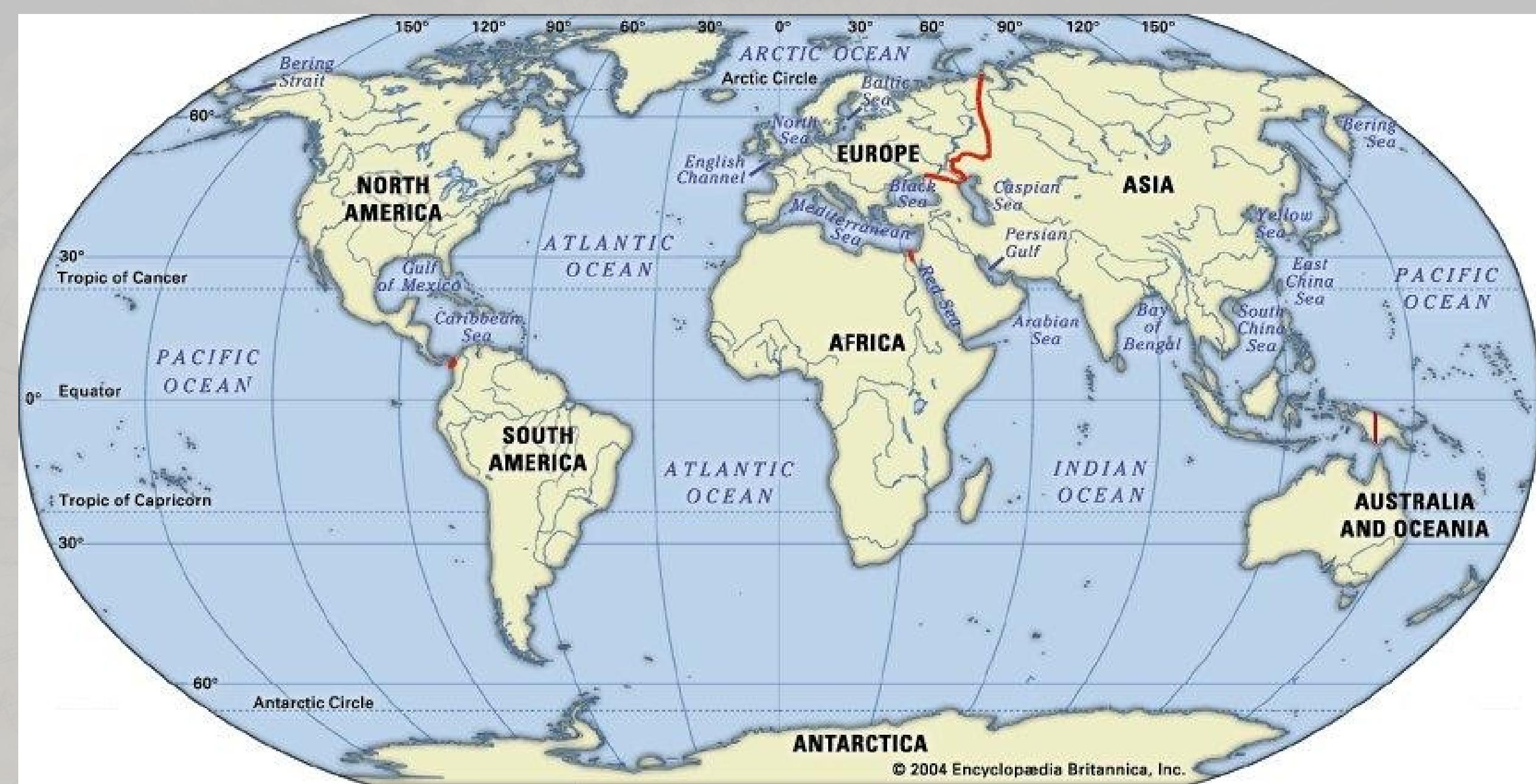


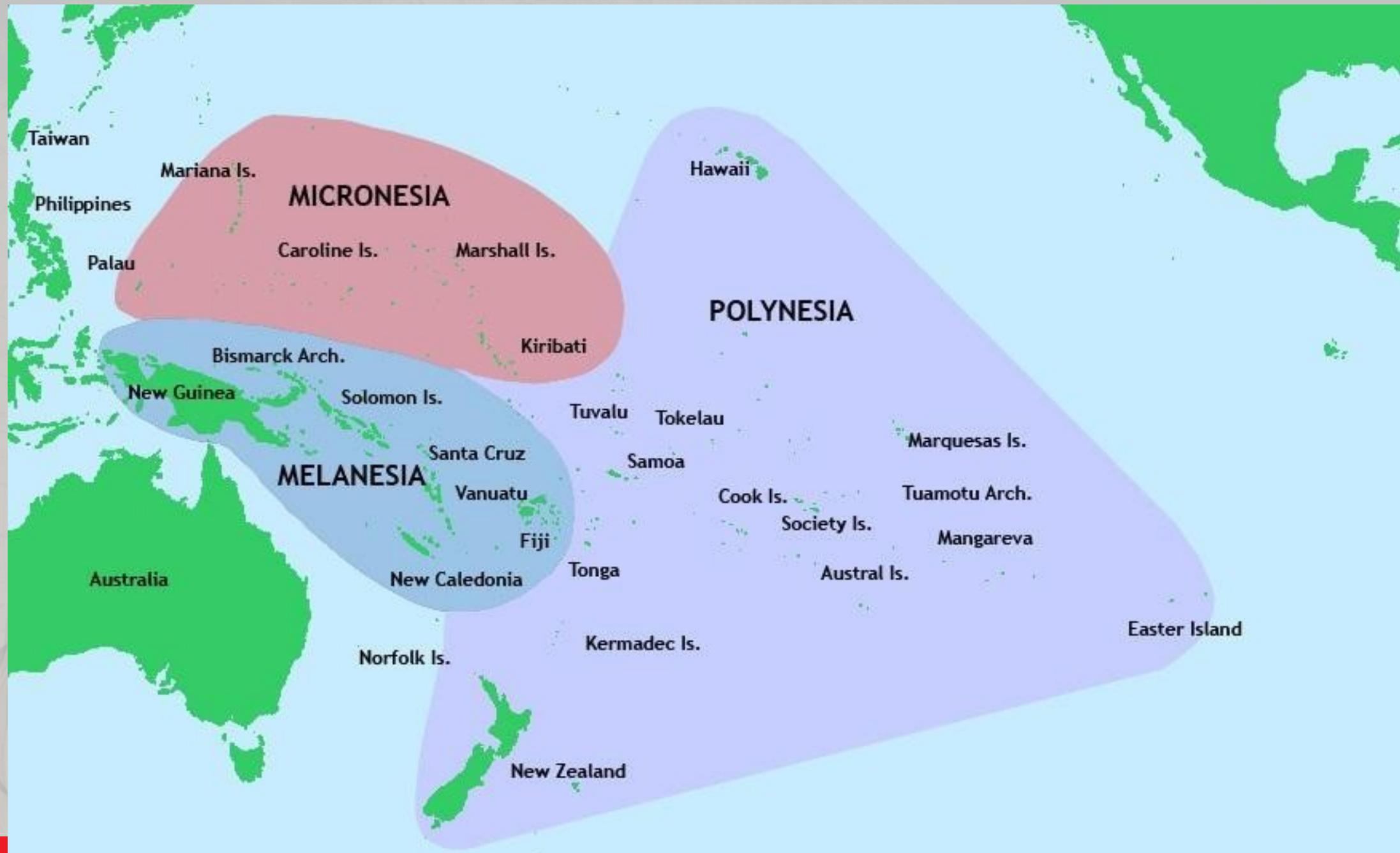
Topic	Number of questions
World map locations	11
Solar System and Earth	2
Geomorphology	2
Climatology	6
Oceanography	5
Biogeography	0
Human Geography	1
Economic Geography	0
Total	27



Topic	Number of questions
India - map locations	15
Physical features	0
River system	9
Climate	0
Vegetation	6
Soil	2
Agriculture	5
Resources and Industry	6
Transportation and trade	2
Tribes and Population	2
Total	47







█ Baltic republics █ Caucasus █ Central Asia █ Disputed territories



Azerbaijan-Armenia Conflict

TRT WORLD



CENTRAL AMERICA AND THE CARIBBEAN



VISION IAS



Administrative division of United Kingdom

Shetlands

Orkneys

Scotland

Northern Ireland

Republic
of Ireland

England

Wales

ATLANTIC OCEAN

North Sea

Strait of Dover



<https://www.youtube.com/watch?v=AYla6q3is6w>

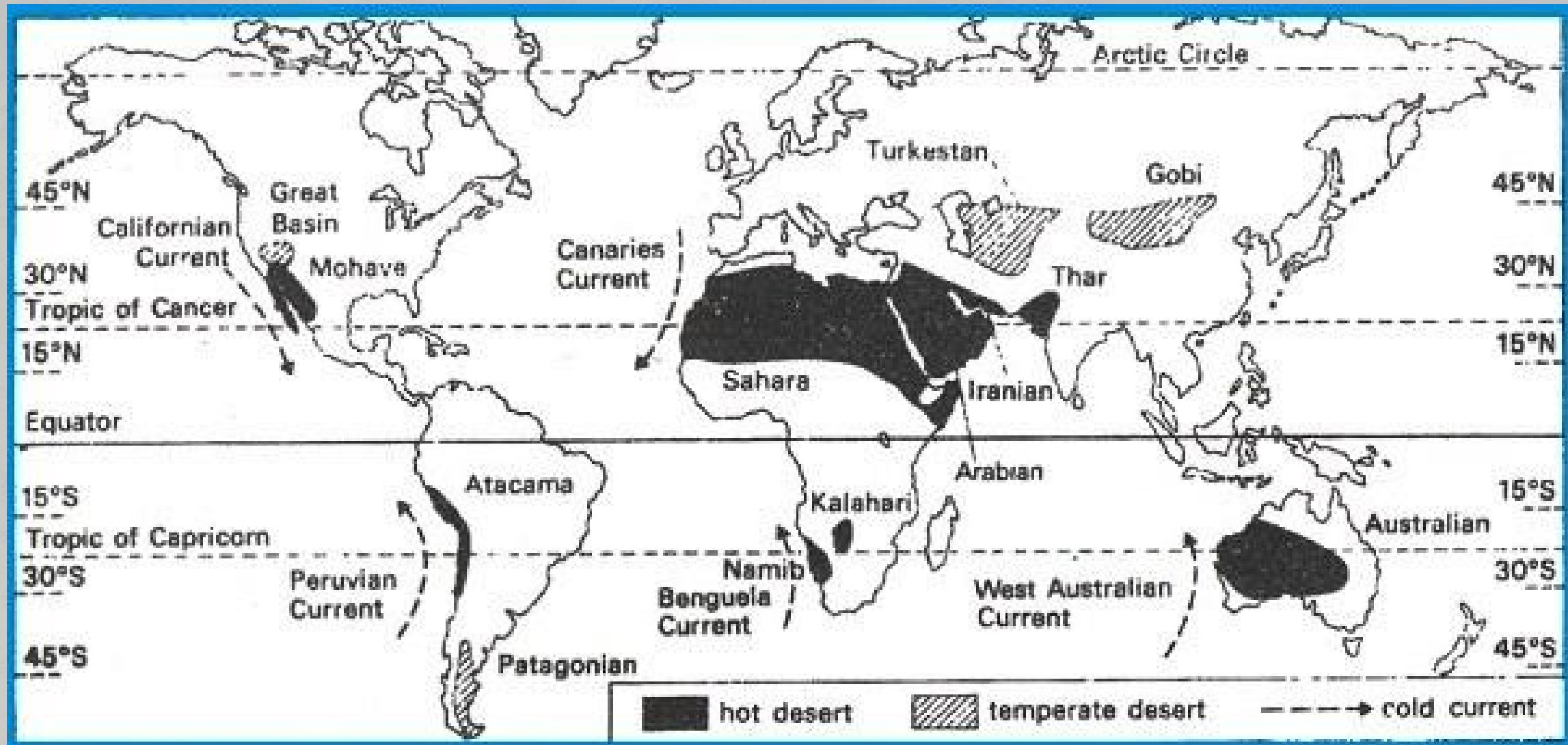


krakatoa eruption 1883

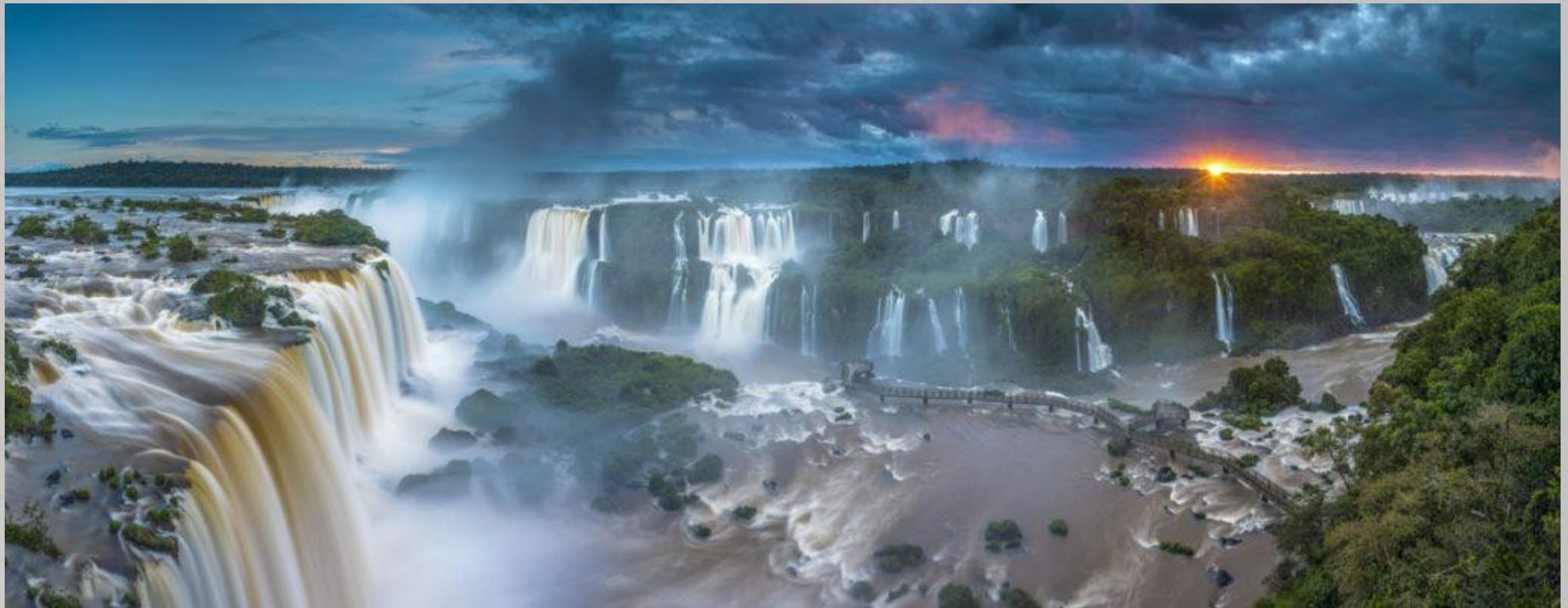


Raikoke (2019)





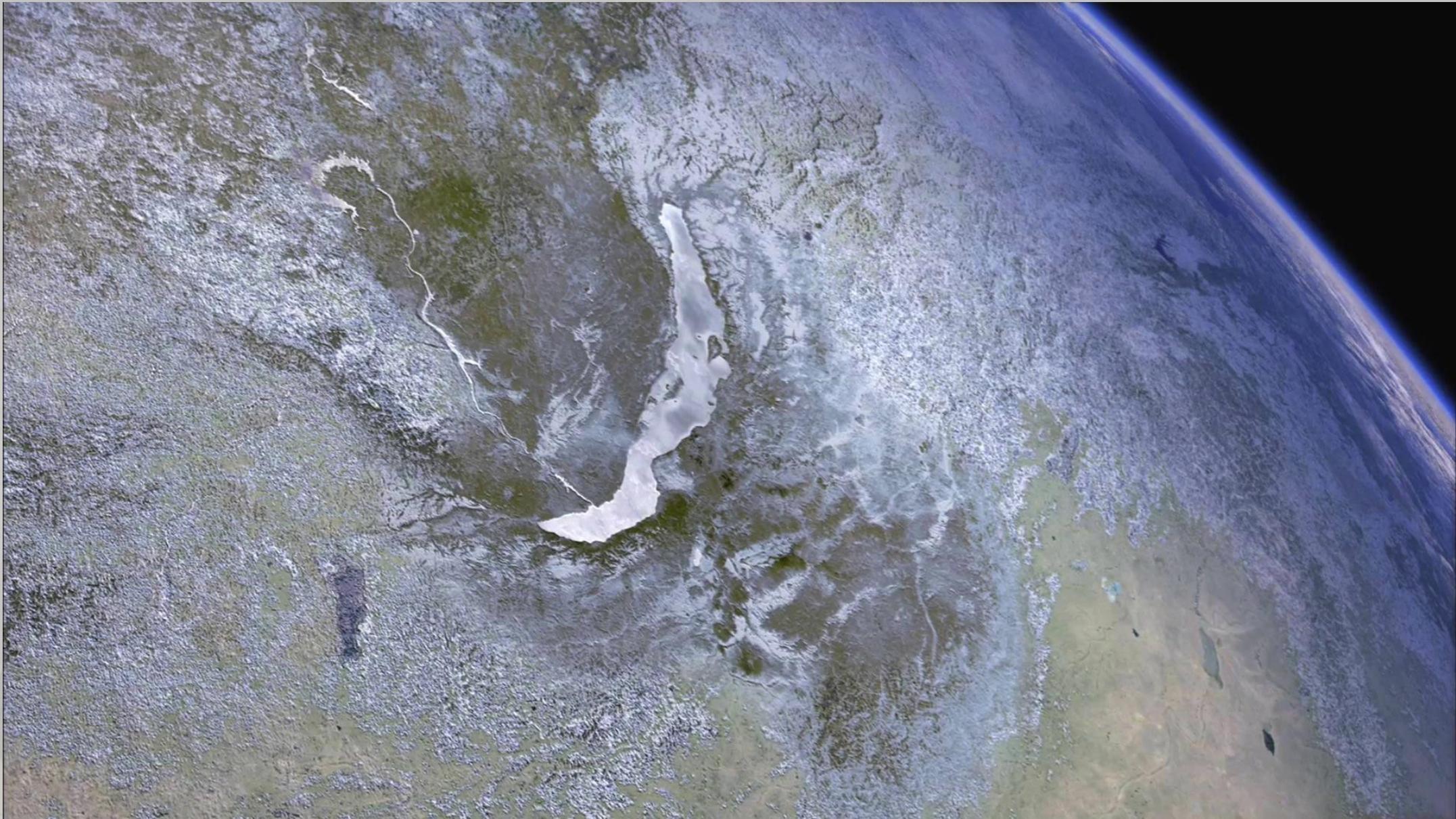




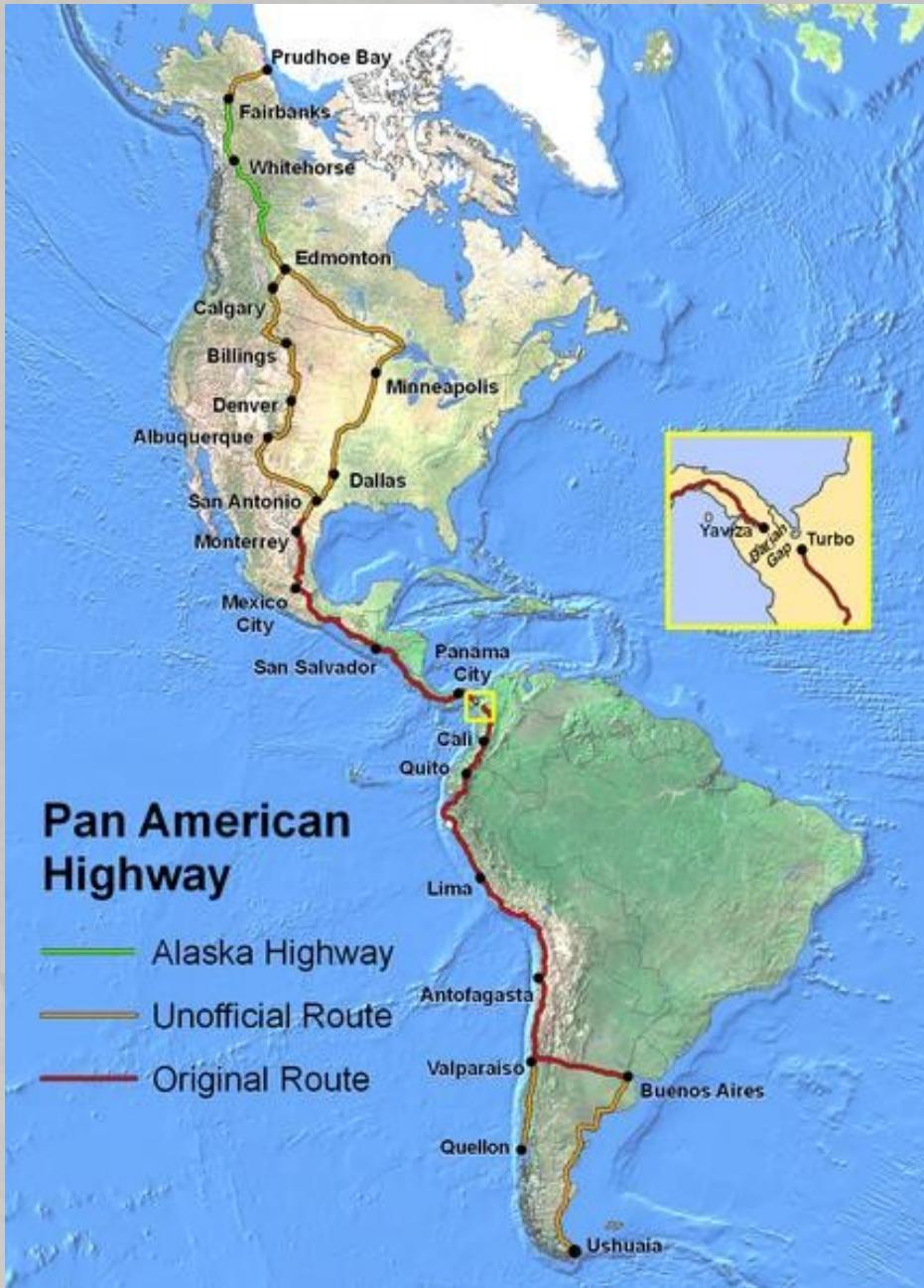


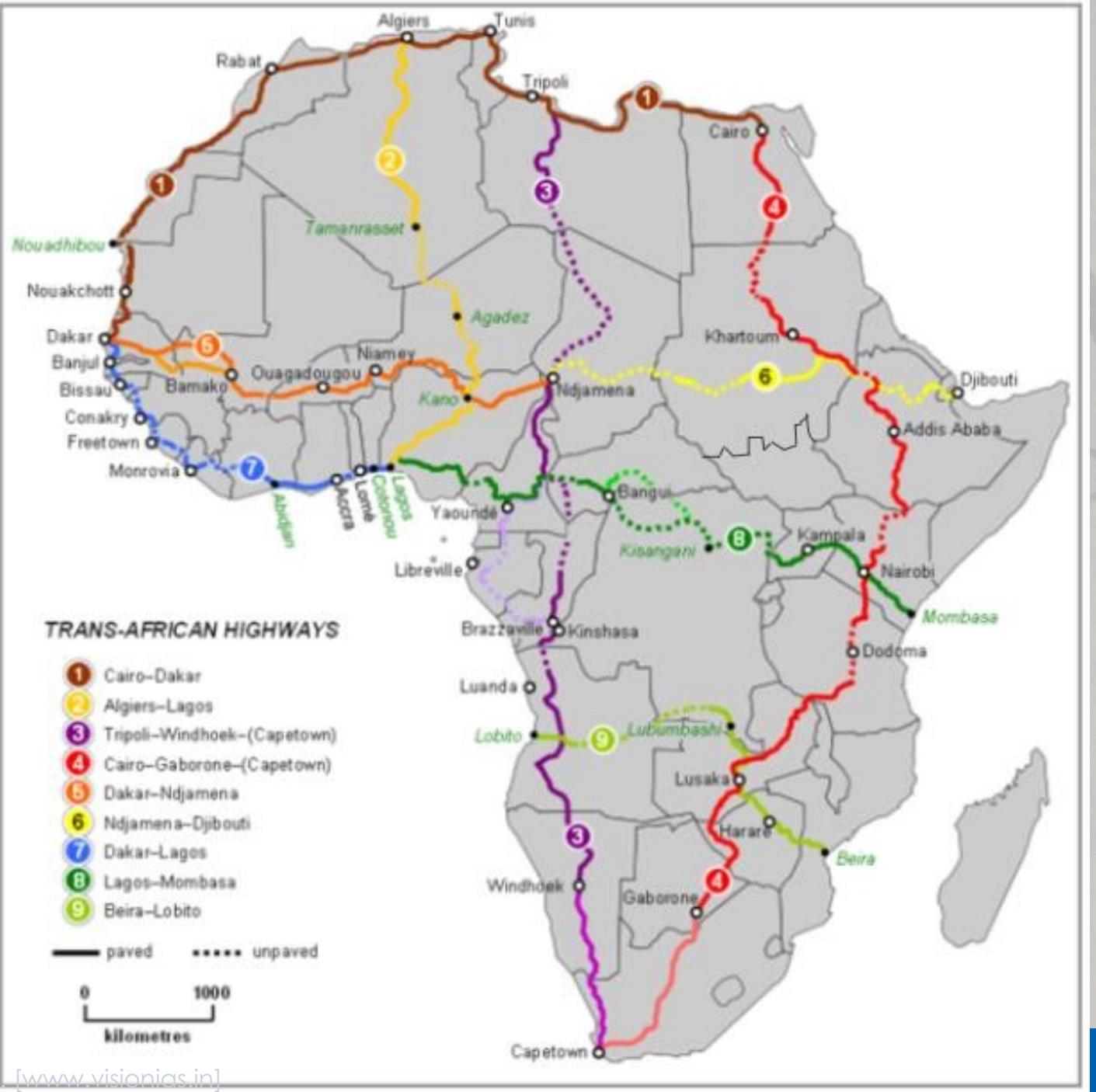








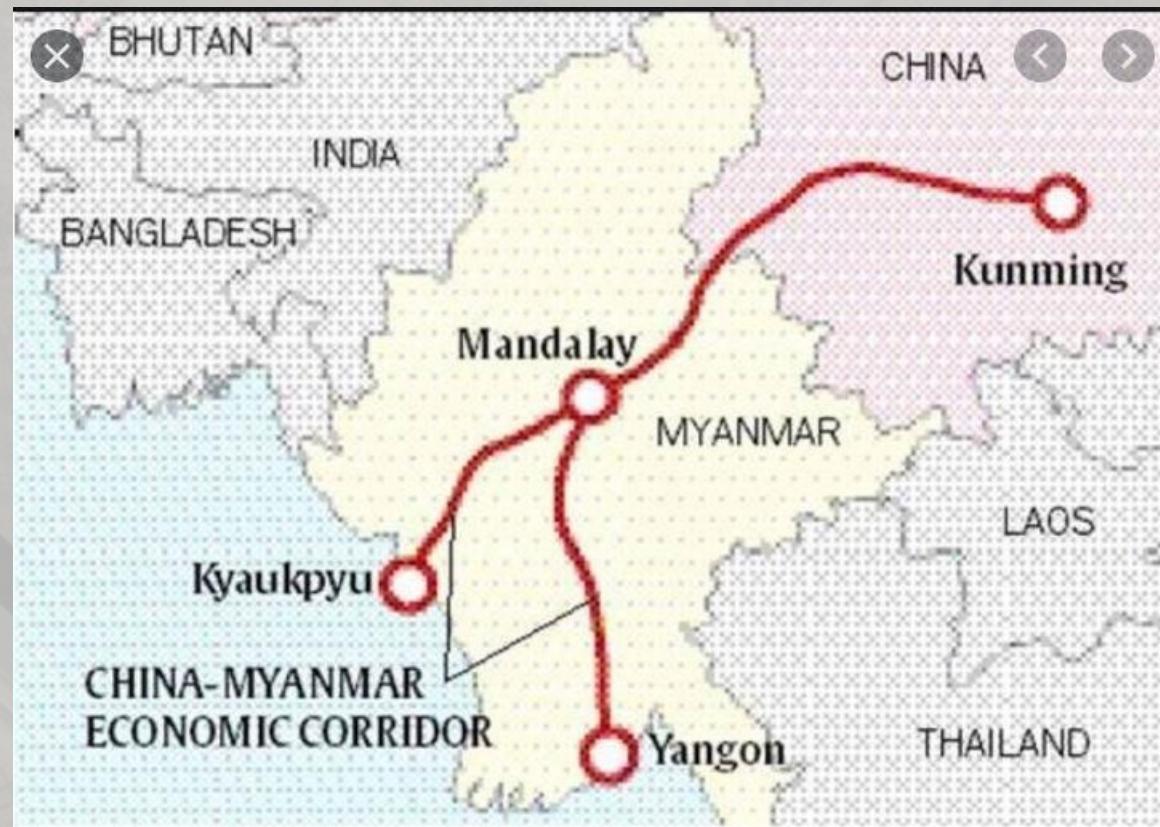












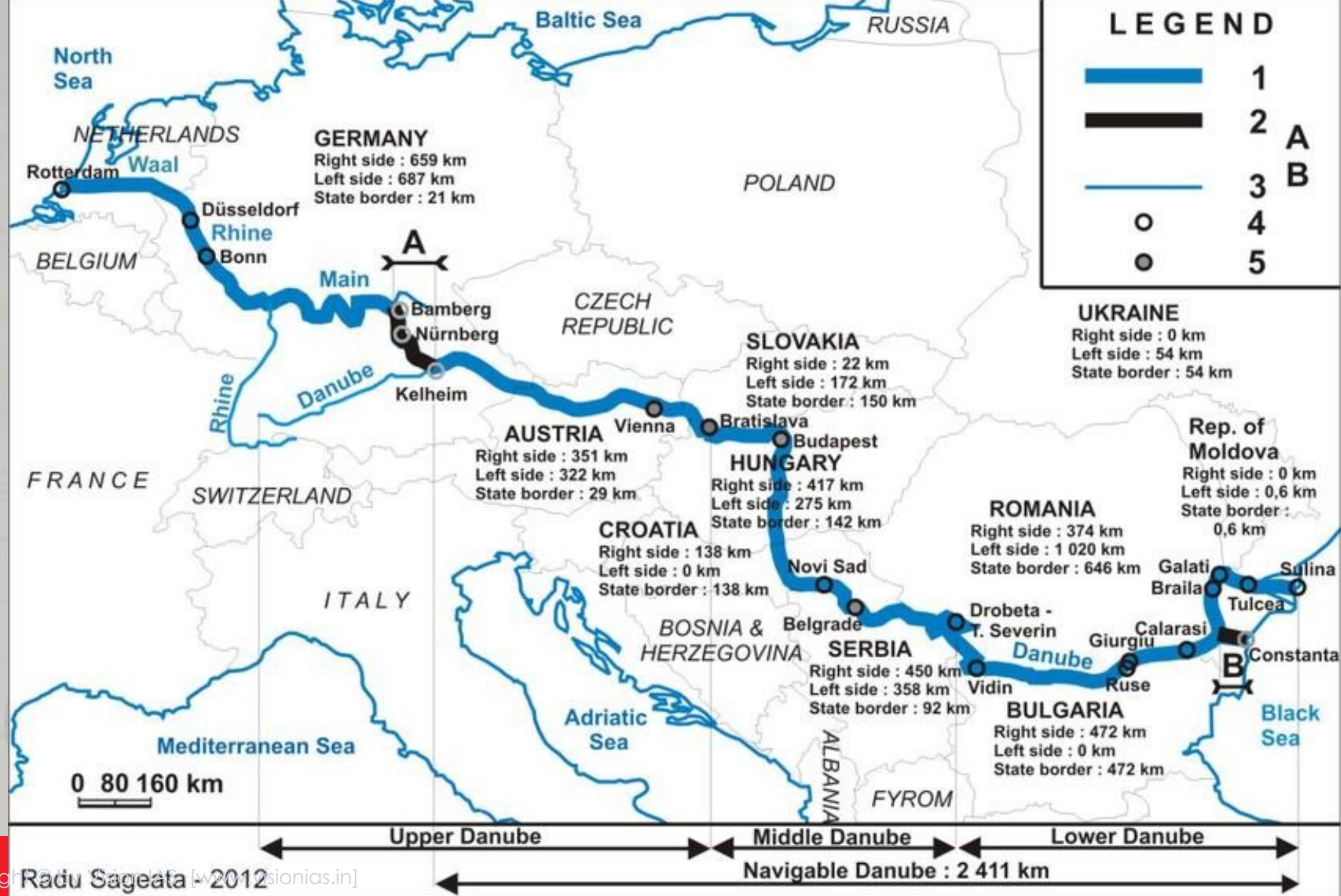


Trans-Siberian Railway

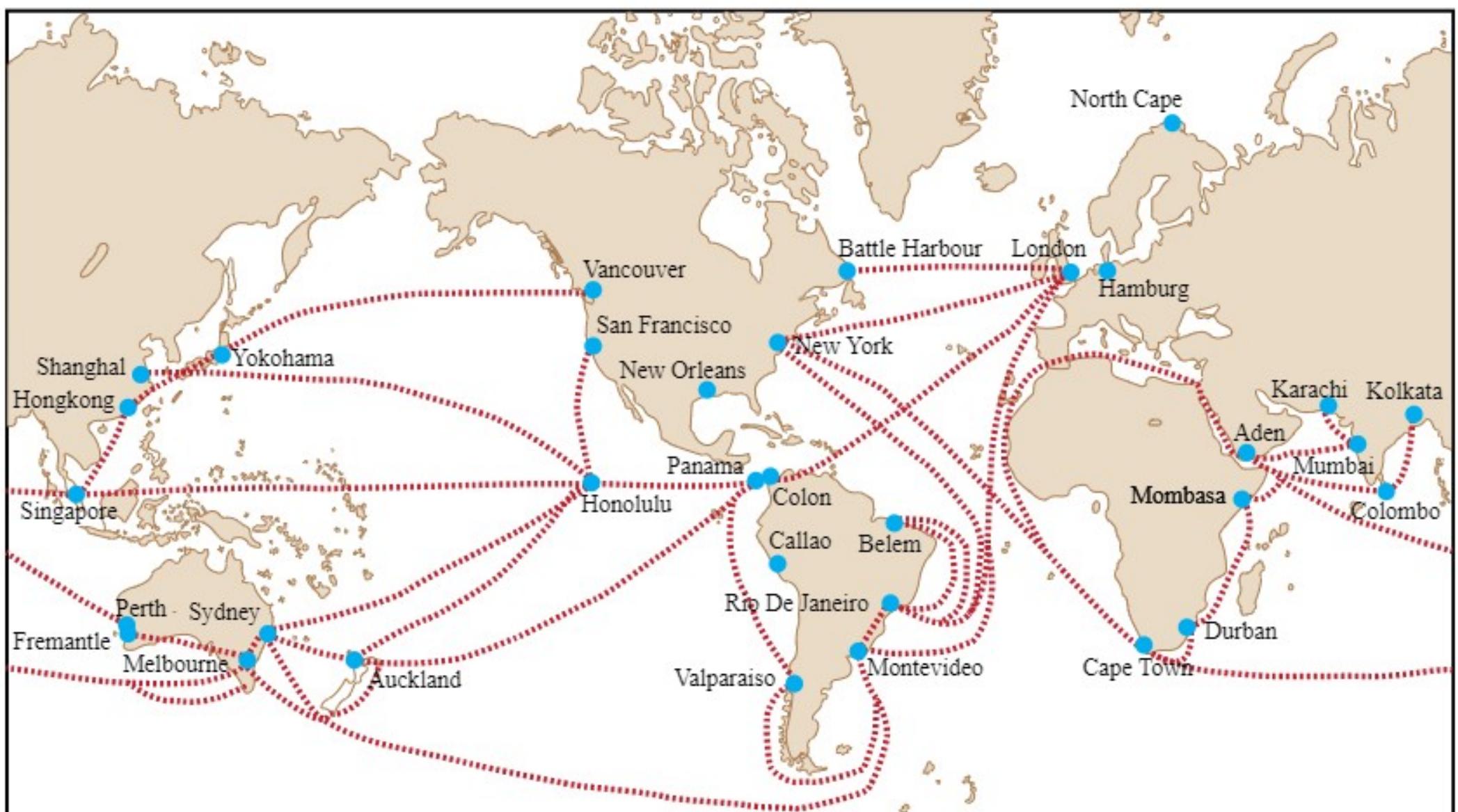












MAJOR SEA ROUTES
SEAPORTS

Not to Scale

Copyright © by Vision IAS. [www.visionias.in]

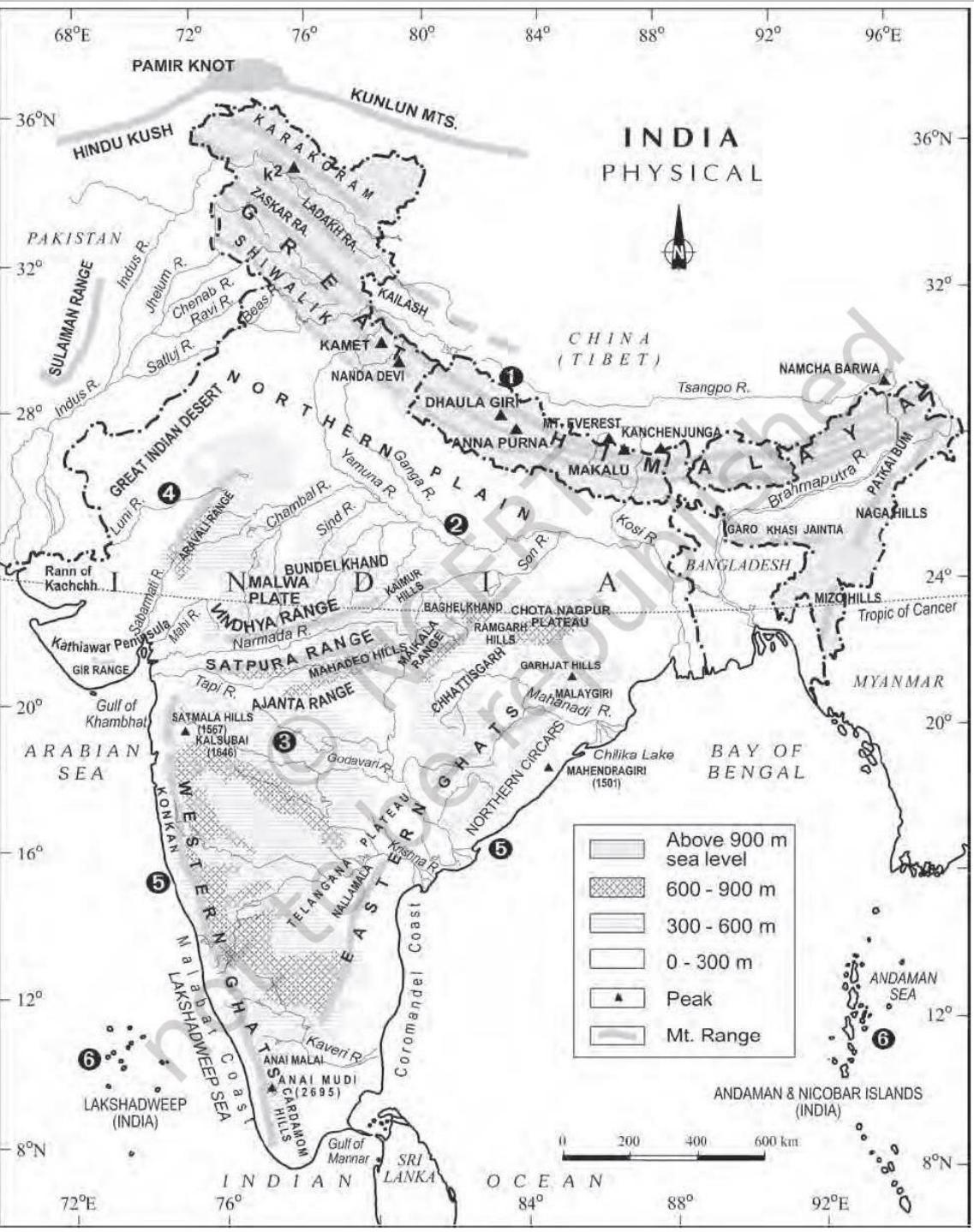
ovindaraj



INDIA

States and Union Territories





HIMACHAL PRADESH
ADMINISTRATIVE DIVISIONS 2011

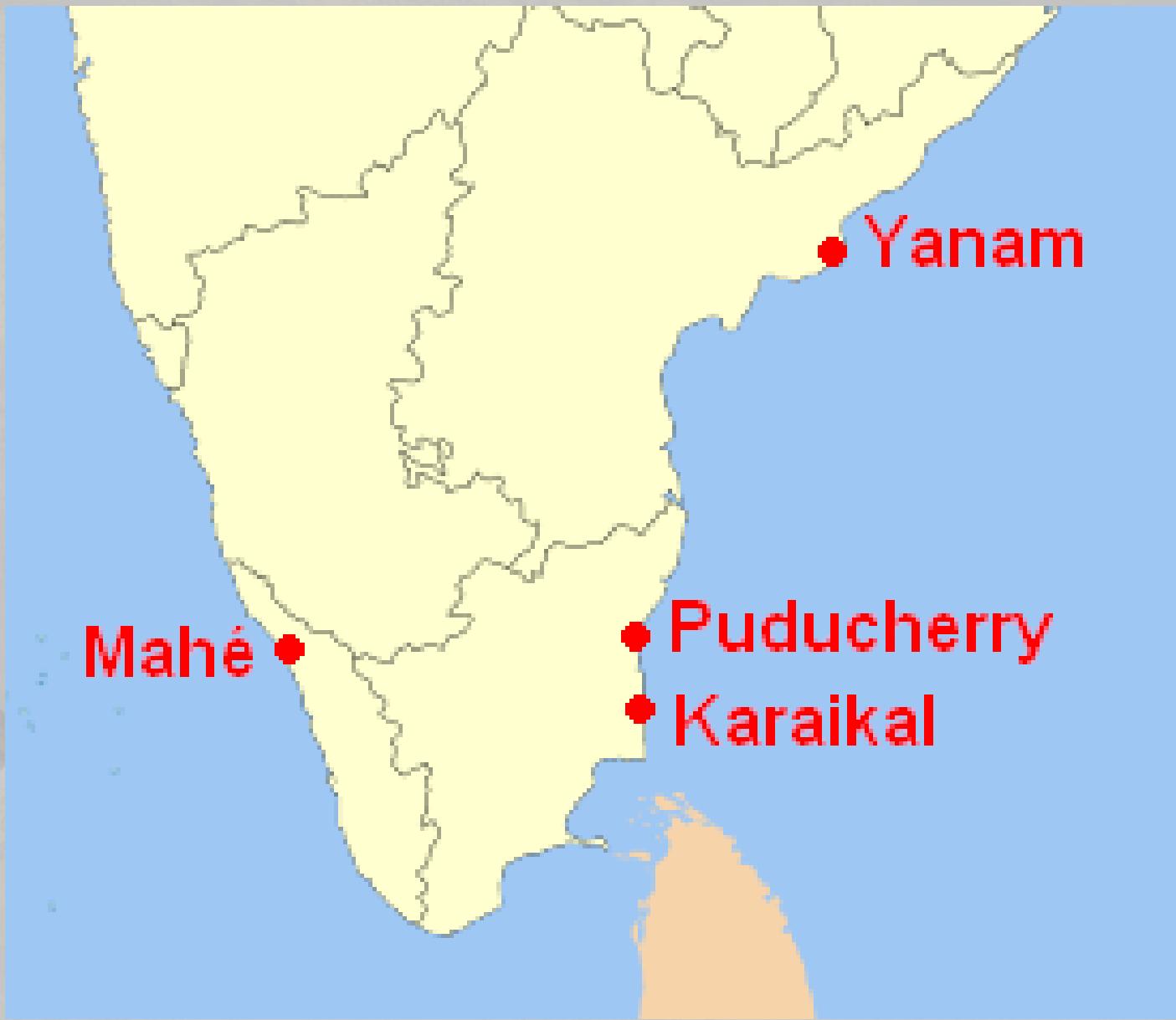
KILOMETRES
20 0 20 40

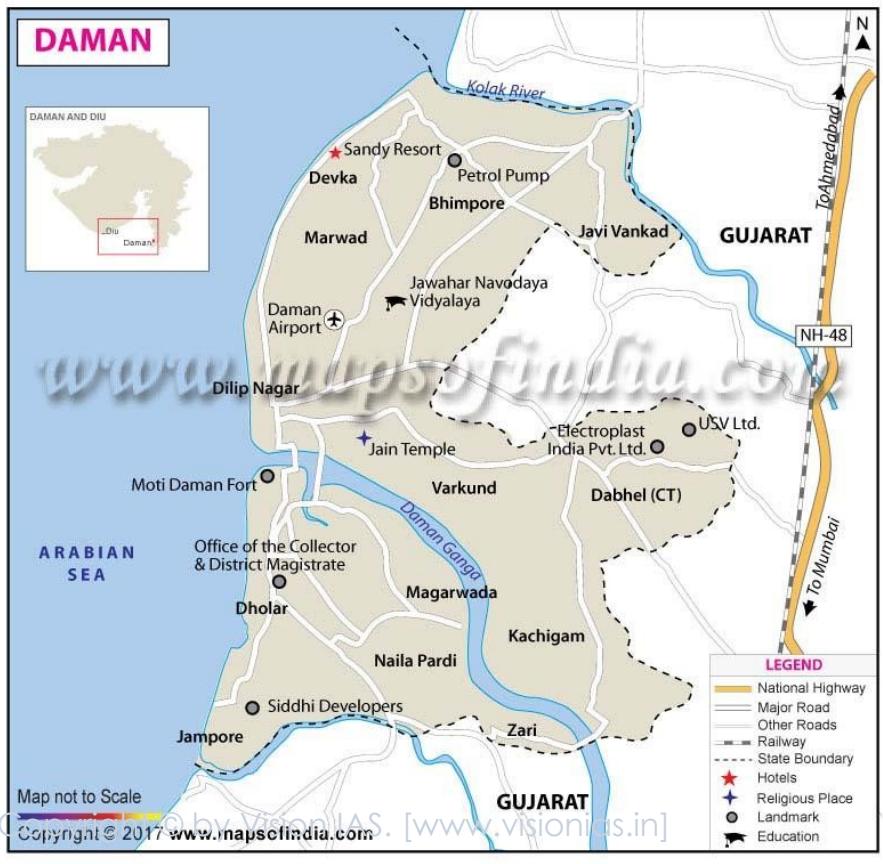


State/District Headquarters are also Tahsil Headquarters
(Except Kinnaur where it is located at Reckong Peo)

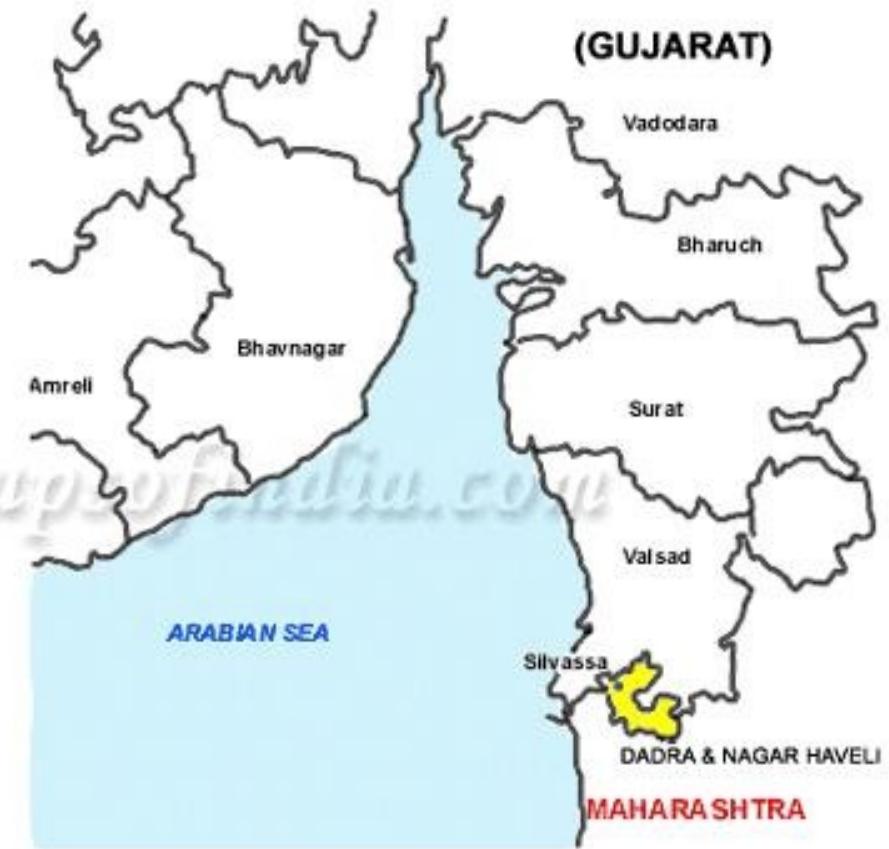
Where the district and Tahsil name differs from its
headquarters name, the latter is given within brackets.

The Administrative Headquarters of Shimla Rural Tahsil,
Shimla Urban Tahsils are at Shimla.

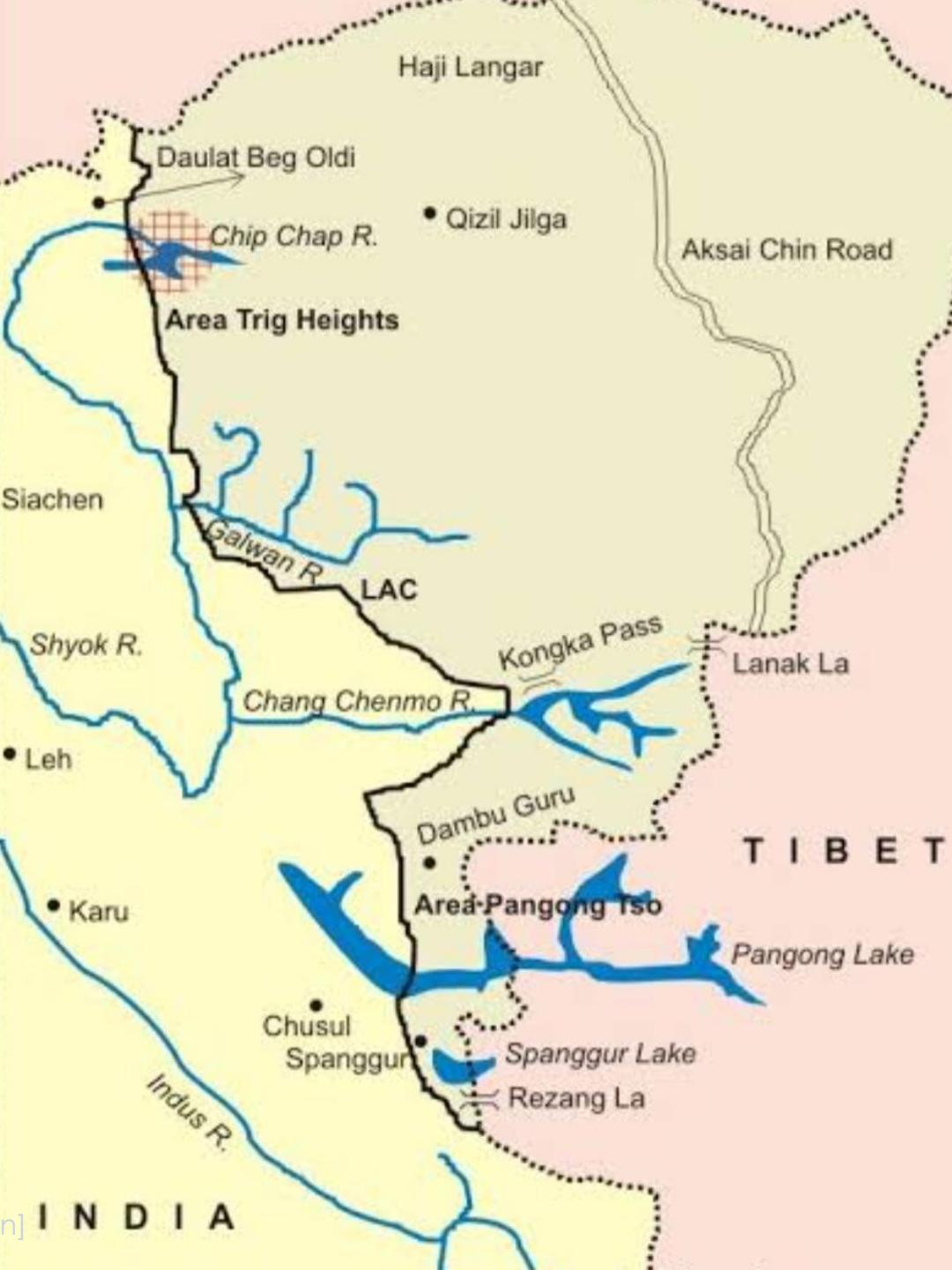


DIU**DAMAN**

Dadar & Nagar Haveli (GUJARAT)



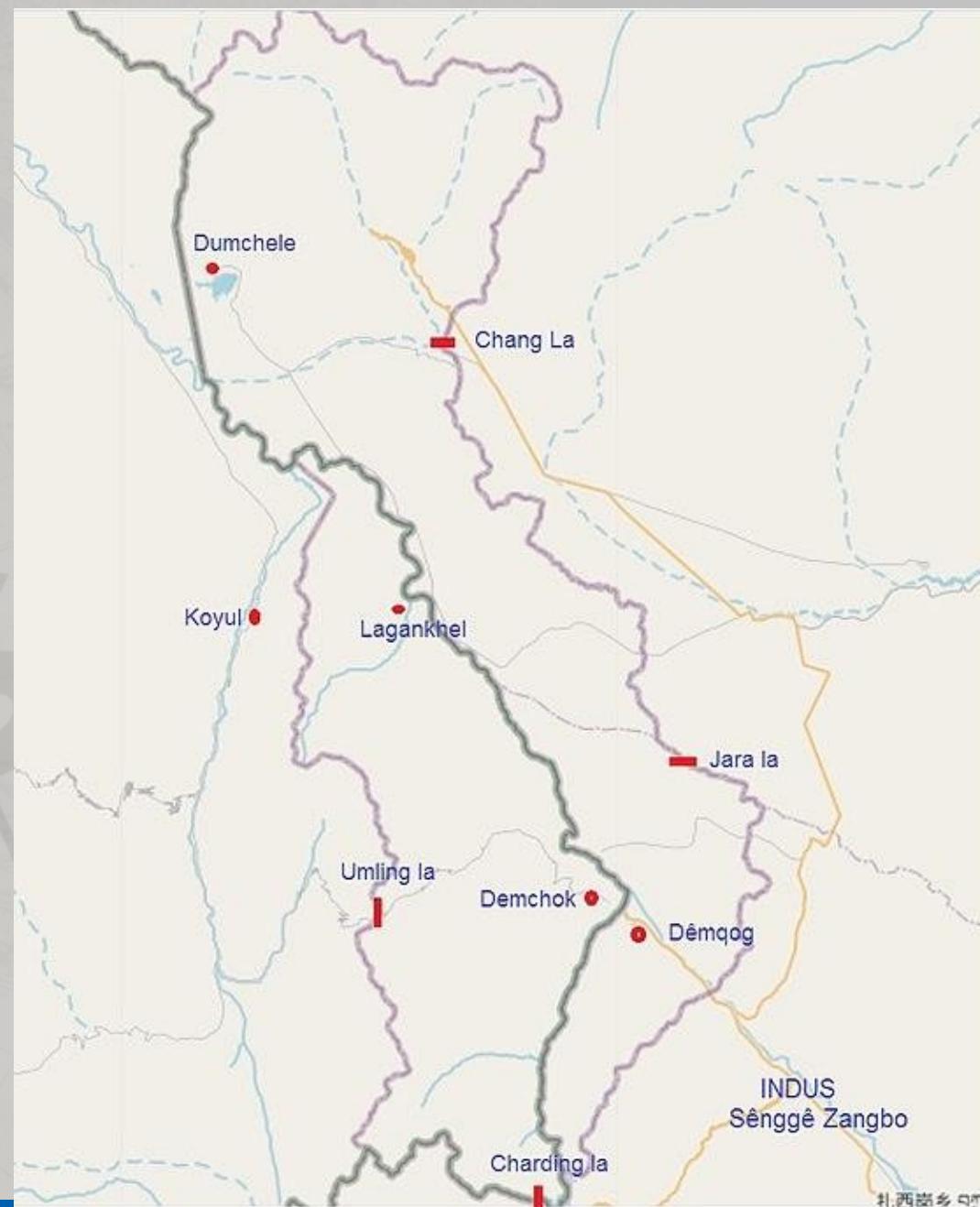




THE LINE OF ACTUAL CONTROL CUTS THROUGH PANGONG LAKE, BUT THE INDIAN AND CHINESE SIDES MARK ITS LOCATION DIFFERENTLY

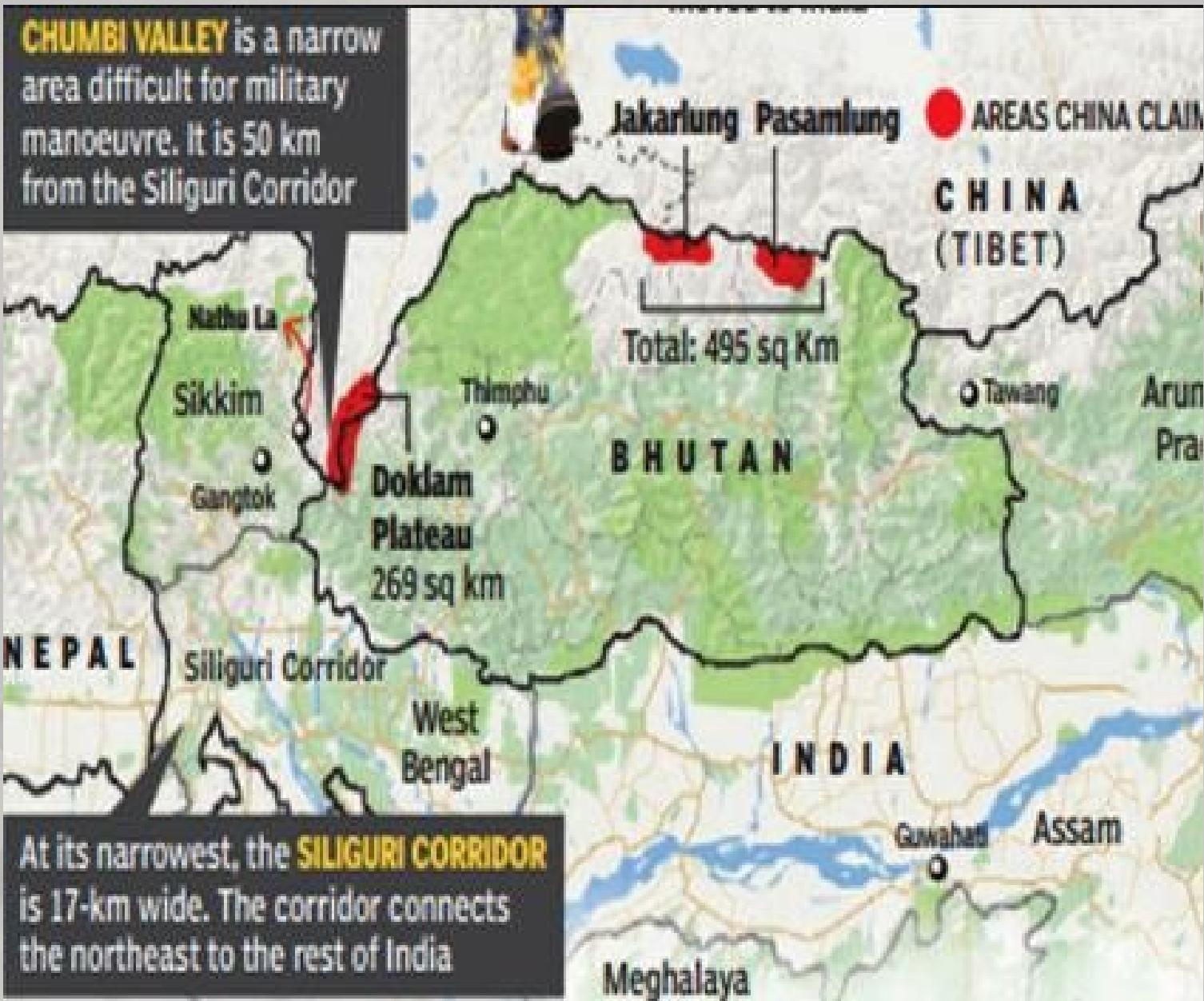








Google



PAKISTAN

Sind

Blue Dotted Line

(Pillars already
exist demarcating
boundary)

Western Bank

Eastern Bank

(India wants
border in the centro
of the creek)

SIR
CREEK

Green Line

Khori Creek

Arabian Sea

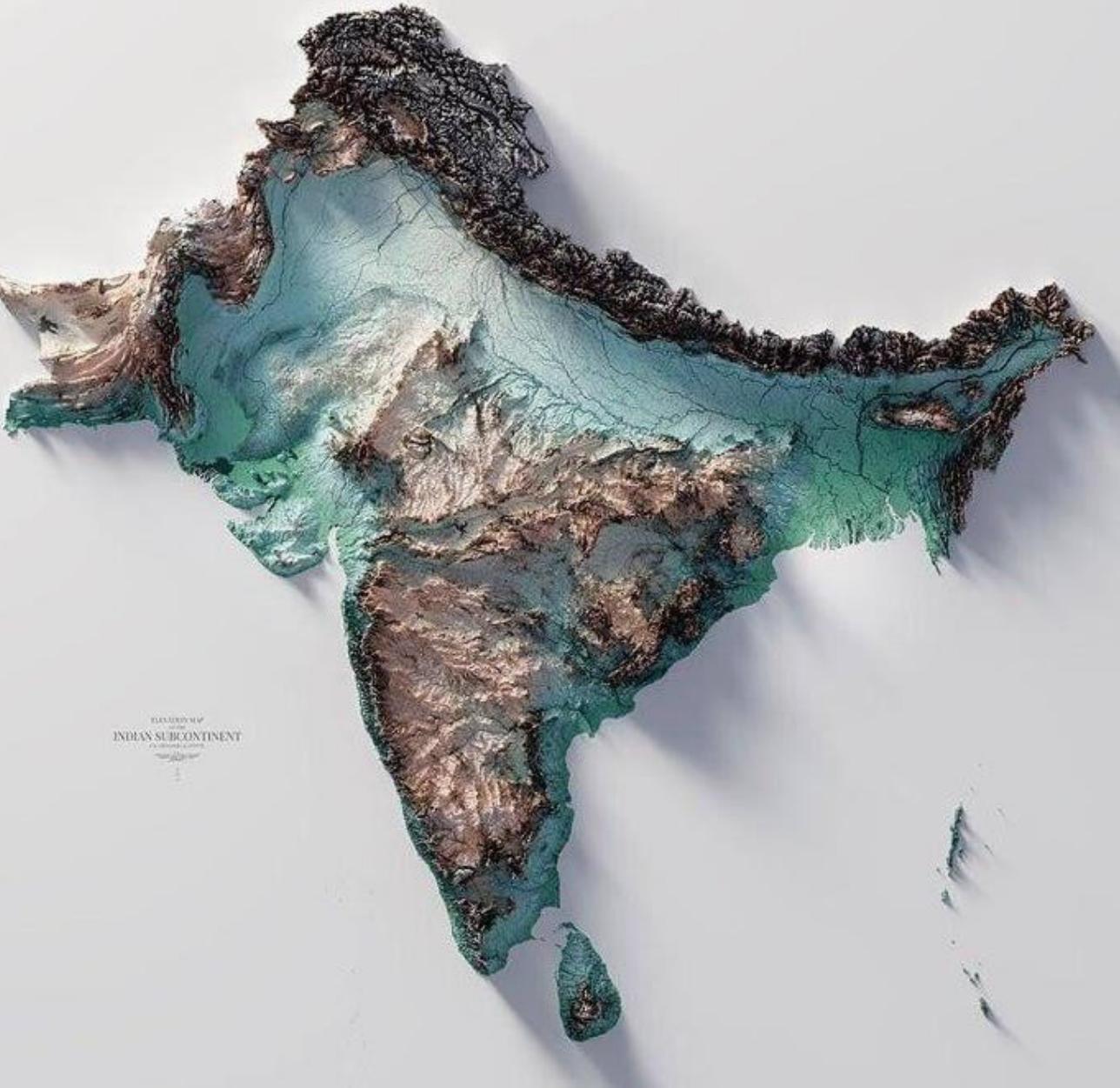
Boundary finally
settled by Govt.
of India

Western
Terminus

INDIA

Gujarat





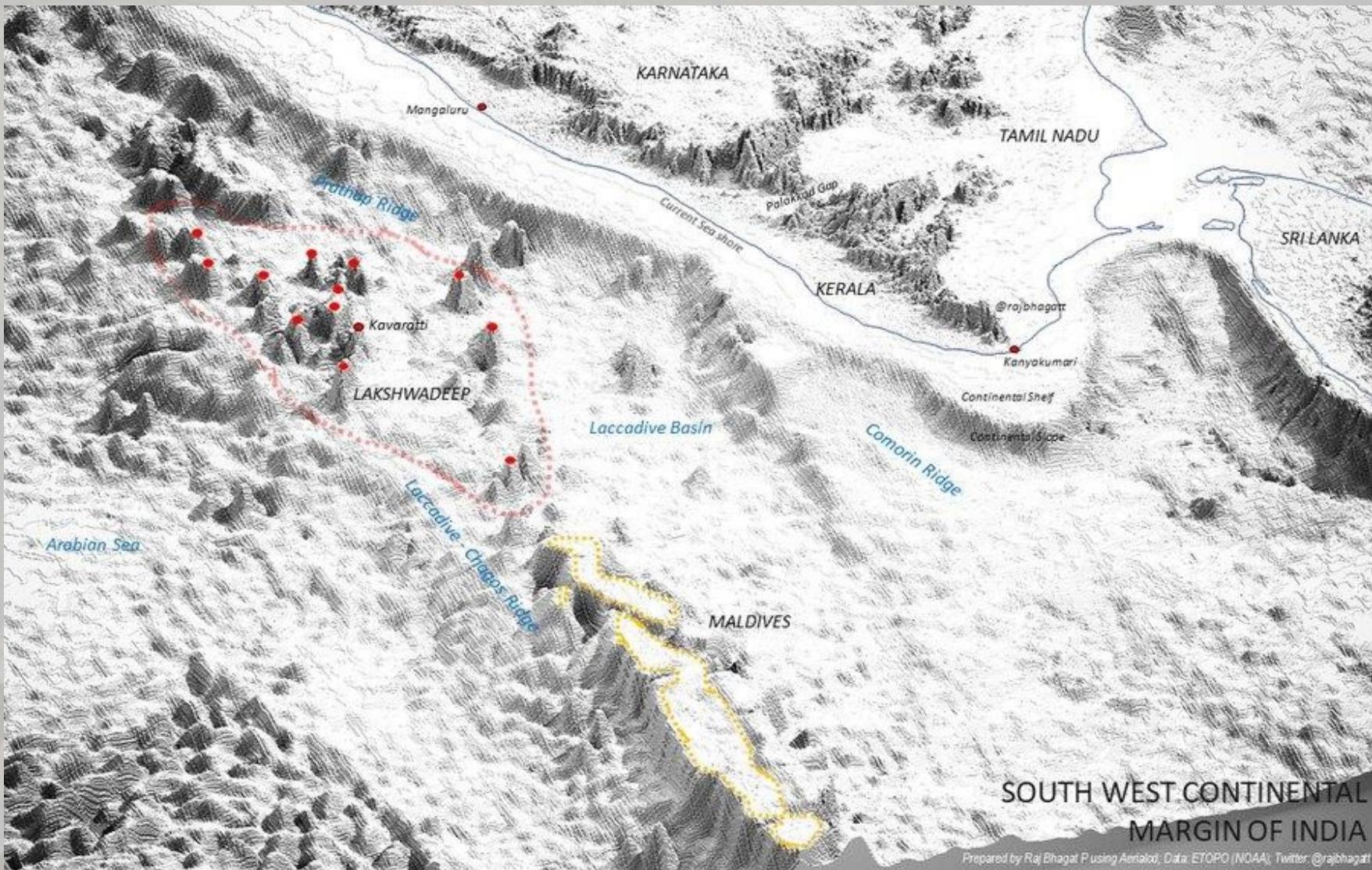
VISION
IAS

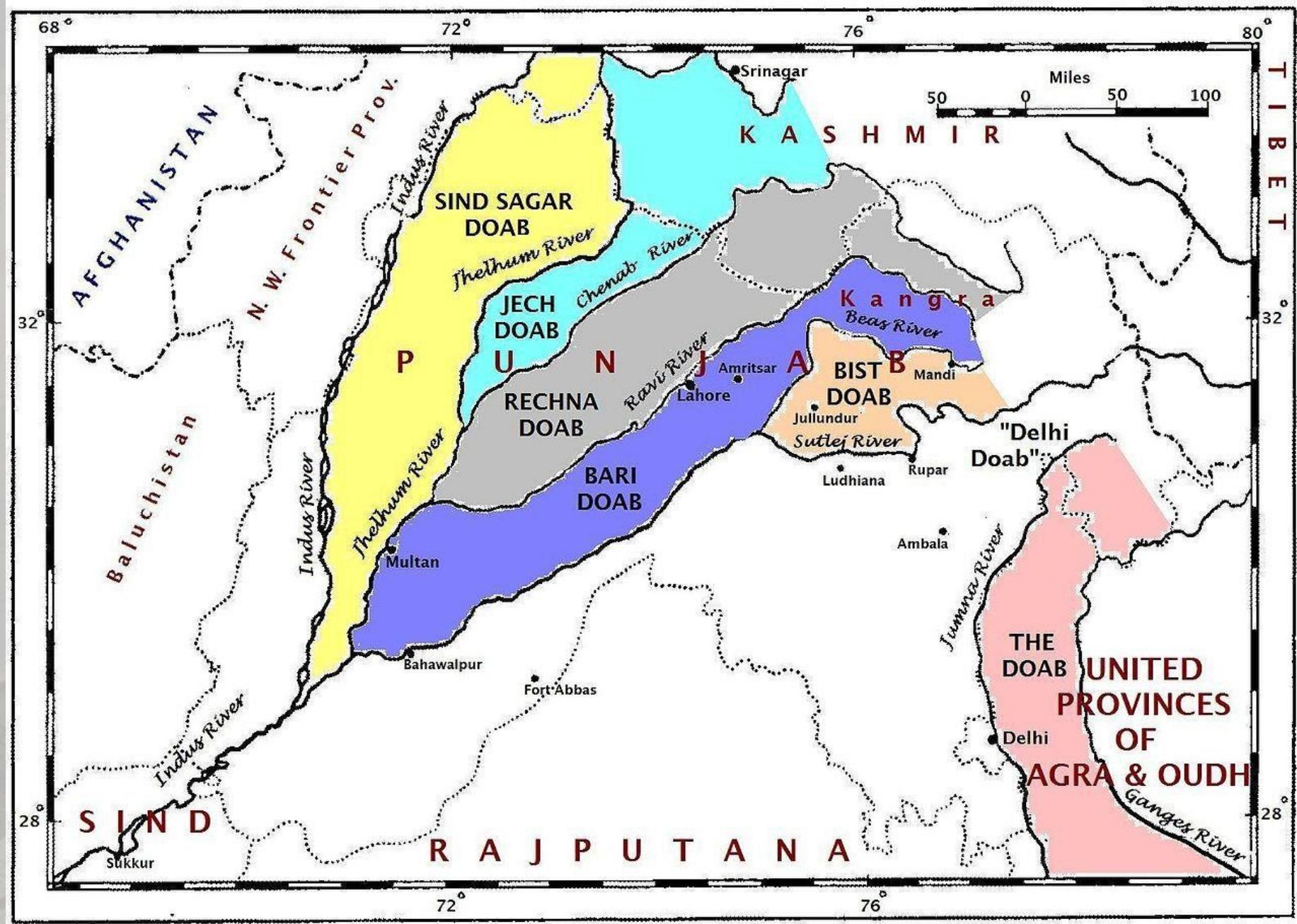




ANDAMAN AND NICOBAR ISLANDS

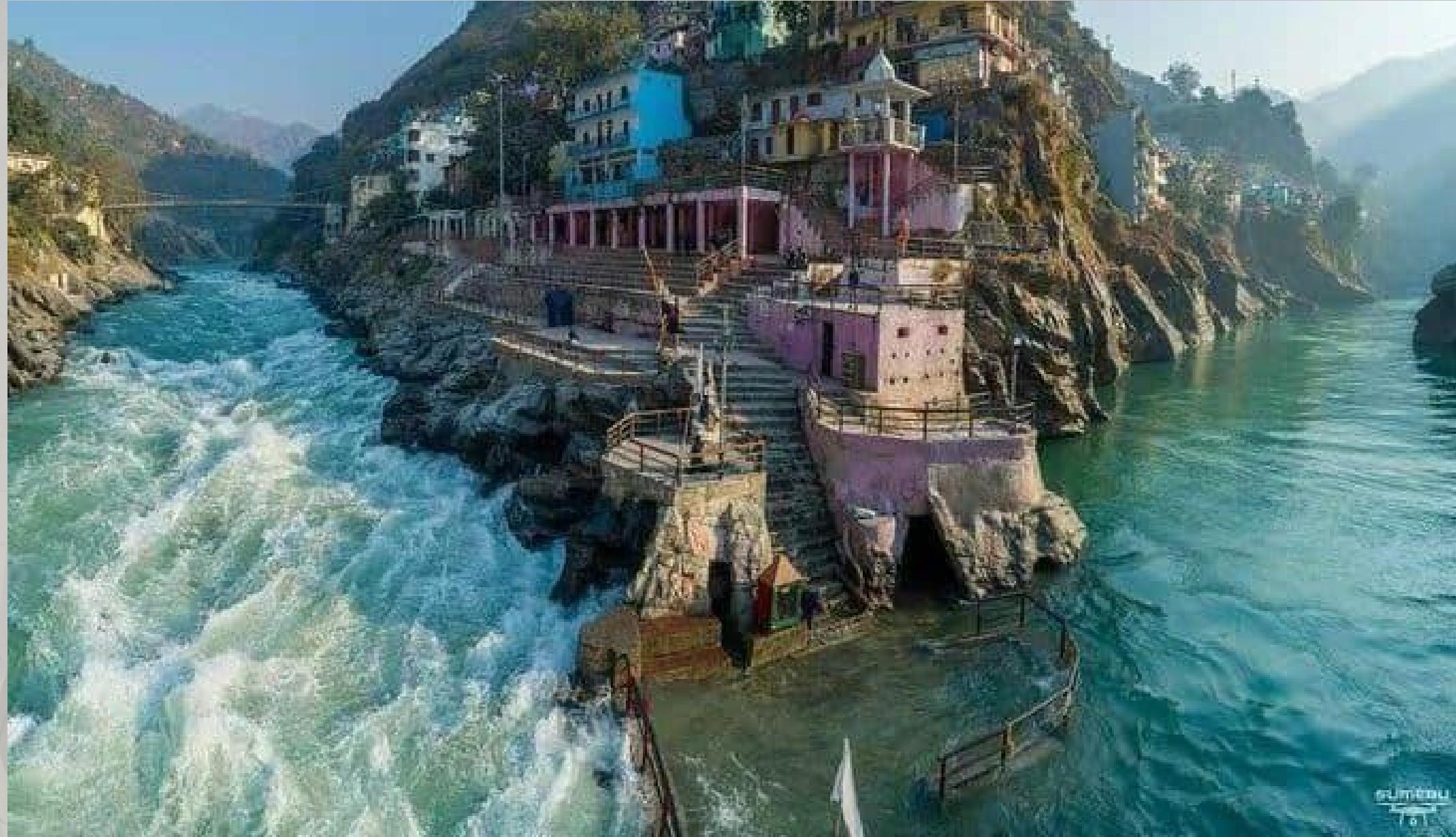






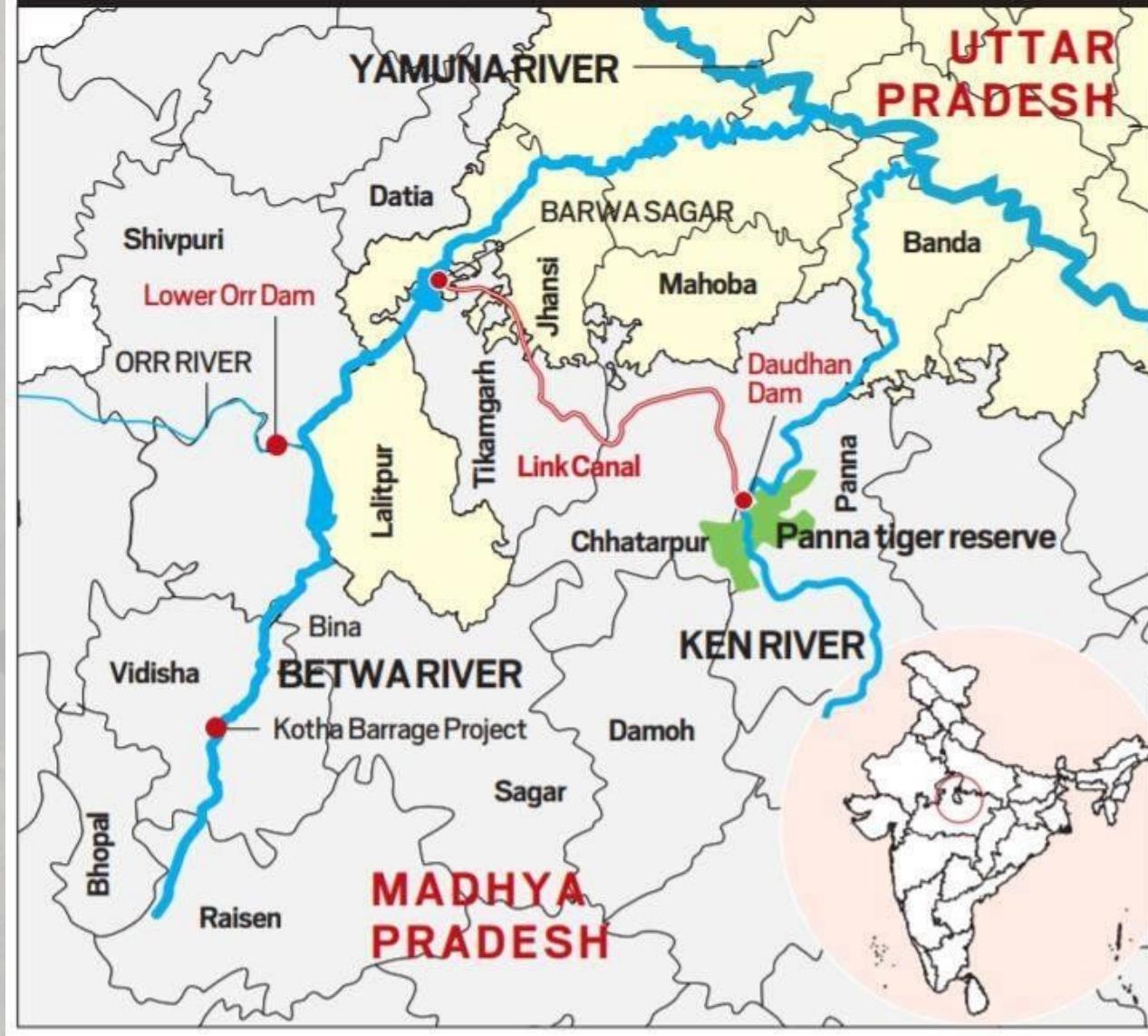




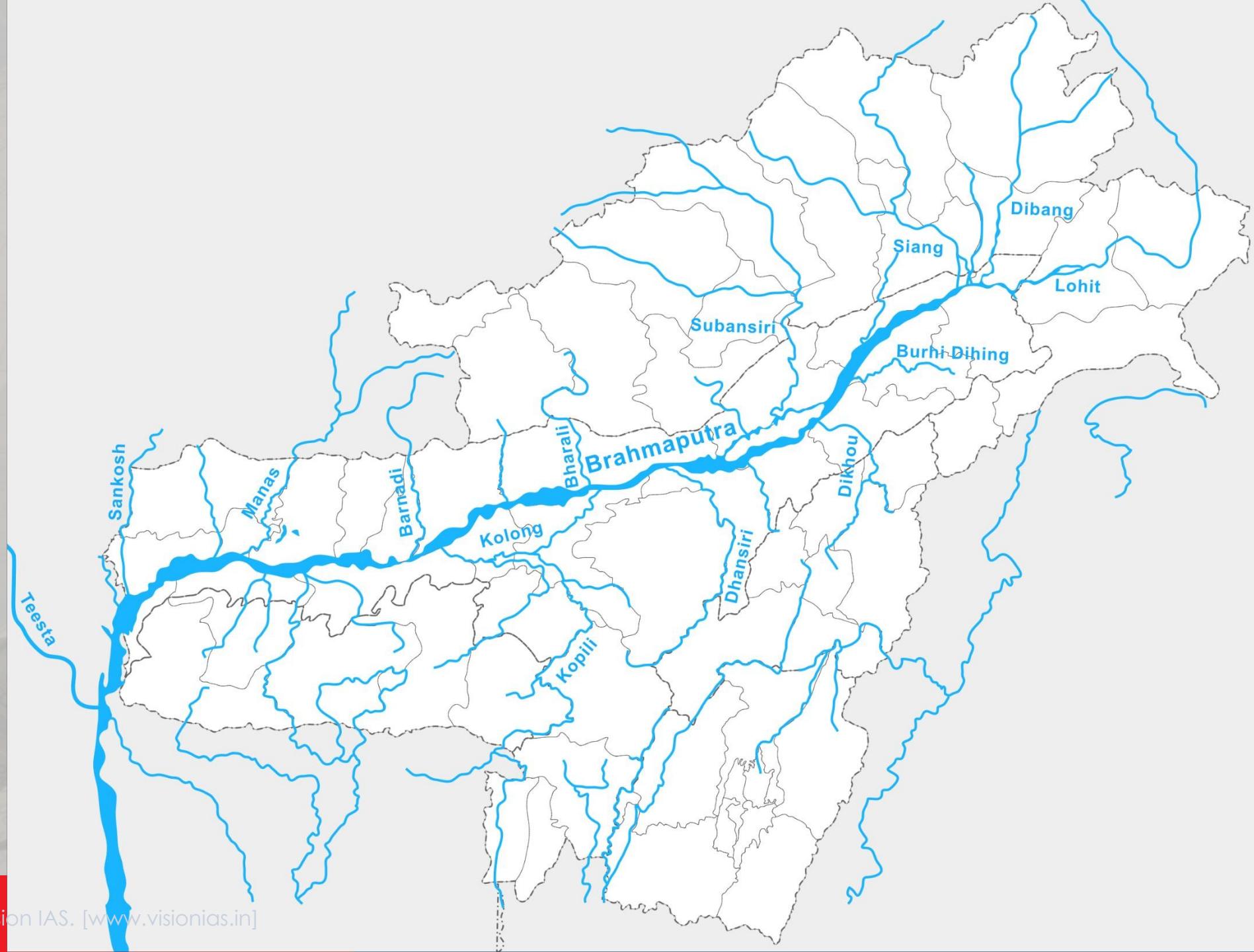




TWO STATES, TWO RIVERS AND A LINK



VISION
IAS





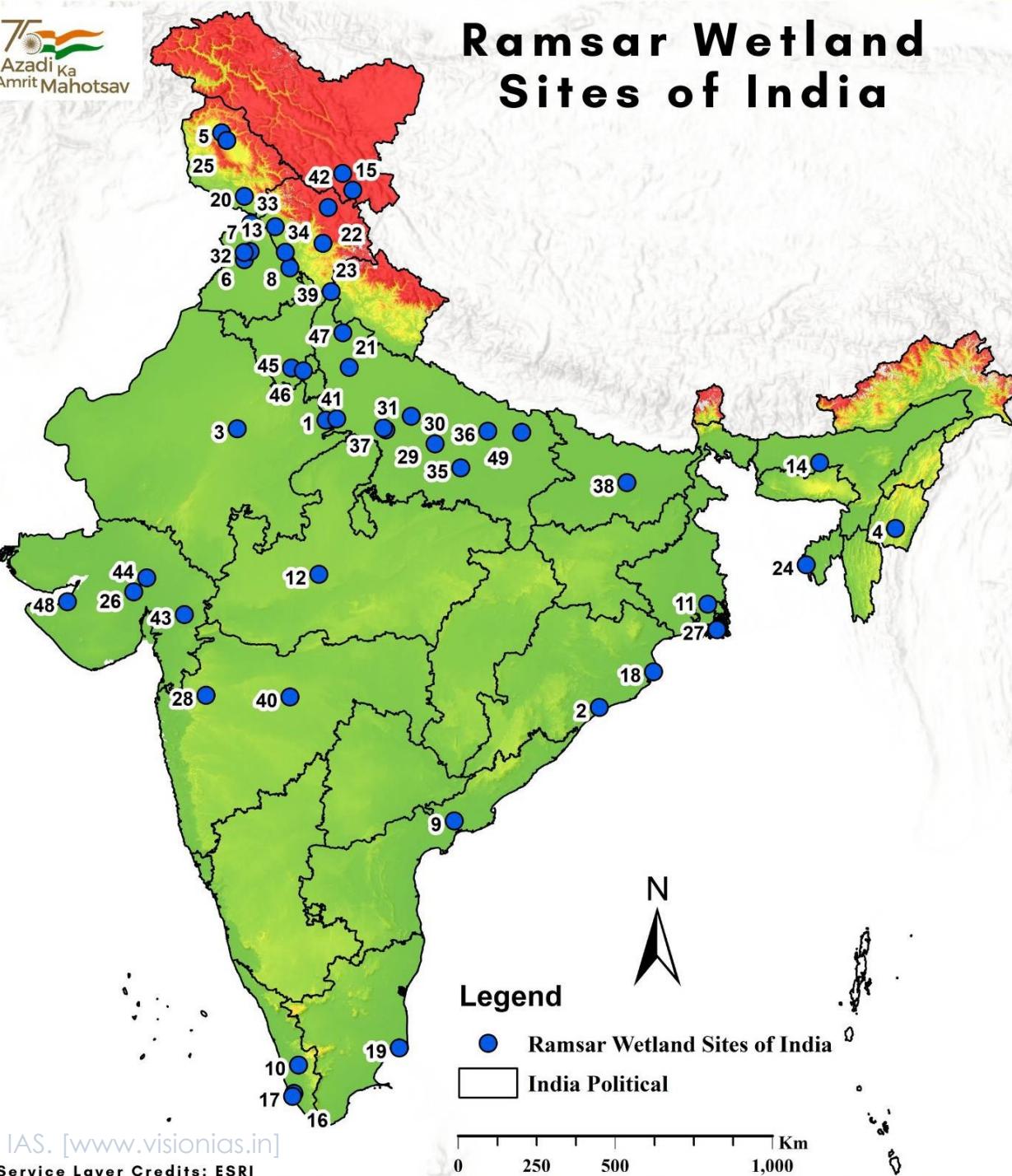
<https://river-runner-global.samlearner.com/>

INDIA

Rivers & Dams

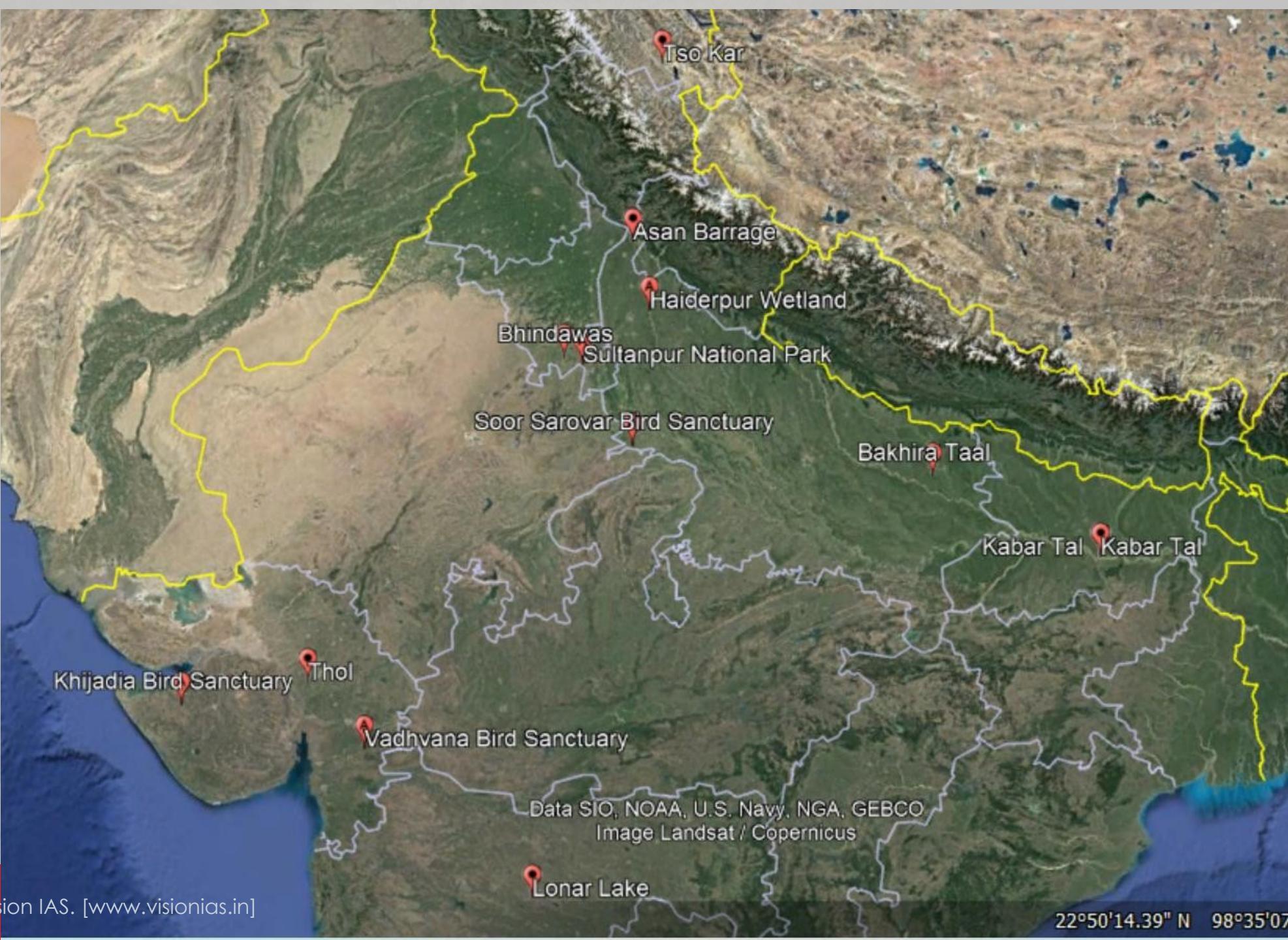


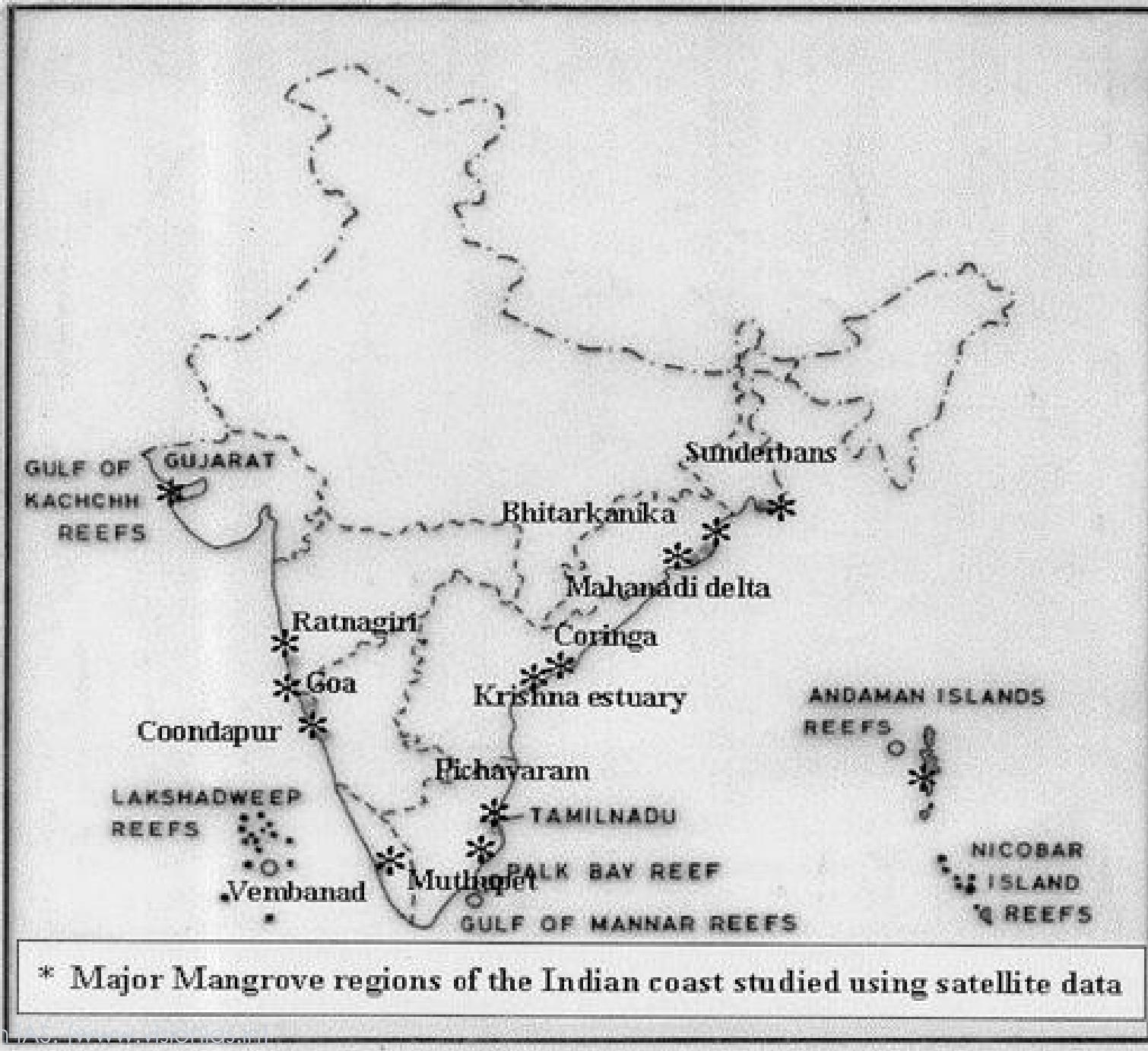
Ramsar Wetland Sites of India

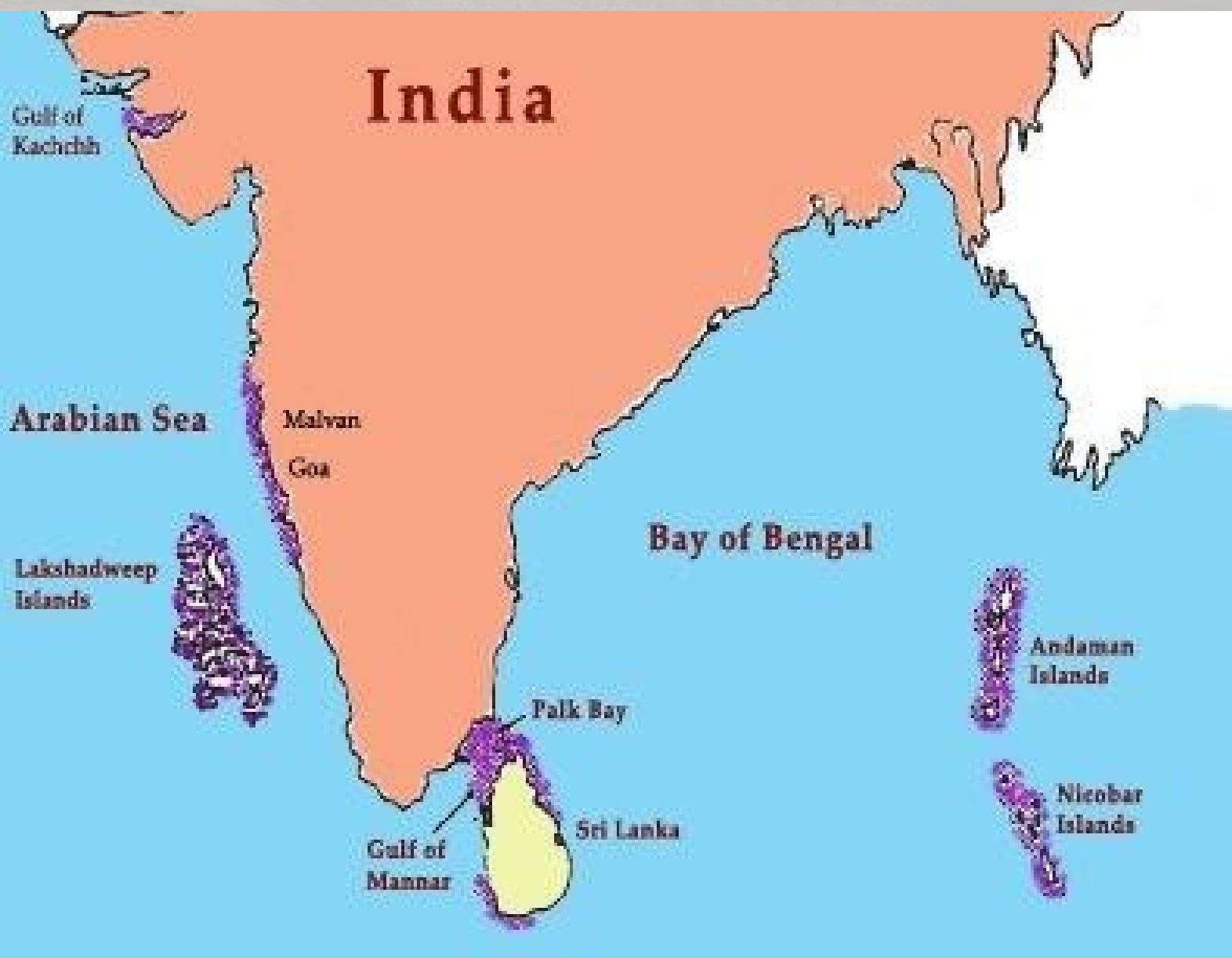


S.No	Site Name	Designation Date	Area (Sq. Km)
1	Keoladeo National Park	01-10-1981	28.73
2	Chilika Lake	01-10-1981	1165
3	Sambhar Lake	23-03-1990	240
4	Loktak Lake	23-03-1990	266
5	Wular Lake	23-03-1990	189
6	Harike Lake	23-03-1990	41
7	Kanjli	22-01-2002	1.83
8	Ropar	22-01-2002	13.65
9	Kolleru Lake	19-08-2002	901
10	Vembanad-Kol Wetland	19-08-2002	1512.5
11	East Calcutta Wetlands	19-08-2002	125
12	Bhuj Wetland	19-08-2002	32.01
13	Pong Dam Lake	19-08-2002	156.62
14	Deepr Beel	19-08-2002	40
15	Tsomeri	19-08-2002	120
16	Sasthamkotta Lake	19-08-2002	3.73
17	Ashramudi Wetland	19-08-2002	61.4
18	Bhitarkanika Mangroves	19-08-2002	650
19	Point Calimere Wildlife and Bird Sanctuary	19-08-2002	385
20	Surinsar-Mansar Lakes	08-11-2005	3.5
21	Upper Ganga River	08-11-2005	265.9
22	Chanderta Wetland	08-11-2005	0.49
23	Renuka Wetland	08-11-2005	0.2
24	Rudrasagar Lake	08-11-2005	2.4
25	Hokera Wetland	08-11-2005	13.75
26	Nalsarovar	24-09-2012	120
27	Sundarban Wetland	30-01-2019	4230
28	Nandur Madhameshwar	21-06-2019	14.37
29	Sarsai Nawar Jheel	19-09-2019	1.6127
30	Nawabganj Bird Sanctuary	19-09-2019	2.246
31	Sandi Bird Sanctuary	26-09-2019	3.0854
32	Beas Conservation Reserve	26-09-2019	64.2892
33	Keshopur-Miani Community Reserve	26-09-2019	3.439
34	Nangal Wildlife Sanctuary	26-09-2019	1.16
35	Samaspur Bird Sanctuary	03-10-2019	7.99371
36	Parvati Arga Bird Sanctuary	02-12-2019	7.22
37	Saman Bird Sanctuary	02-12-2019	5.263
38	Kabartal Wetland	21-07-2020	26.2
39	Asan Conservation Reserve	21-07-2020	4.444
40	Lonar Lake	22-07-2020	4.27
41	Sur Sarovar	21-08-2020	4.31
42	Tso Kar Wetland Complex	17-11-2020	95.77
43	Wadhvana Wetland	05-04-2021	6.3
44	Thol Lake Wildlife Sanctuary	05-04-2021	6.99
45	Bhindawas Wildlife Sanctuary	25-05-2021	4.12
46	Sultanganj National Park	25-05-2021	1.4252
47	Haiderpur Wetland	13-04-2021	69.08
48	Khijadia Wildlife Sanctuary	13-04-2021	5.11745
49	Bakhira Wildlife Sanctuary	29-06-2021	28.94

ENVIS-Resource Partner
Wildlife and Protected Areas
2021-22



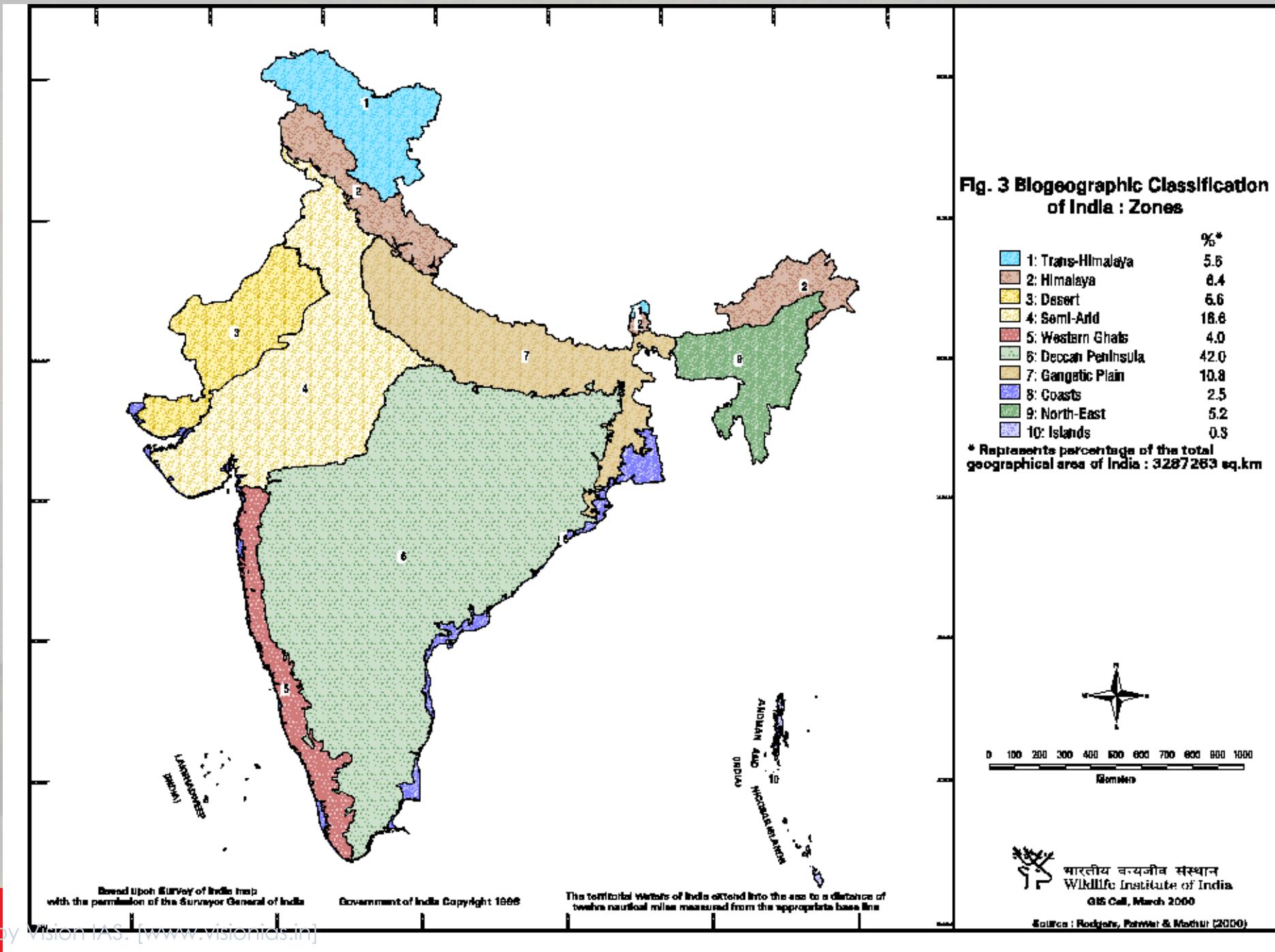






World Heritage Sites

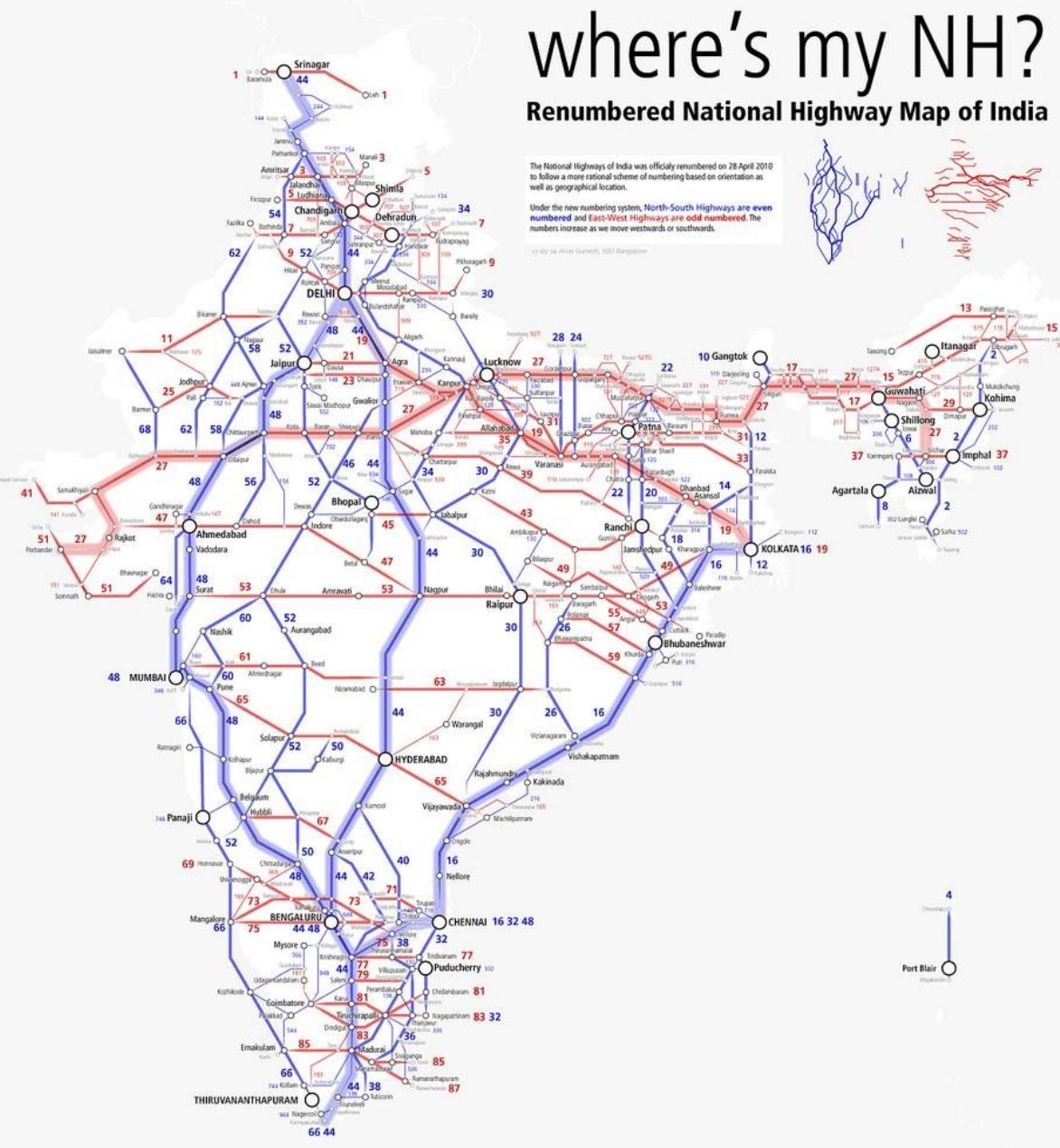
<http://whc.unesco.org/en/statesparties/IN>





where's my NH?

Renumbered National Highway Map of India



11 Industrial Corridors:

- Delhi-Mumbai Industrial Corridor (DMIC)
- Amritsar-Kolkata Industrial Corridor (AKIC)
- Chennai- Bengaluru Industrial Corridor (CBIC)
- Vizag-Chennai Industrial Corridor (VCIC)
- East Coast Economic Corridor (ECEC)
- Hyderabad- Nagpur Industrial Corridor (HNIC)
- Hyderabad- Warangal Industrial Corridor (HWIC)
- Hyderabad- Bengaluru Industrial Corridor (HBIC)
- Bengaluru Mumbai Industrial Corridor (BMIC)
- Extension of CBIC to Kochi via Coimbatore
- Delhi-Nagpur Industrial Corridor (DNIC)



National Waterways

TOTAL LENGTH:

4,503 KM

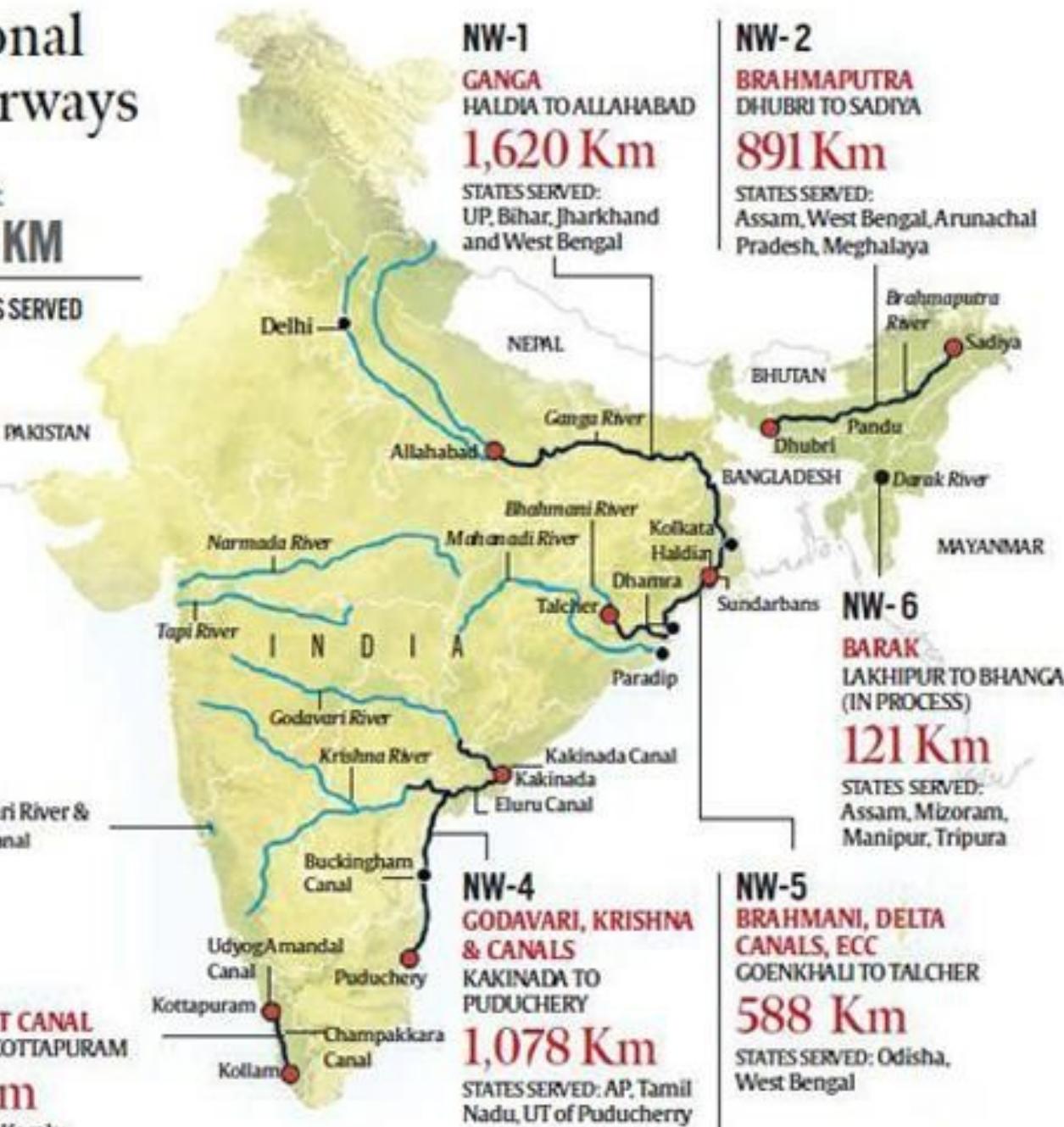
TOTAL STATES SERVED
15

Arabian Sea

Mandovi, Zuari River &
Cumberjua Canal

NW-3

WEST COAST CANAL
KOLLAM TO KOTTAPURAM
205 Km



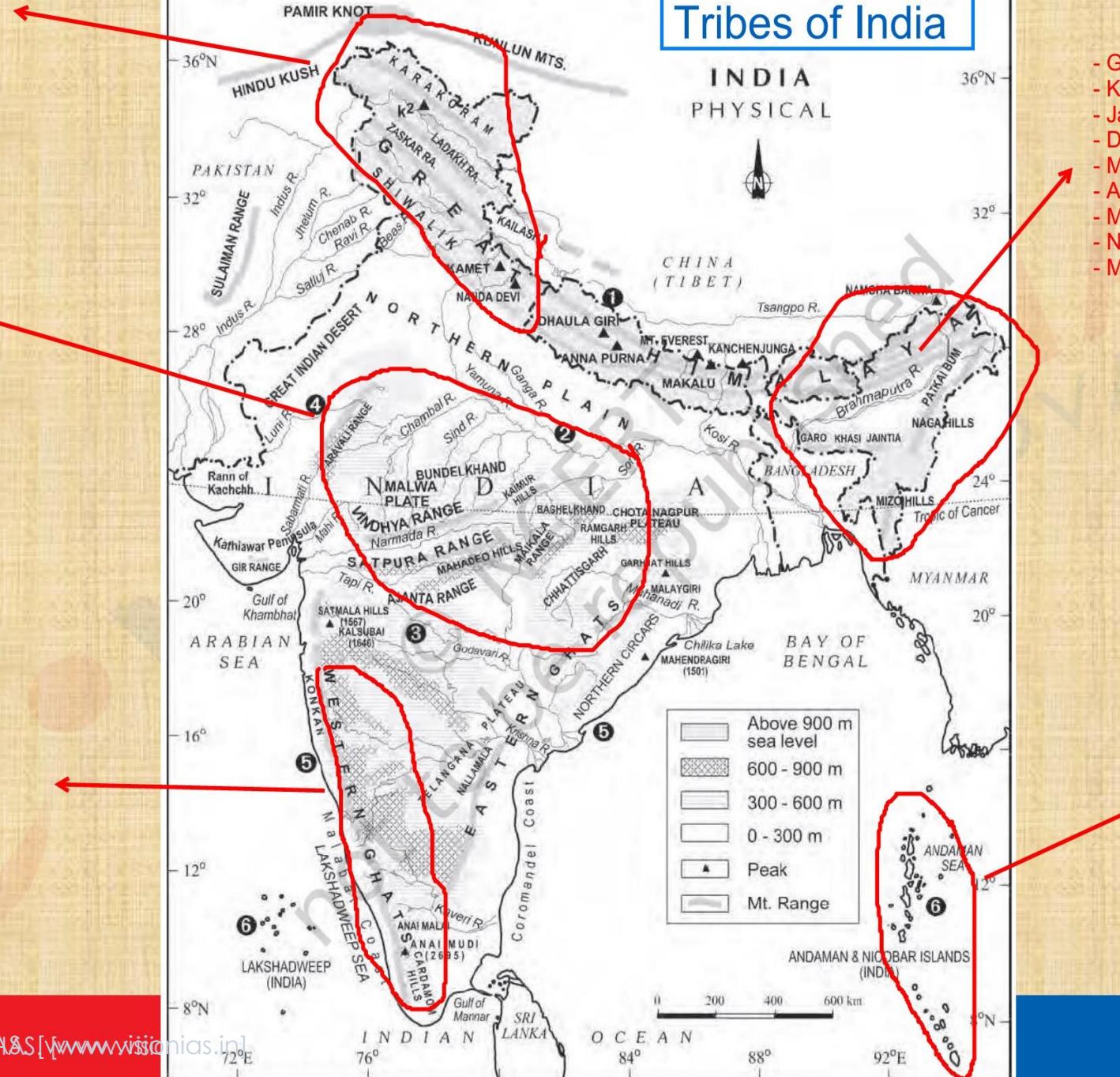
INDIA
**MAJOR & INTERMEDIATE
SEA PORTS**



- Bakerwal
- Gaddis
- Tharu
- Changpa
- Bhotias

- Bhils
- Khonds
- Gond
- Asur
- Munda
- Meena
- Abujmarya
- Bisonhornmarya

- Irulas
- Todas
- Puliyan
- Uralis
- Jenu kurubas
- Chenchu
- Soliga

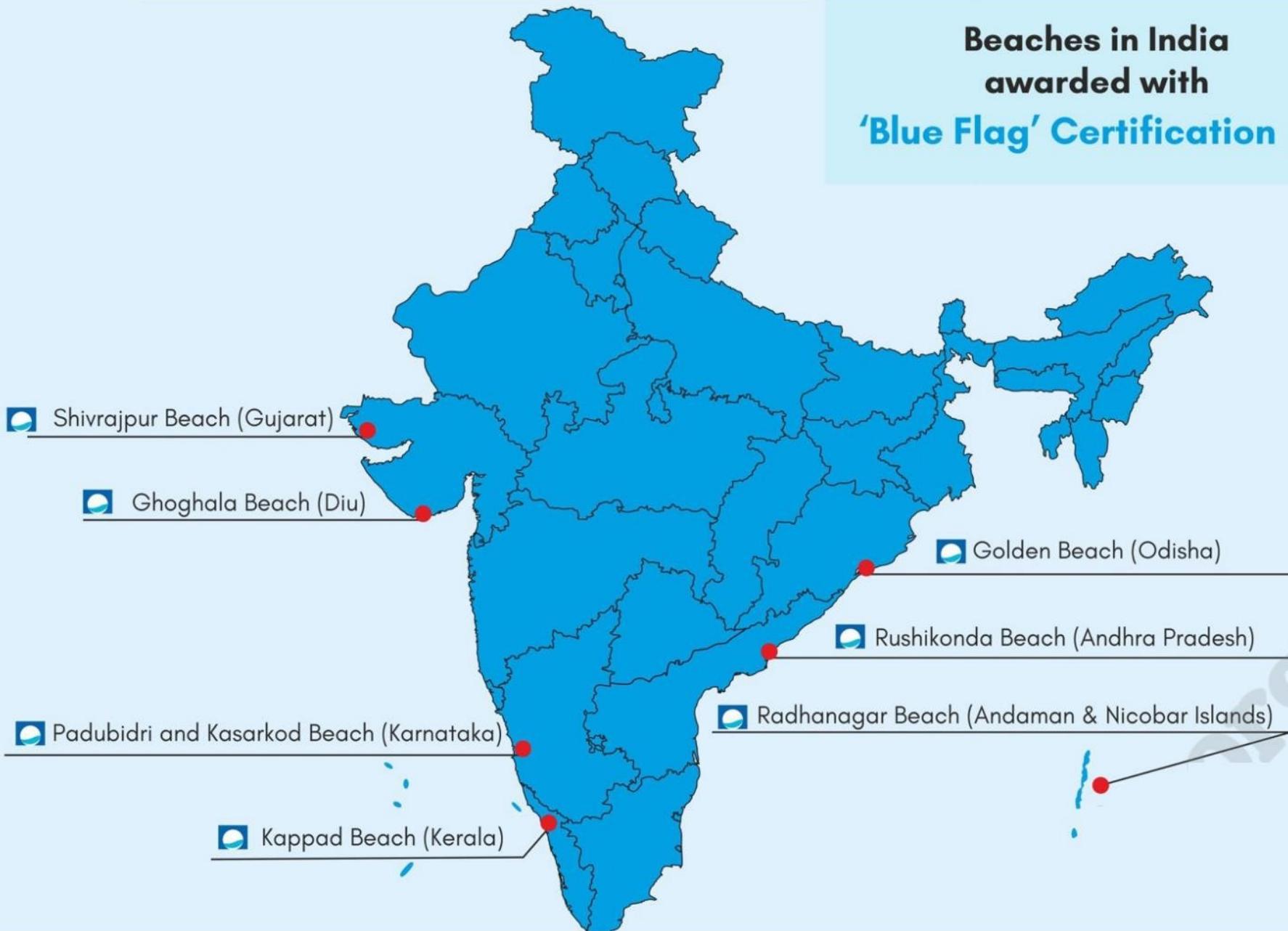


Tribes of India

- Garo
- Khasi
- Jaintia
- Dafla
- Miri
- Abor
- Mishmi
- Naga
- Mikir

- Andamanese
- Nicobarese
- Onge
- Jarawa
- Sentineles
- Shompen

**Beaches in India
awarded with
'Blue Flag' Certification**





Questions??



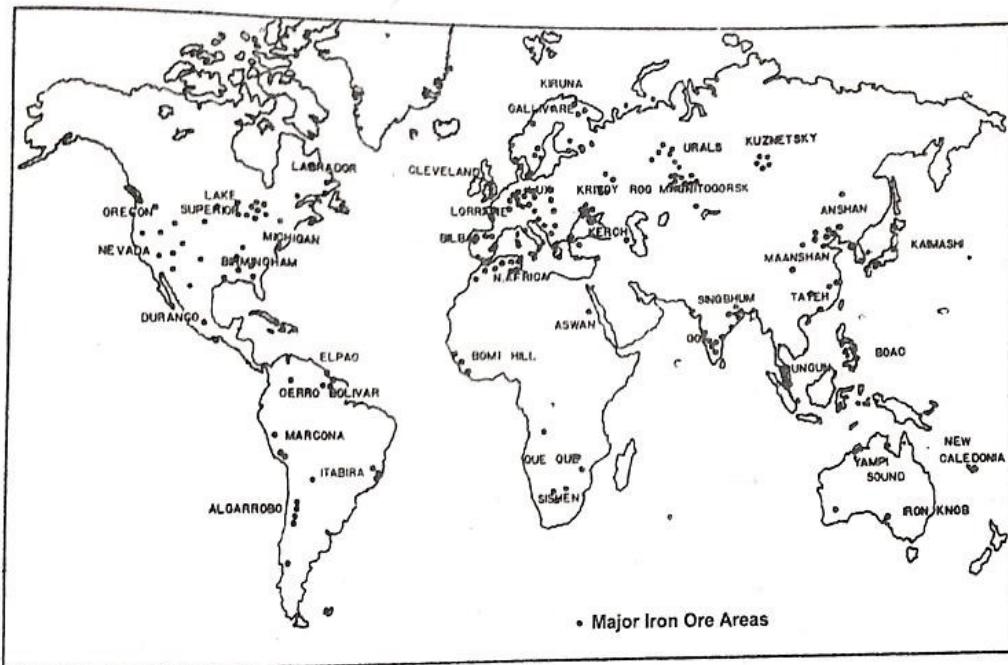
- Online query (For faster reply)
- Read and revise what is taught
- Read the reference material
- Mentoring sessions

If Dil Maange beyond MORE...

Mail: rajesh@visionias.in
Twitter: [@naturiousoul](https://twitter.com/naturiousoul)

World locations of minerals and energy resources

1. Iron Ore



- **North America:** Lake Superior region, NE USA, Labrador, Newfoundland
- **South America:** Itabira (Brazil), Cerro Bolivar (Venezuela)
- **Europe:** Kiruna & Gallivare (Sweden), Bilbao (Spain)
- **Africa:** Bomi hills (Liberia), Postmasberg & Transval (South Africa)
- **Asia:** Krivoy Rog, Kerch (Ukraine) , Kuzbas, Magnetogorsk (Siberia), machuria (China)
- **Australia:** Iron knob, Mt.Goldsworthy

2. Manganese



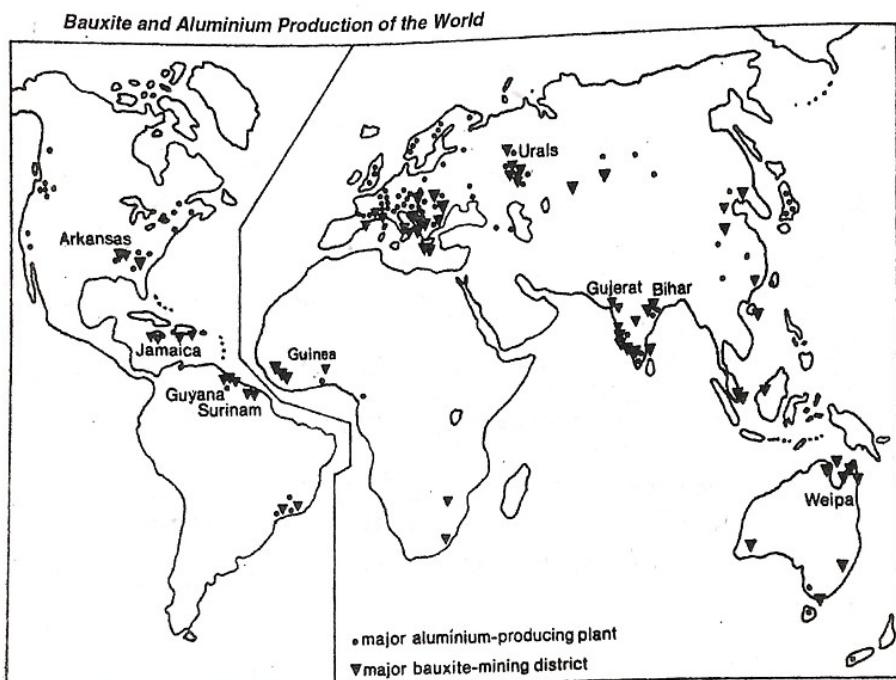
- **South America:** Macapa, Minas Gerais (Brazil), Western Mato Grosso
- **Africa:** Zaire, Postmasberg (South Africa)
- **Asia:** Nikopol and Tokmak (Ukraine), Chiatura (Georgia), Urals

3. Copper



- **North America:** Sudbury, Lynn Lake (Canada)
- **South America:** Casapalco (Peru), Chuquicamata & San Jose (Chile)
- **Africa:** Katanga
- **Asia:** Lake Balkash (Russia), Ulanbatore (Mongolia)

4. Bauxite (Aluminium)



- **North America:** Alabama, Arkansas (USA)
- **South America:** Jamaica, Guyana, Surinam
- **Europe:** France, Hungary
- **Africa:** Guinea
- **Asia:** Urals, Krasnaya (Russia)
- **Australia:** Weipa, Cape York, Darling range

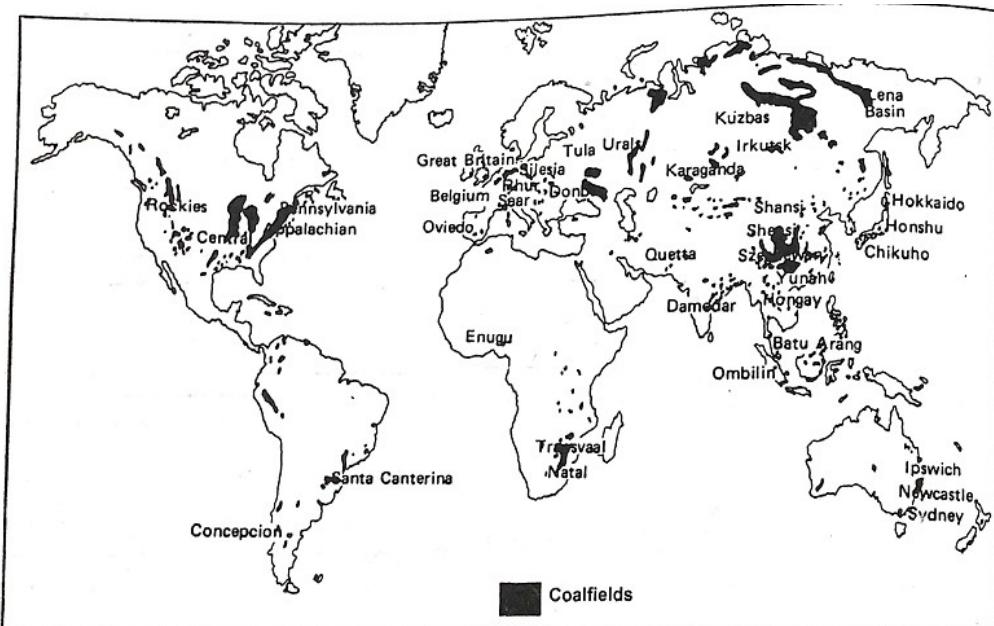
5. Gold and silver

- **North America:** Yellow knife (Canada), California, Alaska (US)
- **Africa:** Witwatersrand (South Africa)
- **Asia:** Kolyma river, Lake Baikal
- **Australia:** Kalgoorlie and Coolgardie

6. Tin

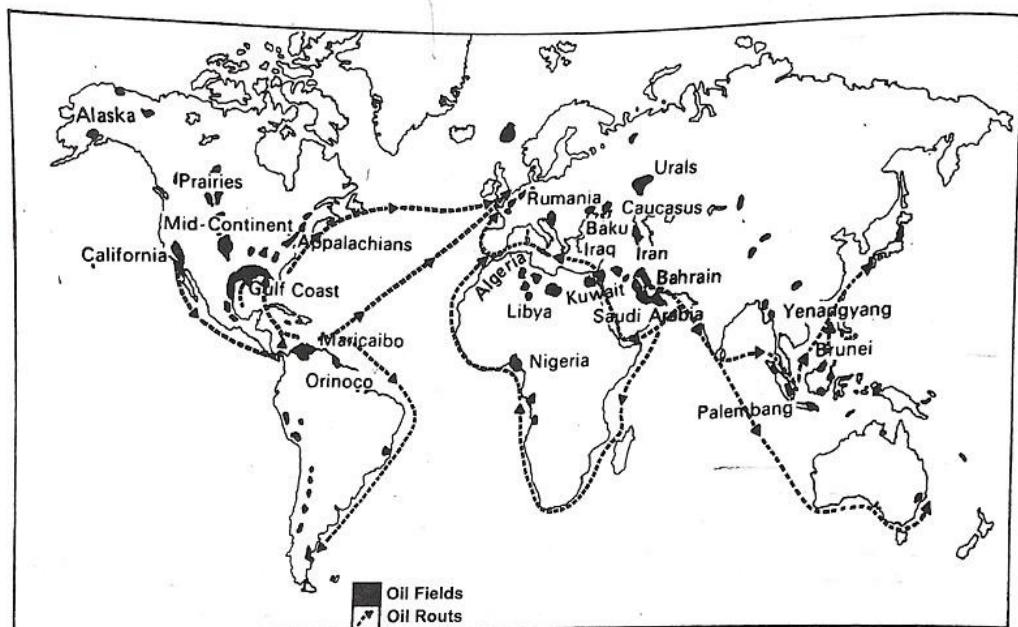
- **Africa:** Jos plateau (Nigeria)
- **Asia:** Kinta valley, Kelang valley (Malaysia), Kra peninsula, Phuket island (Thailand), Sumatra (Indonesia)

7. Coal



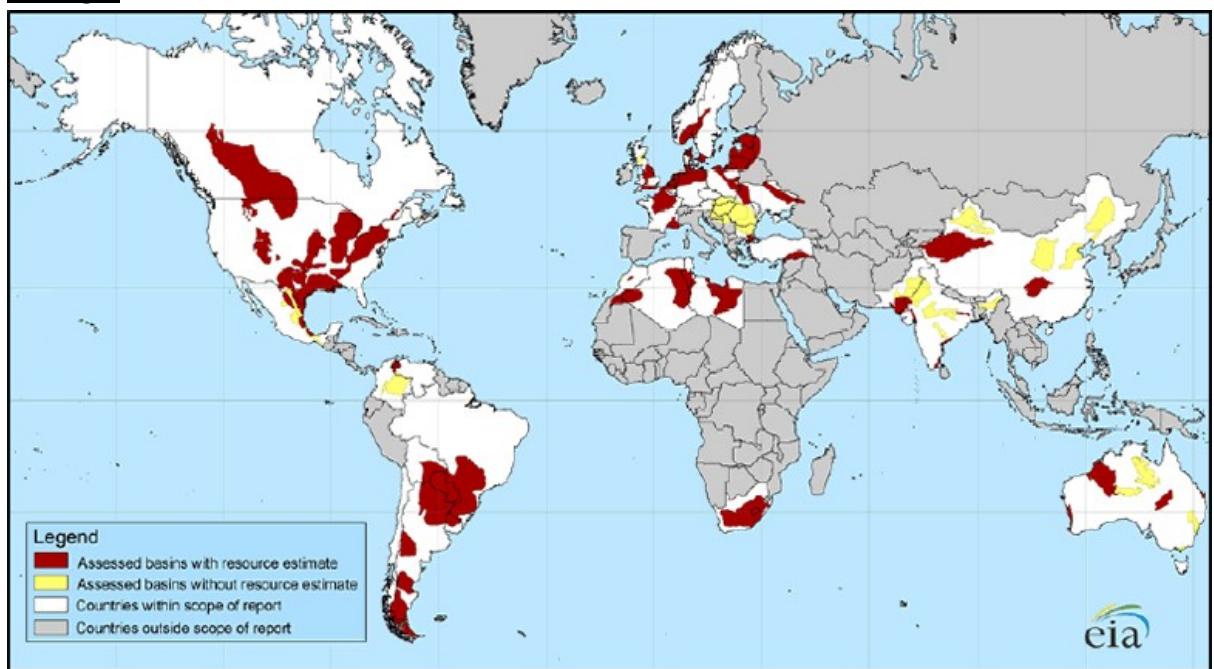
- **North America:** Pennsylvania, Appalachian, Rockies, Mexican gulf (USA), Vancouver, Nova scotia (Canada)
- **South America:** Santa Caterina (Brazil), Concepcion (Chile)
- **Europe:** Great Britain, Ruhr & Saar (Germany), Spain
- **Africa:** Zambia, Zimbabwe, Enugu (Nigeria), Transval & Natal (South Africa)
- **Asia:** Donetsk, Donbas, Moscow – tula, Kuzbas, Urals, Lena (Russia), Shanzi, Shantung, Yunnan (China)
- **Australia:** Ipswich, New castle

8. Petroleum



- **North America:** Gulf coast, Appalachian, California, Alaska (USA), Prairies, Edmonton, Calgary (Canada)
- **South America:** Maracaibo, Orinoco basin (Venezuela), Magdalena (Columbia), Punta Arenas (Chile), Falkland
- **Europe:** North Sea, Norway
- **Africa:** Algeria, Libya, Nigeria – Niger delta
- **Asia:** Dhaharan, Quatif (Saudi Arabia), Mosul, Kirkuk, Zubair (Iraq), Masjid Sulaiman (Iran), Kuwait, Bahrain, Qatar, Abudabhi (UAE); Baku (Azerbaijan), Urals, Caucasus, Caspian sea, NW Siberia, Sakhalin (Russia); Sumatra, Borneo (Indonesia); Brunei; Sarawak, Sabah (Malaysia), China

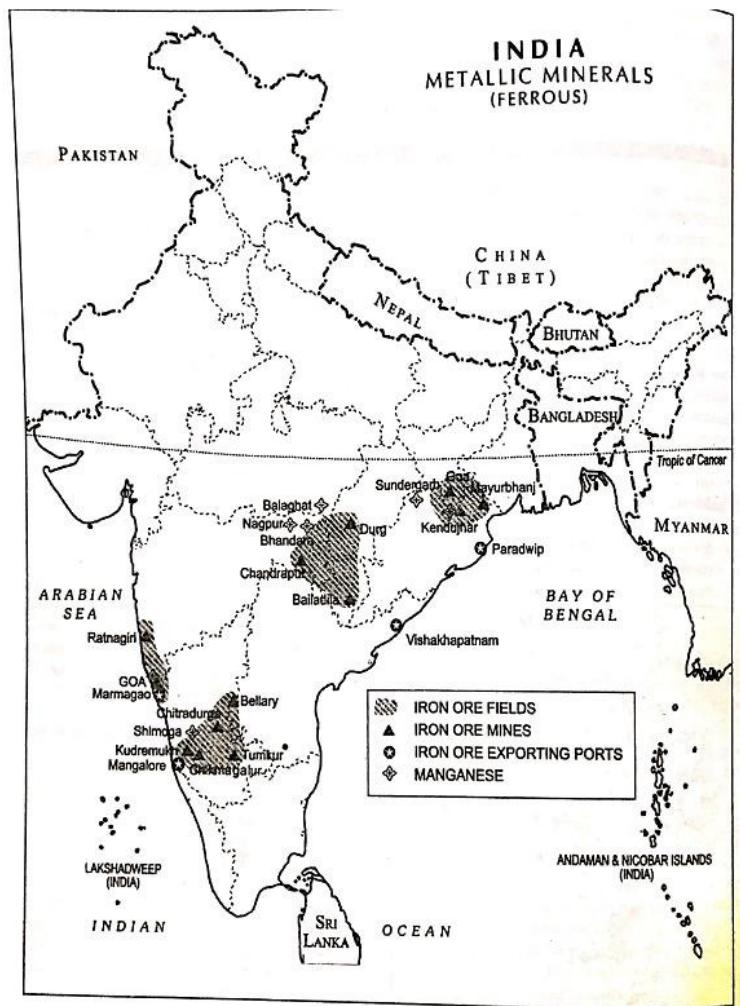
9. Shale gas



- China, Argentina, Algeria, USA, Canada, Mexico, Australia, South Africa, Russia, Brazil

India – Mineral and Energy resources

1. Iron

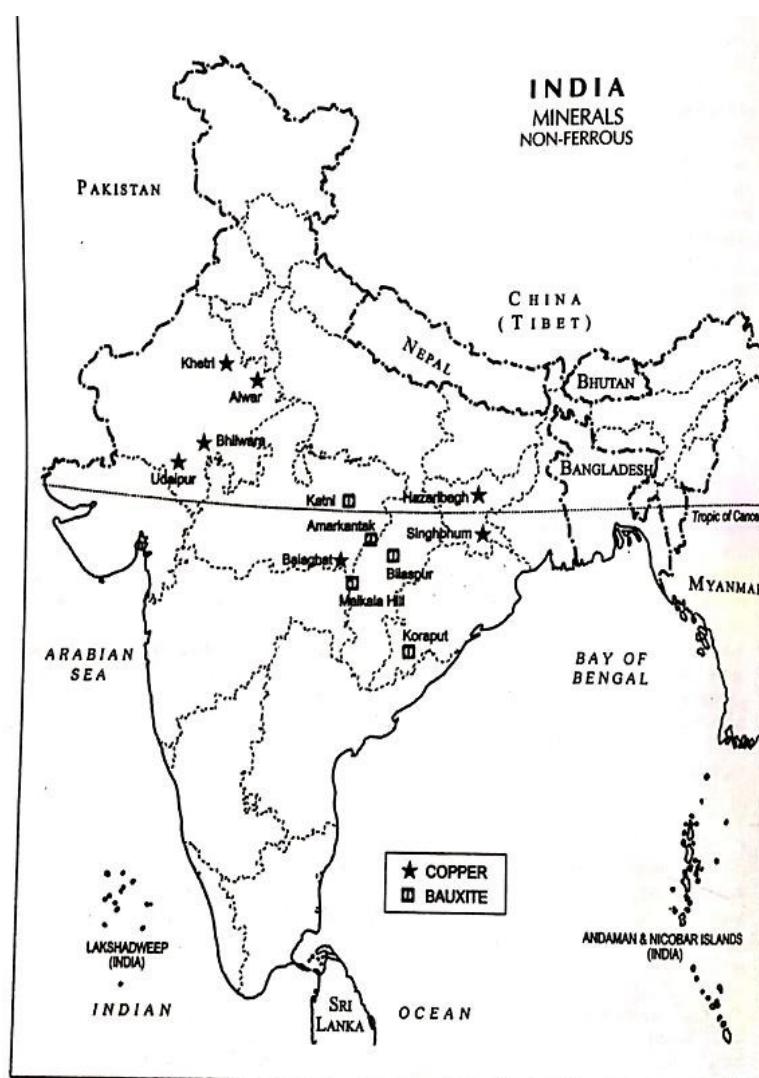


- ✓ Odisha: Gurumahisani, Sulepat and Badam Pahar in Mayurbhanj district; Baramjader group extended in Keonjhar and Sundargarh districts.
- ✓ Singhbhum district of Jharkhand
- ✓ Bailadilla of Bastar district in Chhattisgarh;
- ✓ Sandoor Hills at Bellary - Hospet region and Bababudan Hills at Chikmaglur district in Karnataka;

2. Manganese

- ✓ Keonjhar and Karaput region in Orissa
- ✓ Balaghat and Chindwara in Madhya Pradesh
- ✓ Nagpur and Bhandara in Maharashtra
- ✓ Panchmahal in Gujarat
- ✓ Vishakhapatnam and Srikakulam in Andhra Pradesh
- ✓ Singhbhum in Jharkhand
- ✓ Udaipur and Banswara in Rajasthan

3. Copper



- ✓ Singhbhum in Jharkhand;
- ✓ Jhunjhunu, Bhilwara, Alwar and Udaipur in Rajasthan; Khetri Mine in Rajasthan has been a major copper extracting region since the age of Indus valley civilization.
- ✓ Balaghat in Madhya Pradesh;
- ✓ Guntur and Nellore districts in Andhra Pradesh.

4. Bauxite

- ✓ Ranchi and Palamau in Jharkhand
- ✓ Sarguja, Shah dole, Durg and Balaghat in Madhya Pradesh;
- ✓ Kolaba, Thane and Ratnagiri in Maharashtra;
- ✓ Belgaon and Bababudan Hills in Karnataka;
- ✓ Palni, Javdi and Shevaroy hills regions in Tamil Nadu

5. Mica

- ✓ Muscovite and Biotite types of mica are extracted from Hazaribagh, Singhbhum and Palamu districts.
- ✓ Other major mica producing regions are Gaya and Munger in Bihar
- ✓ Nellore and Khammam in Andhra Pradesh
- ✓ Udaipur and Bhilwara districts in Rajasthan.

6. Coal



Coal Distribution in India

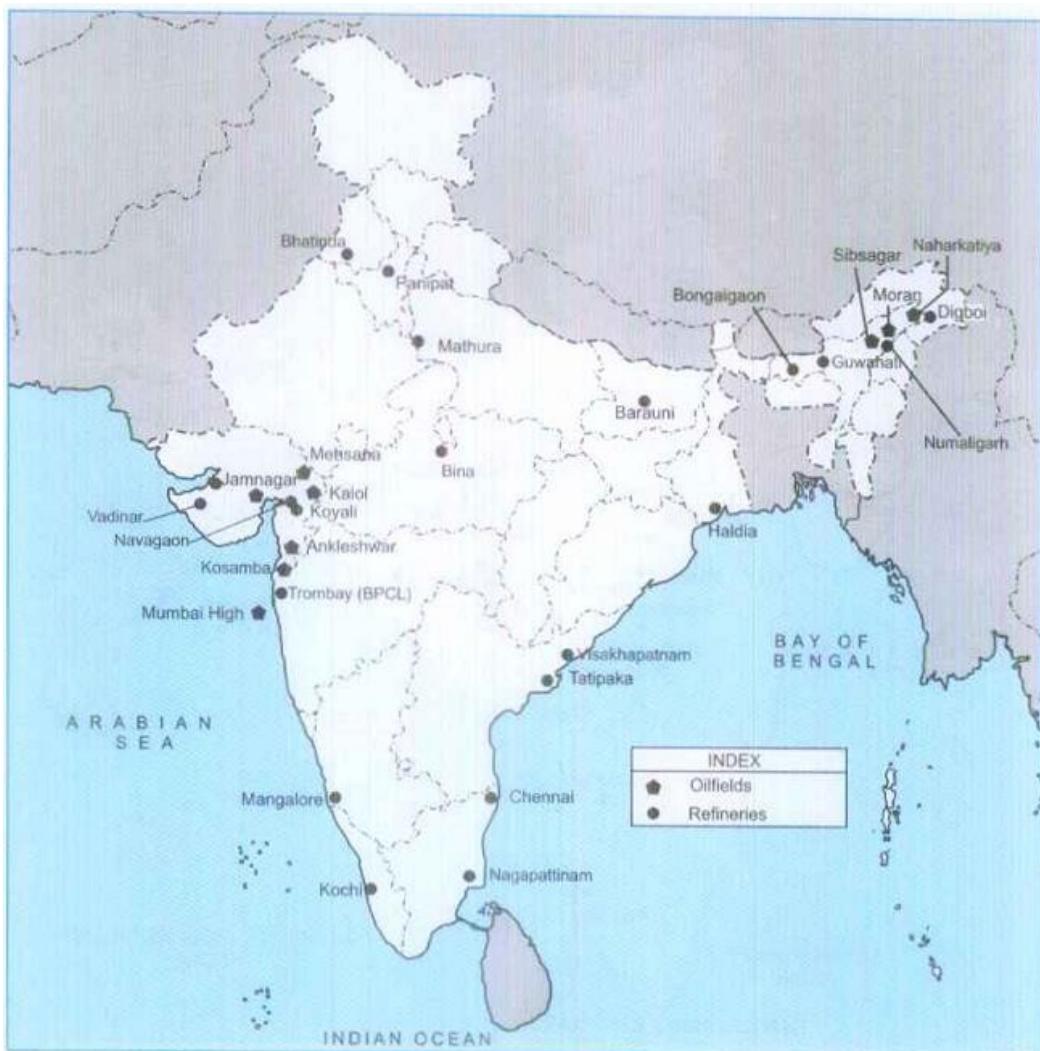
- ✓ The main regions of Gondwana rocks are found in West Bengal, Jharkhand and Orissa from where 76% of the total coal production is found.
- ✓ The first effort made to extract coal with modern technology in India was at Raniganj coal region in West Bengal. Raniganj area of West Bengal, located in upper valley of Damodar river, is the most important and the largest coal area of India.
- ✓ A good quality of Bituminous coal is found in Jharia, Bokaro, Giridih, Karanpura, Ramgarh, etc. of Jharkhand.
- ✓ Tatapani-Ramkola of Chhattisgarh
- ✓ Talchar- coal area of Orissa (Brahmani river valley)

- ✓ Singreni coal areas (Krishna Godavari river valley) of Andhra Pradesh are other major important area of coal.
- ✓ Tertiary coal is found in Neyveli (Tamil Nadu, famous for Lignite) and Palana (Rajasthan).

Table 11.1. Gondwana Coalfields

State	River Valley	Coalfields
1. Jharkhand	Damodar	Jharia, Karpura, Ramgarh, East and West Bokaro, Giridih, Auranga, Hutar and Daftonganj.
2. Odisha	Mahanadi	Sambalpur, Sundargarh and Talcher.
3. Madhya Pradesh	Mahanadi/Son	Singrauli, Narsingpur, Chhindwara, Betul.
4. Chhattisgarh	Mahanadi/Son	Sarguja, Sendurgarh, Rampur, Korba and Raigarh.
5. Maharashtra	Godavari	Kamptee, Wardha valley, Chandrapur and Yavatmal.
6. Andhra Pradesh	Godavari	East and West Godavari.
7. Telangana	Godavari	Adilabad, Khammam and Warangal.
8. West Bengal	Damodar	Raniganj, Bardhaman, Bankura, Purulia, Darjeeling and Jalpaiguri.

7. Petroleum and Natural Gas



- ✓ Assam region: Digboi, Naharkatiya, Hagriyan-Moran and Surma river valley. Natural gas is also found in Bagrijan-Moran area.
- ✓ Gujarat region: Khambat and Ankleshwar while oil regions are extended upto Navgaon, Kosamba, Olpad, Dholka, Mehsana, Kalal etc.
- ✓ Mumbai High region, 176 km away from the Mumbai coast
- ✓ Region off-shore in Krishna - Godavari river valley.

8. Shale gas

Prospective basins for phase 1 shale oil and gas exploration



India – Industrial regions



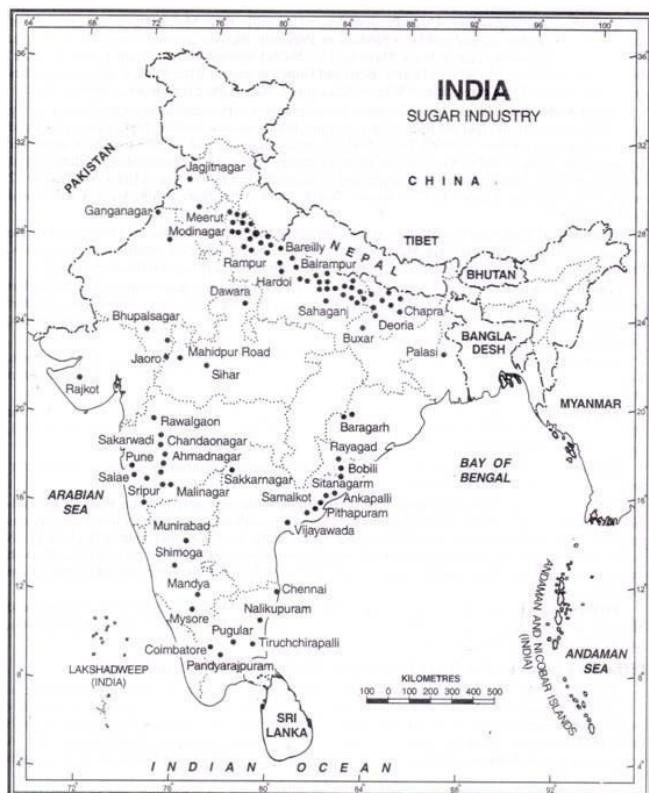


FIG. 27.17. India : Distribution of Sugar Industry



Metal Based Industries

Major Industries in India

Industry	States and Main Centres of Production
1. Iron and Steel	<ol style="list-style-type: none"> 1. Tata Iron and Steel Company (TISCO) — Jamshedpur, Jharkhand. 2. Bokaro Steel Plant — Hazaribagh, Jharkhand. 3. Durgapur Steel Plant — Burdwan, West Bengal. 4. Bhilai Iron and Steel Plant — Durg, Chhattisgarh. 5. Rourkela Steel Plant — Sundargarh, Odisha. 6. Indian Iron and Steel Company (IISCO) — IISCO Plants are located at Burnpur, Hirapur and Kulti, near Asansol, West Bengal. 7. Vishvesvaraya Iron and Steel Limited — Shinoga, Karnataka. 8. Vijayanagar Steel Plant — Bellary, Karnataka. 9. Vishakhapatnam Steel Plant — Vishakhapatnam, Andhra Pradesh. 10. Salem Steel Plant — Salem, Tamil Nadu.
2. Heavy Engineering Industry	
(A) Shipbuilding	<ol style="list-style-type: none"> 1. Hindustan Shipyard Limited (HSL) — Vishakhapatnam, Andhra Pradesh. 2. The Cochin Shipyard — Cochin, Kerala. 3. The Garden Reach Workshop — Kolkata, West Bengal. 4. The Mazagaon Dock Limited (MDL) — Mumbai, Maharashtra.
(B) Automobile	<ol style="list-style-type: none"> 1. Bus and Trucks — Pune, Mumbai, Chennai, Kolkata, Jamshedpur, Lucknow, Uttaranchal. 2. Jeeps — Jabalpur (MP), Mumbai. 3. Cars — Gurgaon (Haryana), Kolkata, Chennai, Mumbai, Bengaluru, Sanand (Gujarat). 4. Two and Three Wheelers — Mumbai, Pune.
(C) Railway Locomotives	<ol style="list-style-type: none"> (i) The Chittaranjan Locomotive Works — West Bengal; (ii) The Diesel Locomotive Works — Varanasi (UP); (iii) The Integral Coach Factory — Perambur, Chennai; (iv) The Rail Coach Factory — Kapurthala, Punjab.
(D) Aircraft	<ol style="list-style-type: none"> (i) The Hindustan Aeronautics Ltd. (HAL) — Nasik, Koraput, Hyderabad, Kanpur, Lucknow, Bengaluru.
(E) Heavy Electrical	<ol style="list-style-type: none"> (i) The Heavy Electrical Ltd. — Bhopal, Madhya Pradesh; (ii) The Bharat Heavy Electrical Ltd. — Haridwar (UP), Ramchandrapuram (Telangana), Tiruchirappalli (Andhra Pradesh); (iii) The Hindustan Cables Factory — Jhansi (UP) and Rupnarainpur, West Bengal.
(F) Heavy Machines and Tools	<ol style="list-style-type: none"> (i) The Hindustan Machine Tools (HMT) — Bengaluru, Karnataka; (ii) The Heavy Machine Tools Plant — Ranchi, Jharkhand; (iii) The Machine Tool Corporation of India — Ajmer, Rajasthan; (iv) The Praga Tools Ltd., — Secunderabad, Andhra Pradesh; (v) The National Instruments Factory — Kolkata, West Bengal.
3. Electronics	<ol style="list-style-type: none"> (i) The Indian Telephone Industries (ITI) — Bengaluru, Karnataka; (ii) The Electronics Corporation of India Ltd. (ECIL) — Hyderabad, Andhra Pradesh; (iii) The Bharat Electronics Ltd. (BEL) — Bengaluru, Karnataka.

4. Space Technology	1. The Indian Space Research Organisation (ISRO) , — Bengaluru, Karnataka. 2. Satellite Launching Station — Sriharikota, Andhra Pradesh. 3. National Remote Sensing Agency — Hyderabad, Andhra Pradesh. 4. Chandrayaan-I — India's First Scientific Mission to Moon.
5. Software Industry	Bengaluru and Hyderabad.
6. Entertainment	Mumbai, Kolkata, Chennai and Pune
7. Petrochemical Industry	1. Herdillia Chemicals Ltd. — Chennai, Tamil Nadu. 2. National Organic Chemicals Industries Ltd. — Mumbai, Maharashtra. 3. Petrofils Cooperative Limited (PCL) — Three plants located at Vadodara and Naldhara in Gujarat. 4. Indian Petrochemical Corporation Ltd. — Vadodara, Gujarat. 5. The Bongaigaon Petrochemicals Ltd. — Bongaigaon, Assam. 6. The Reliance Industries : Hazira, Gujarat. 7. Haldia Petrochemicals Ltd. : Haldia, West Bengal. 8. The Indian Oil Corporation : Three plants in Gujarat and Panipat.



World locations – industries

➤ North America:

USA

- ✓ Pittsburgh – Iron and Steel capital of the world
- ✓ Los Angeles – Hollywood
- ✓ Chicago – Meat processing
- ✓ Detroit – Automobile
- ✓ San-Francisco – IT
- ✓ Seattle – Lumbering and aluminium industry

Canada

- ✓ Montreal – Ships and aircraft
- ✓ Quebec – Ships
- ✓ Ottawa – Paper
- ✓ Toronto – Engineering and Automobile

➤ South America:

Brazil

- ✓ Sao Paulo – Textile and coffee
- ✓ Rio de Janeiro – Coffee and textile

Argentina

- ✓ Buenos Aires – Ship building
- ✓ La Plata – Chemical and Iron and steel

Chile

- ✓ Valparaiso – Oil and petroleum

Venezuela

- ✓ Maracaibo – Oil refineries

➤ Europe:

Britain

- | | |
|--------------|---------------------------|
| ✓ Manchester | - Cotton Textile |
| ✓ Liverpool | - Ship Building |
| ✓ London | - Engineering & Transport |

France

- | | |
|--------------------------|------------------------|
| ✓ Paris | - Aircraft & Transport |
| ✓ Champagne and Bordeaux | - Wine & Liquor |
| ✓ Loraine-Saar region | - Iron & Steel |

Germany

- | | |
|-------------|---------------------------|
| ✓ Dortmund | - Iron & Steel |
| ✓ Frankfurt | - Engineering & Transport |

Netherlands

- | | |
|-------------|-------------------------------------|
| ✓ Rotterdam | - Marine Engineering, Ship building |
| ✓ Amsterdam | - Diamond polishing |

Italy

- | | |
|-------------------------------|----------------|
| ✓ Milan (Manchester of Italy) | - Silk Textile |
| ✓ Turin (Detroit of Italy) | - Automobiles |

➤ **Asia:**

Russia

- ✓ Moscow and Gorki - Iron Steel, Chemicals
- ✓ Magnitogorsk - Iron Steel, Oil refining
- ✓ Leningrad (St Petersburg) - Textile, Chemicals, Paper
- ✓ Moscow-Ivanovo - Cotton Textile

Ukraine

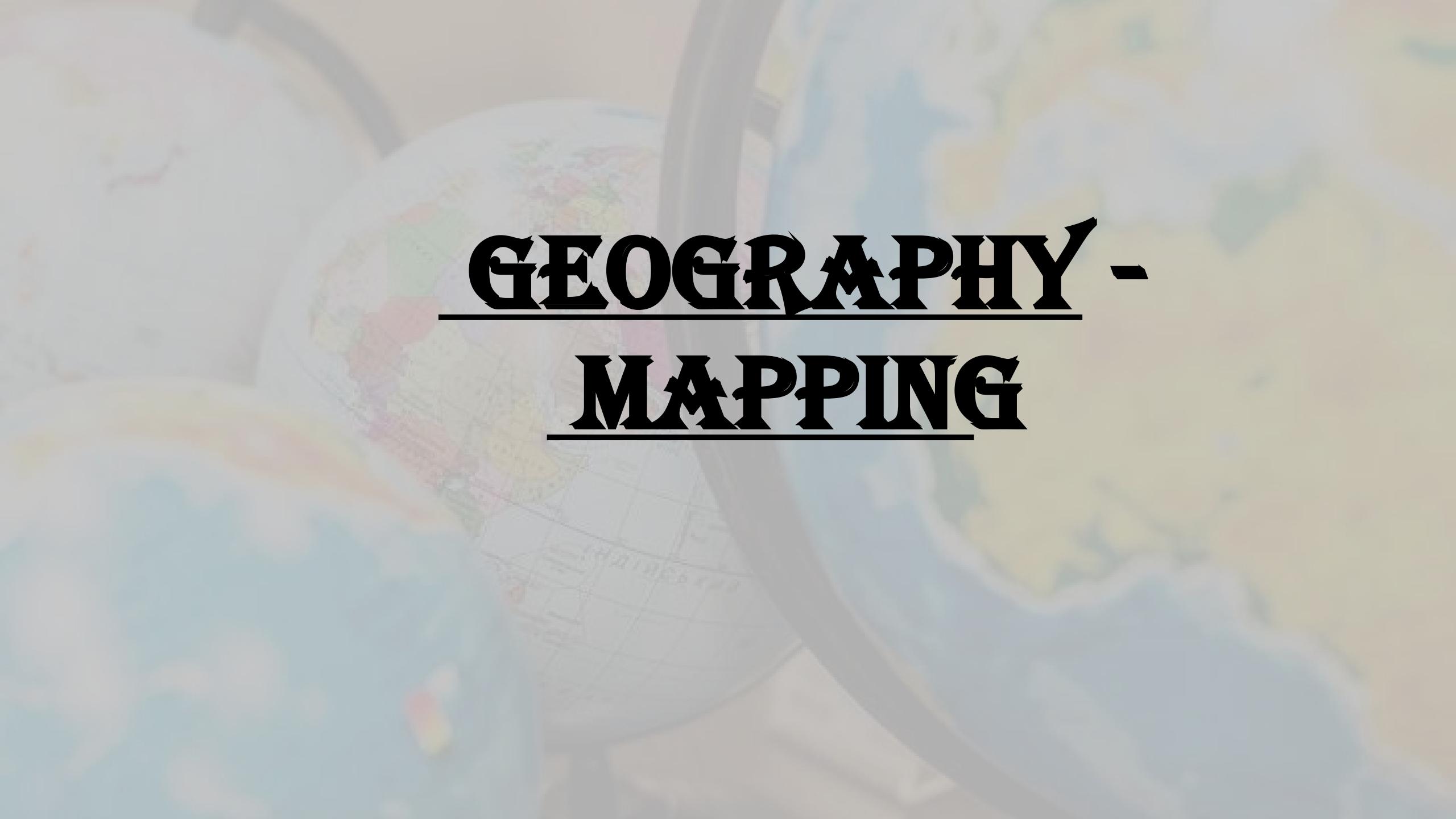
- ✓ Kirov Rog-Rostogo - Iron & Steel, Heavy Industries

Japan

- ✓ Nagoya (Detroit of Japan) - Aircraft, Automobile
- ✓ Osaka (Manchester of Japan) - Ships, Iron & Steel
- ✓ Kobe and Kyoto - Ships, Iron & Steel
- ✓ Nagasaki - Iron & Steel, Ship building, Machinery
- ✓ Tokyo - Engineering & Textiles

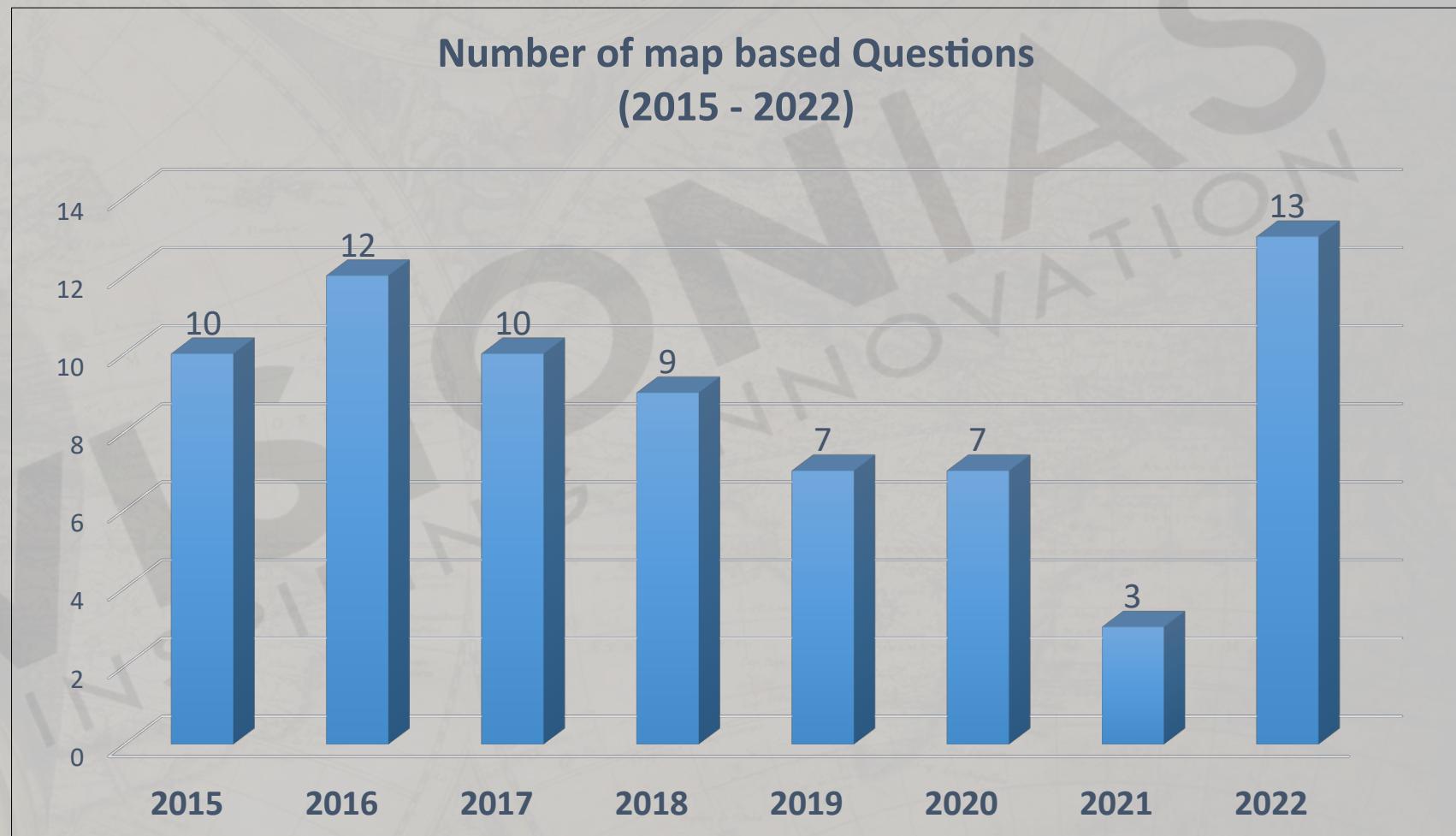
China

- ✓ Shanghai - Textiles & Machinery
- ✓ Wuhan - Textiles, Ships, Iron & Steel
- ✓ Beijing - Textiles, Machinery
- ✓ Anshan-Mukden (Pittsburgh of China) - Iron & Steel



GEOGRAPHY - MAPPING

Year	Number of map based questions
2015	10
2016	12
2017	10
2018	9
2019	7
2020	7
2021	3
2022	13
Total	71



2022

Consider the following pairs :

Peak Mountains

1. Namcha Barwa — Garhwal Himalaya
2. Nanda Devi — Kumaon Himalaya
3. Nokrek — Sikkim Himalaya

Which of the pairs given above is/are correctly matched ?

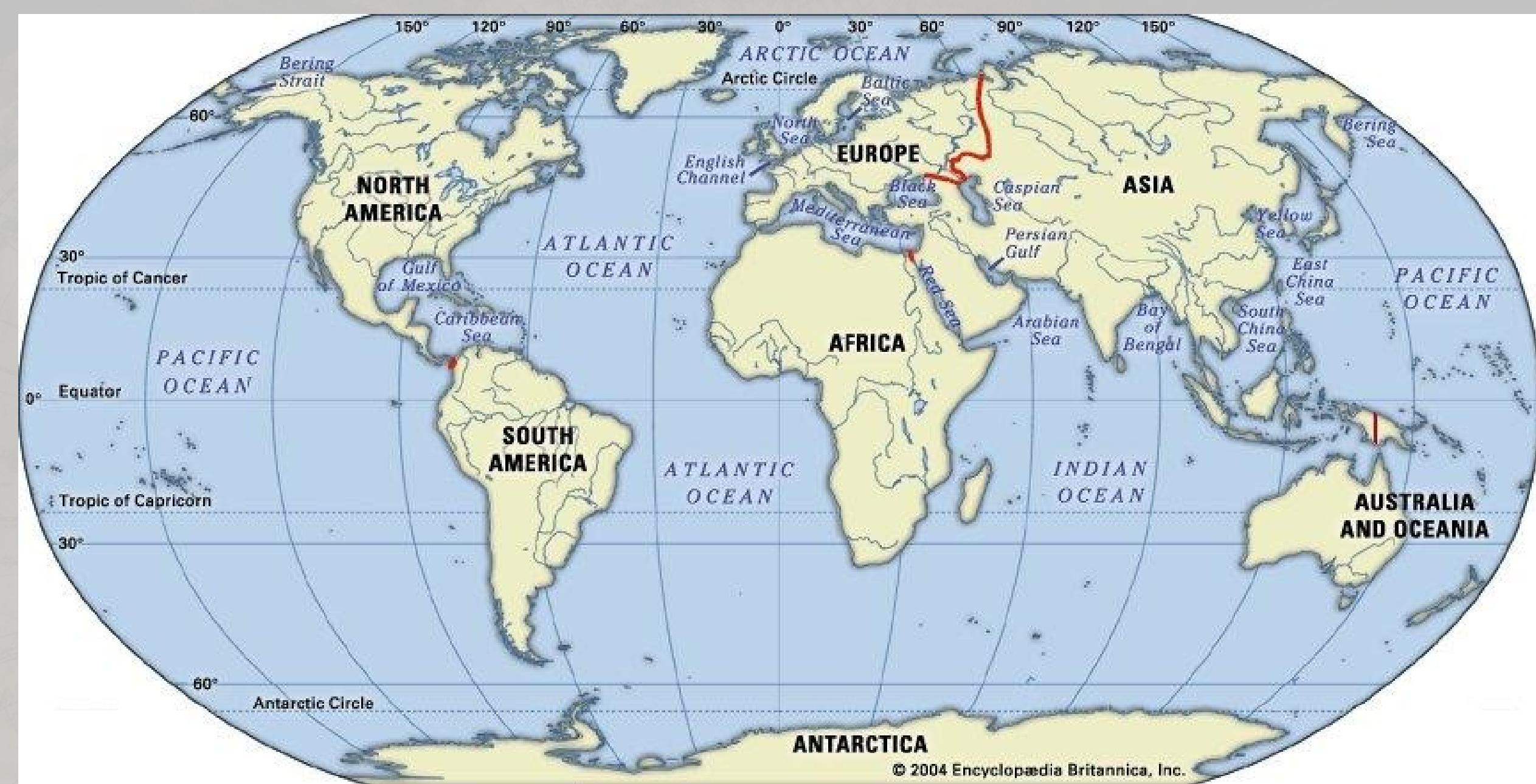
- (a) 1 and 2
- (b) 2 only
- (c) 1 and 3
- (d) 3 only

2022

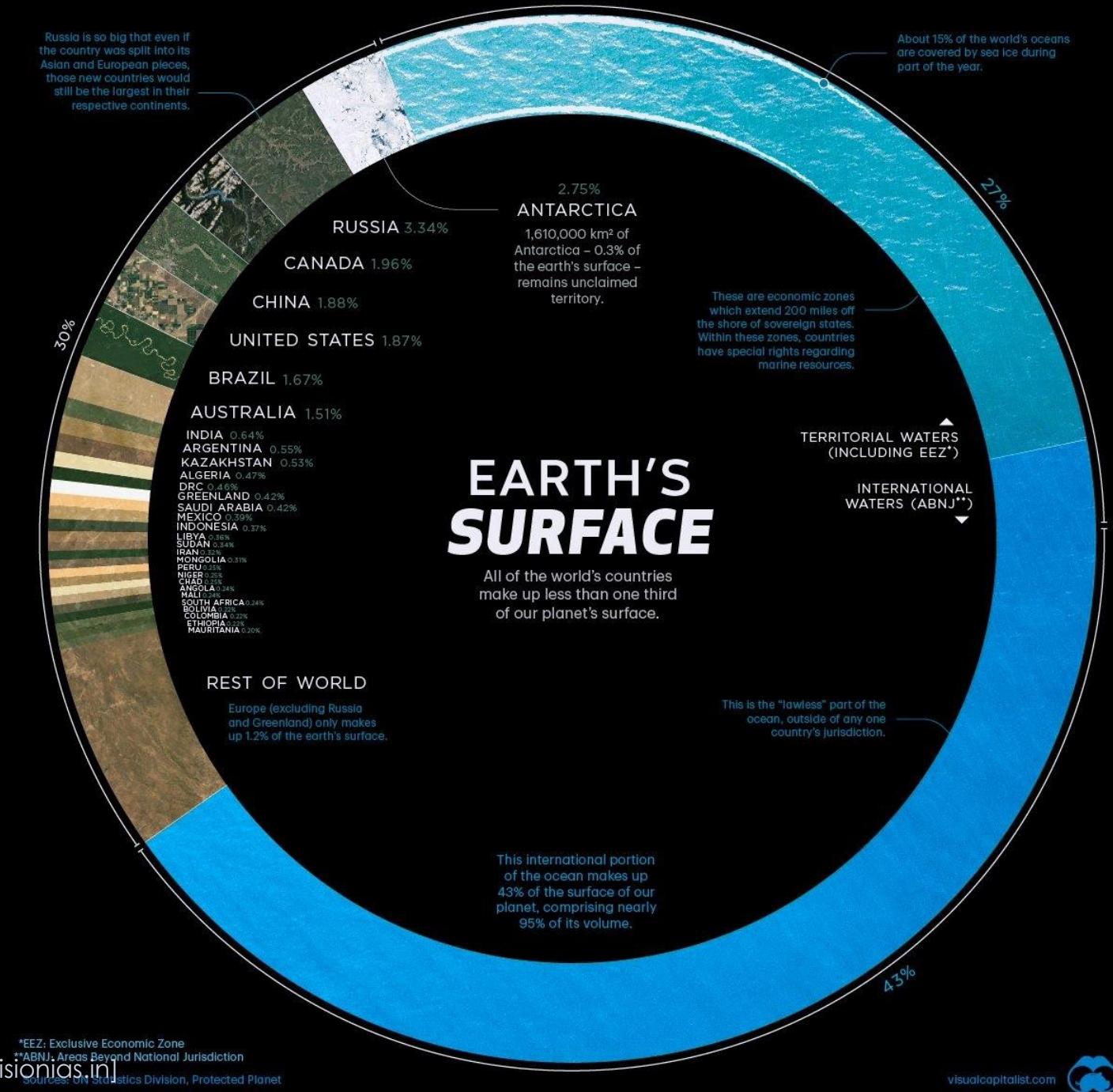
Which one of the following lakes of West Africa has become dry and turned into a desert ?

- (a) Lake Victoria
- (b) Lake Faguibine
- (c) Lake Oguta
- (d) Lake Volta

- Political borders & coasts
- State borders & locations
- Regions in news – national & international
- International groupings
- Mountains, peaks & volcanoes
- Glaciers
- Rivers and waterbodies – national & international
- Reservoirs
- National parks & wildlife

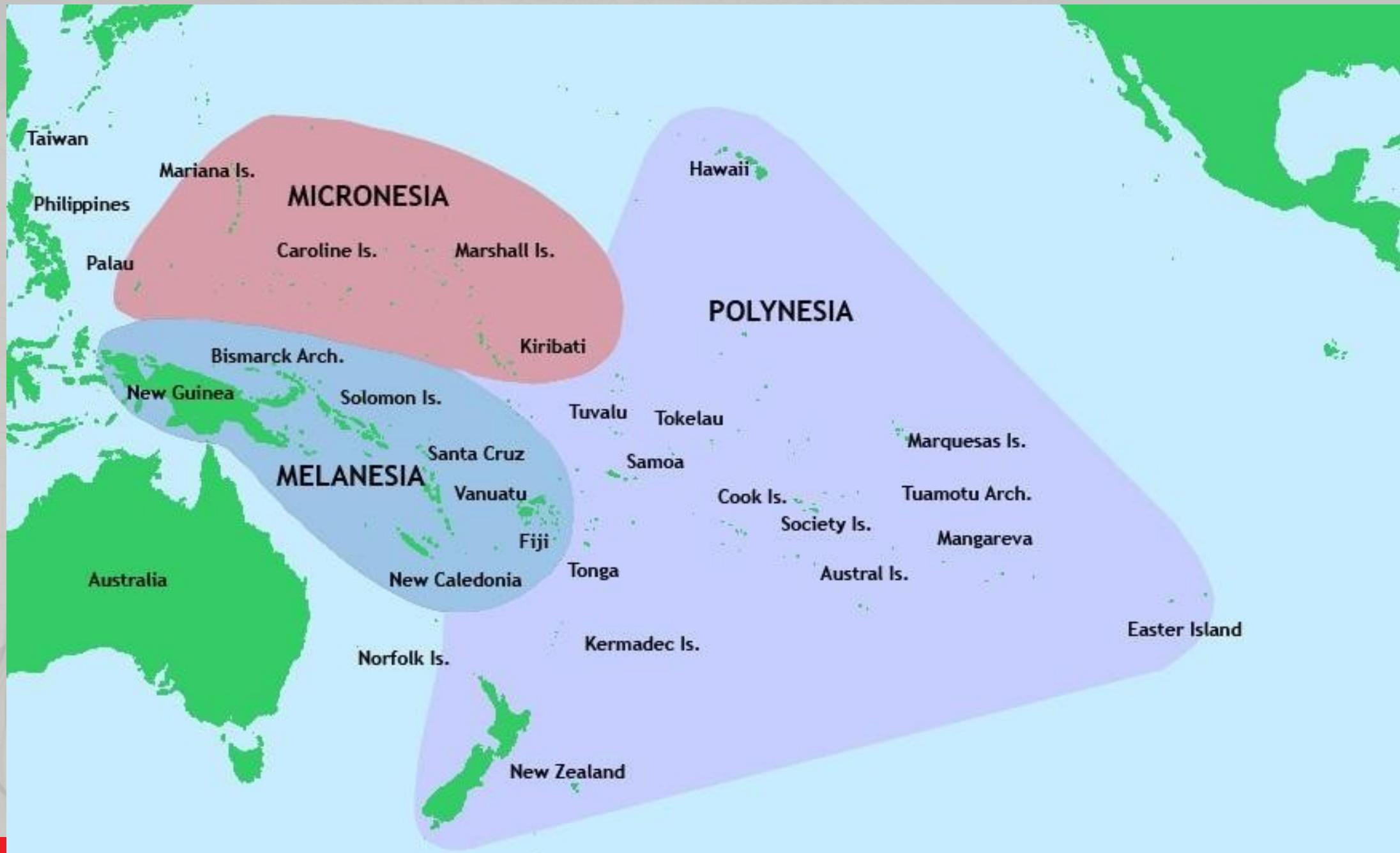


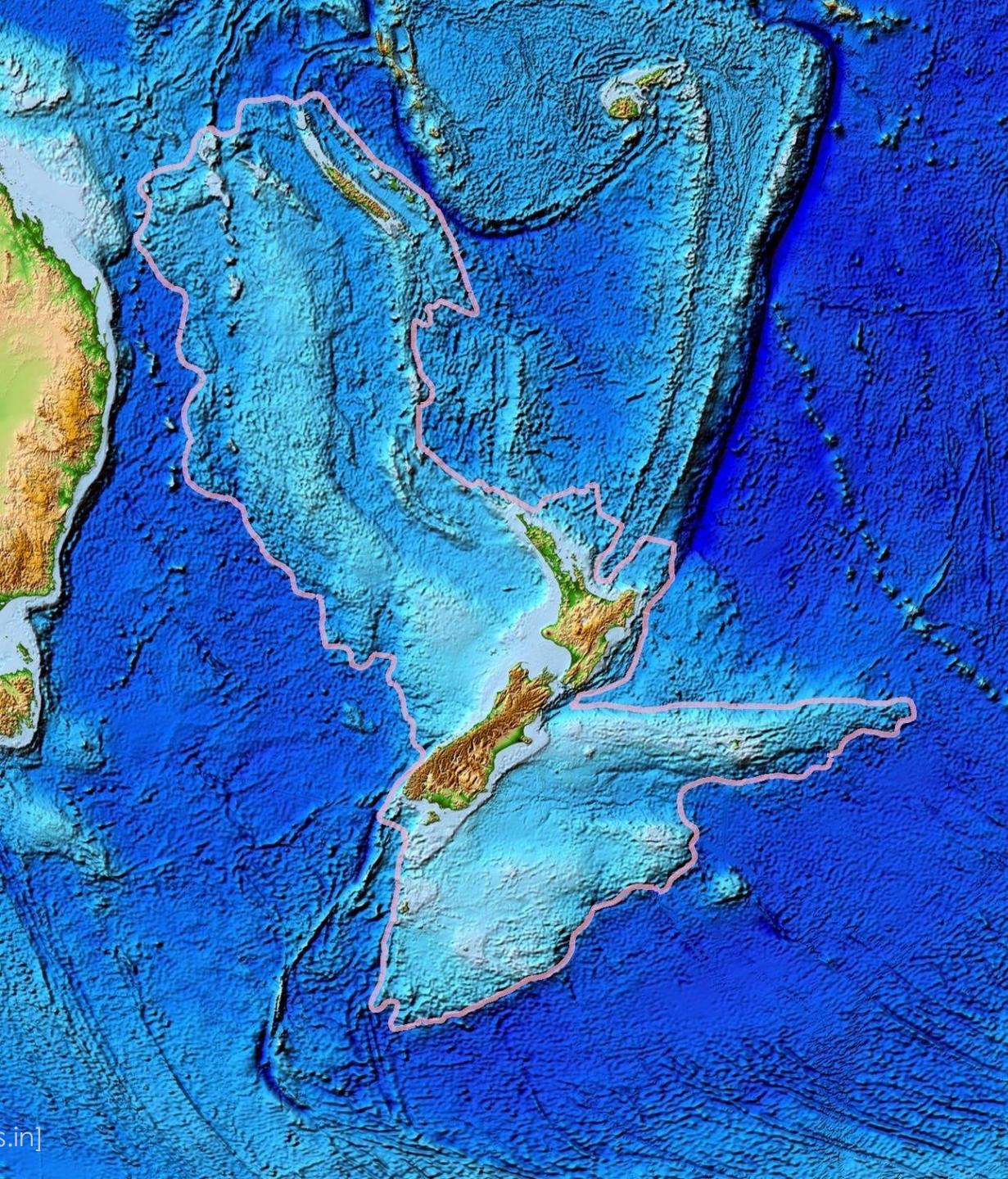
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VISION
IAS







VISION
IAS



█ Baltic republics █ Caucasus █ Central Asia █ Disputed territories



Azerbaijan-Armenia Conflict

TRT WORLD



CENTRAL AMERICA AND THE CARIBBEAN



VISION
IAS



Administrative division of United Kingdom

Shetlands

Orkneys

Scotland

Northern Ireland

Republic
of Ireland

England

Wales

ATLANTIC OCEAN

North Sea

Strait of Dover



<https://www.youtube.com/watch?v=AYla6q3is6w>

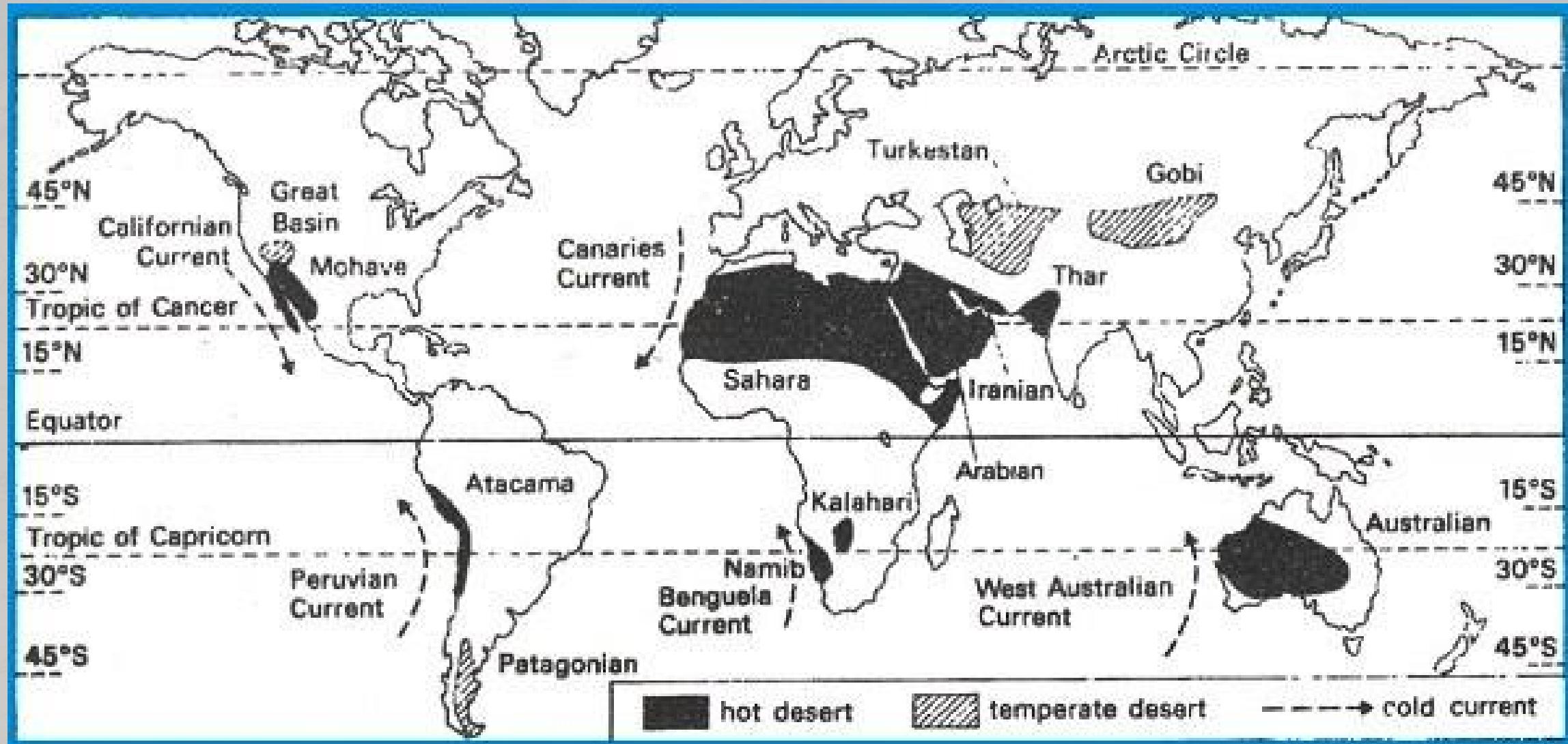


krakatoa eruption 1883

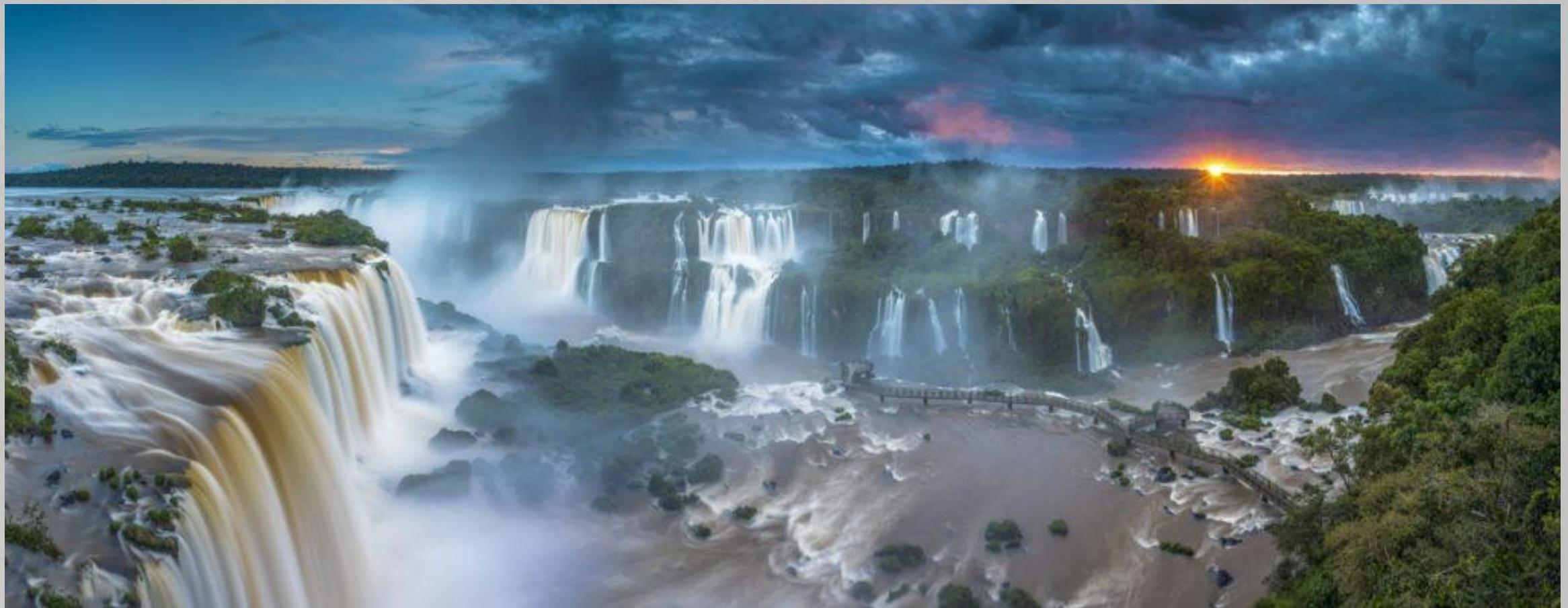


Raikoke (2019)





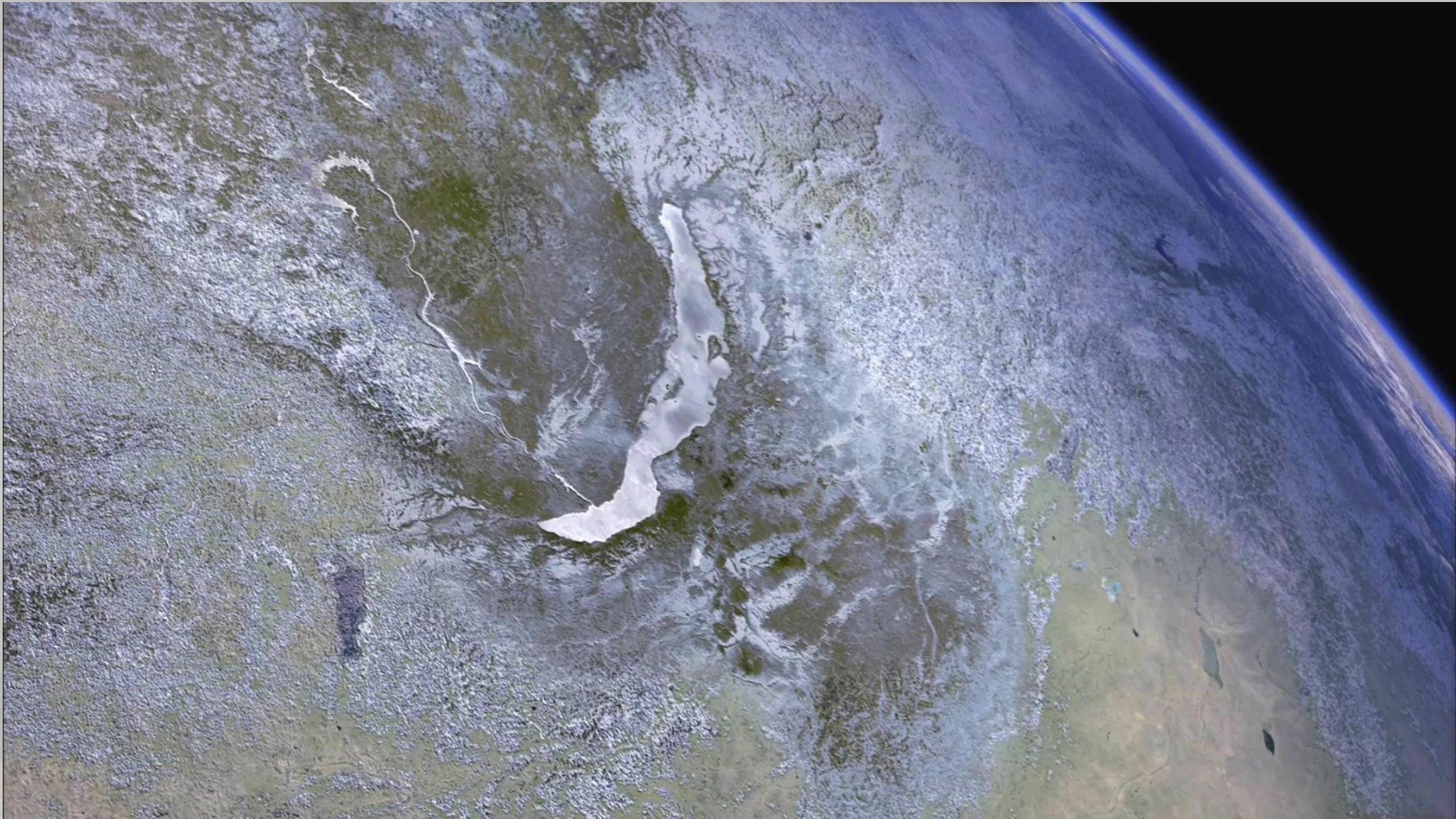




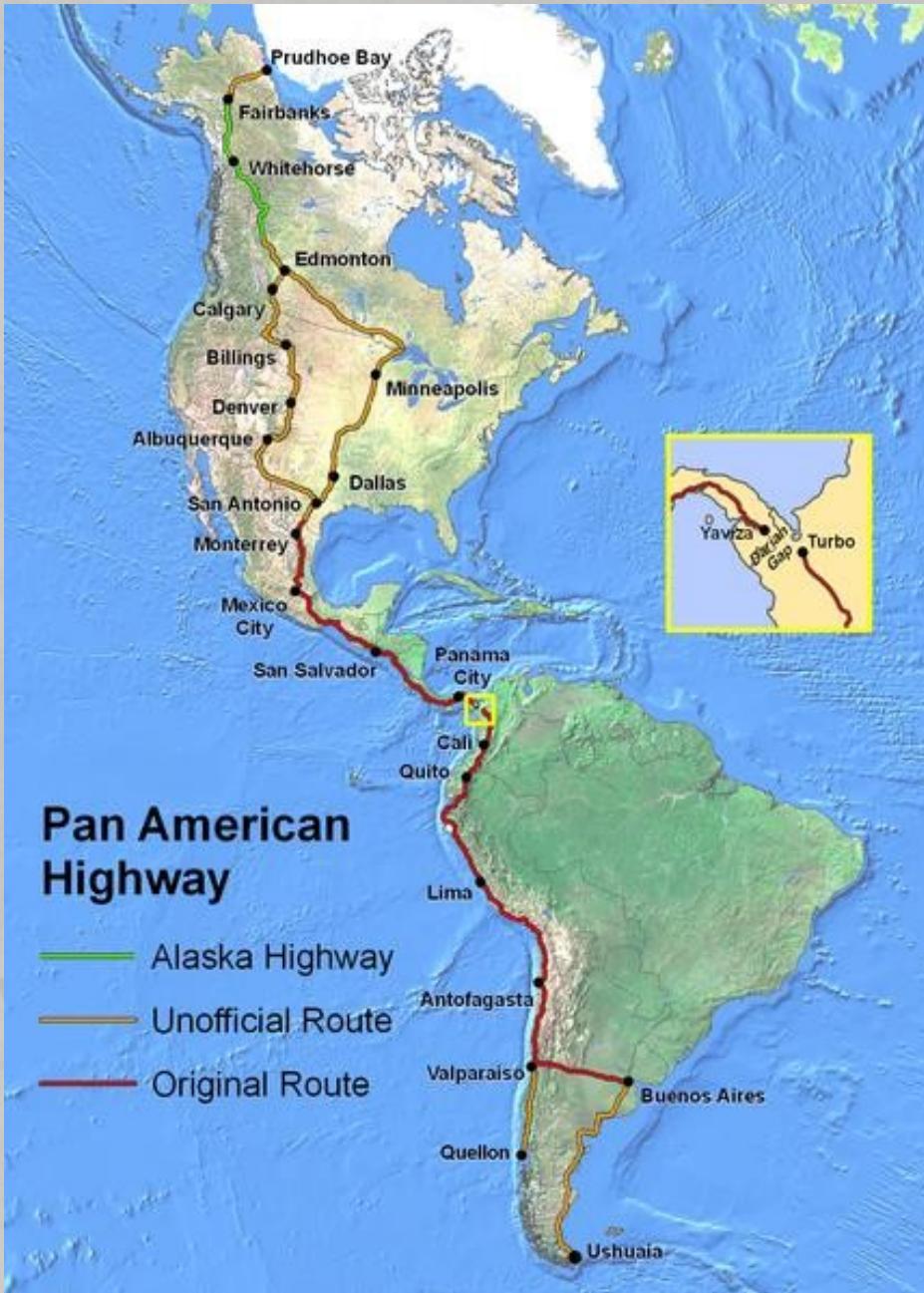


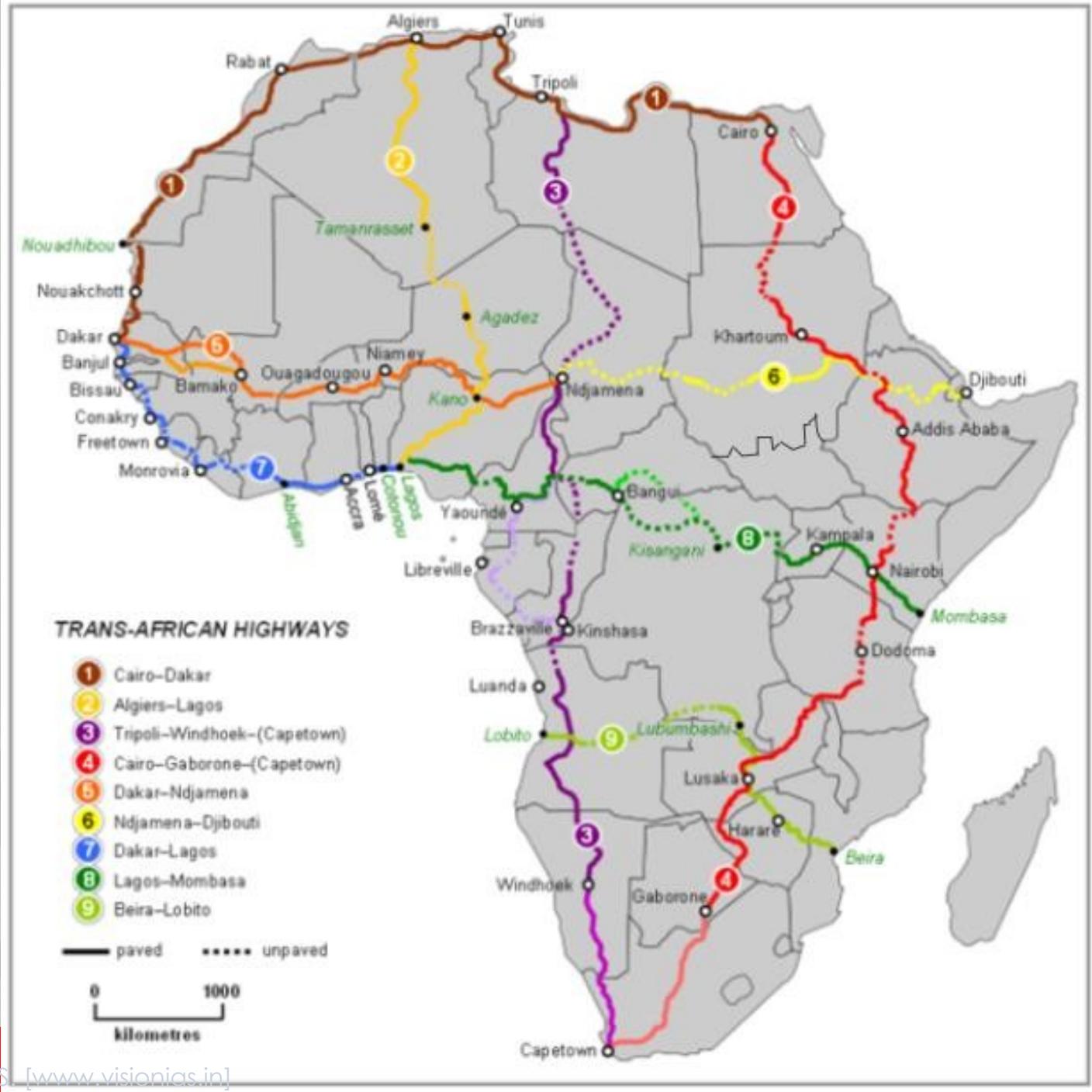








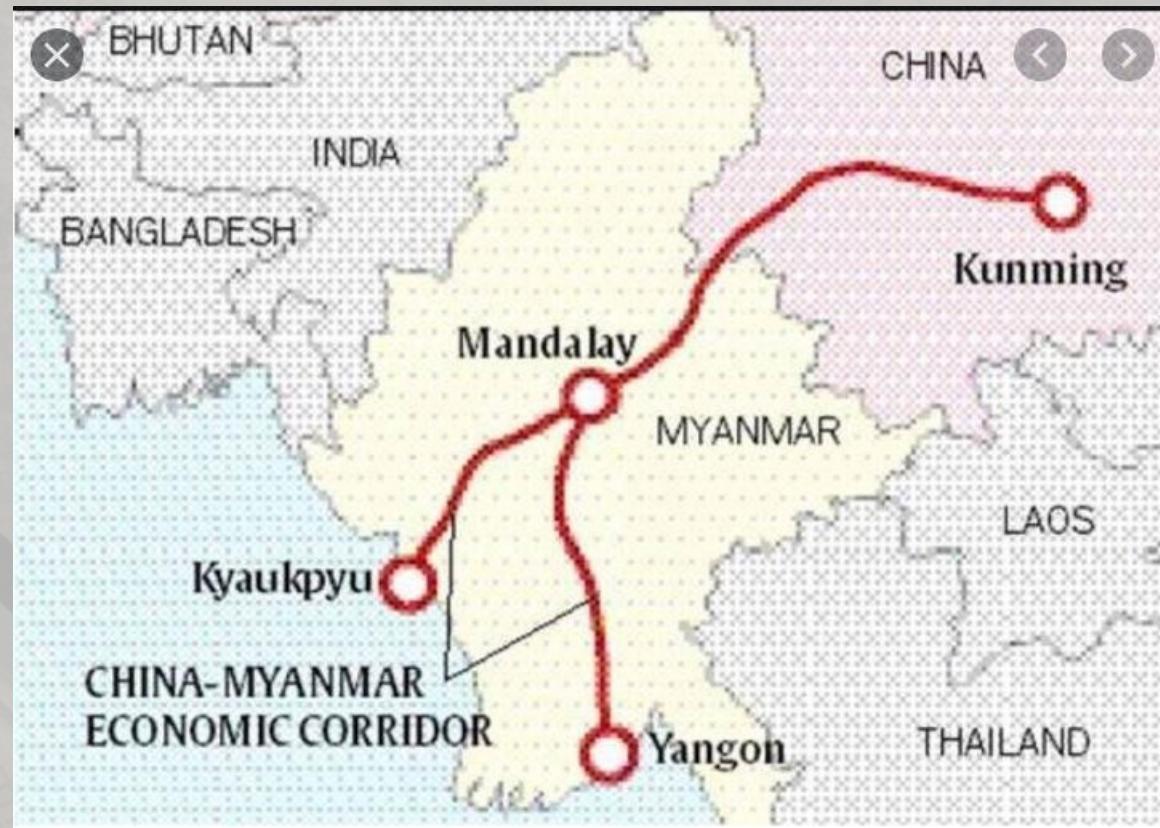










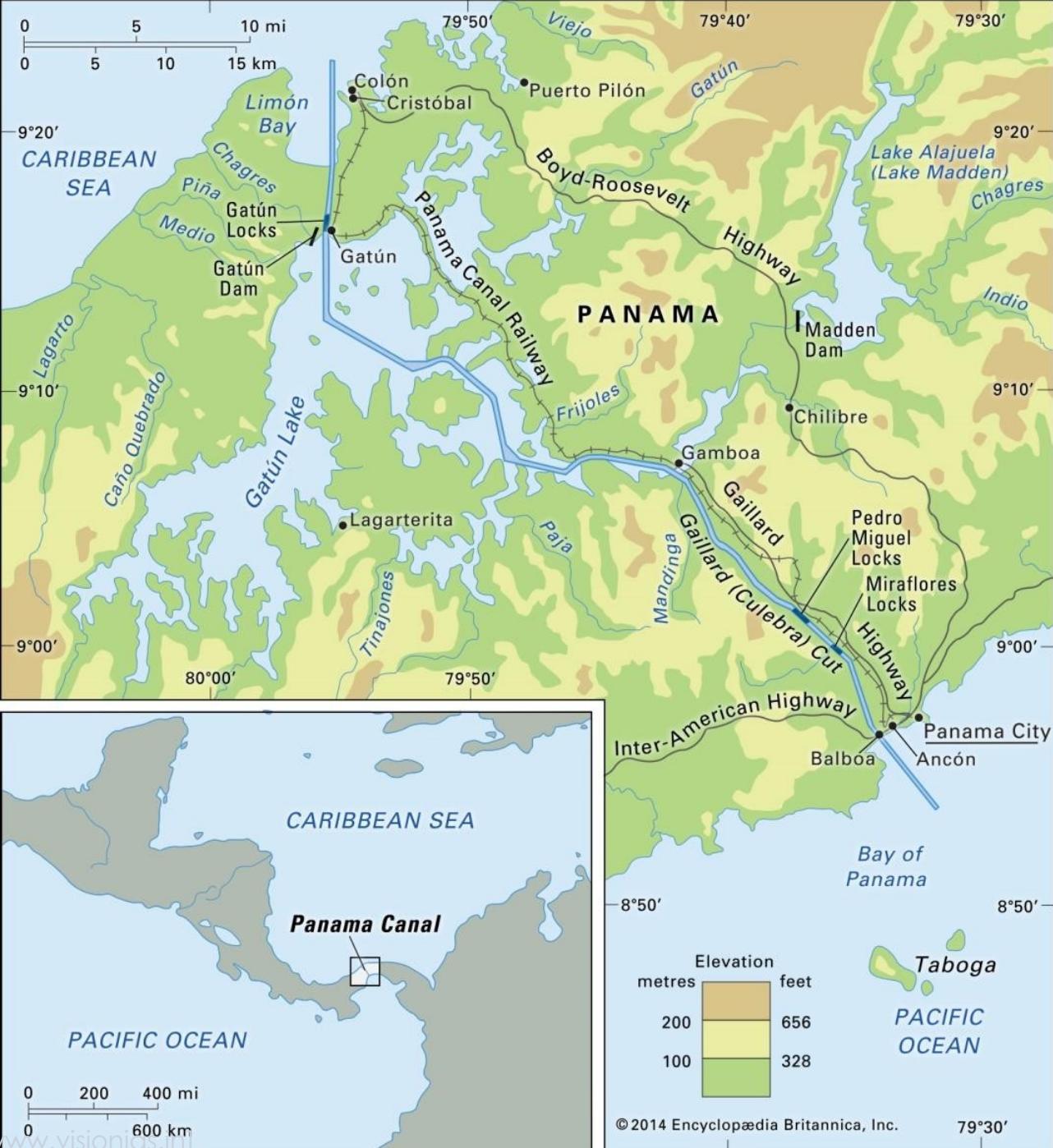


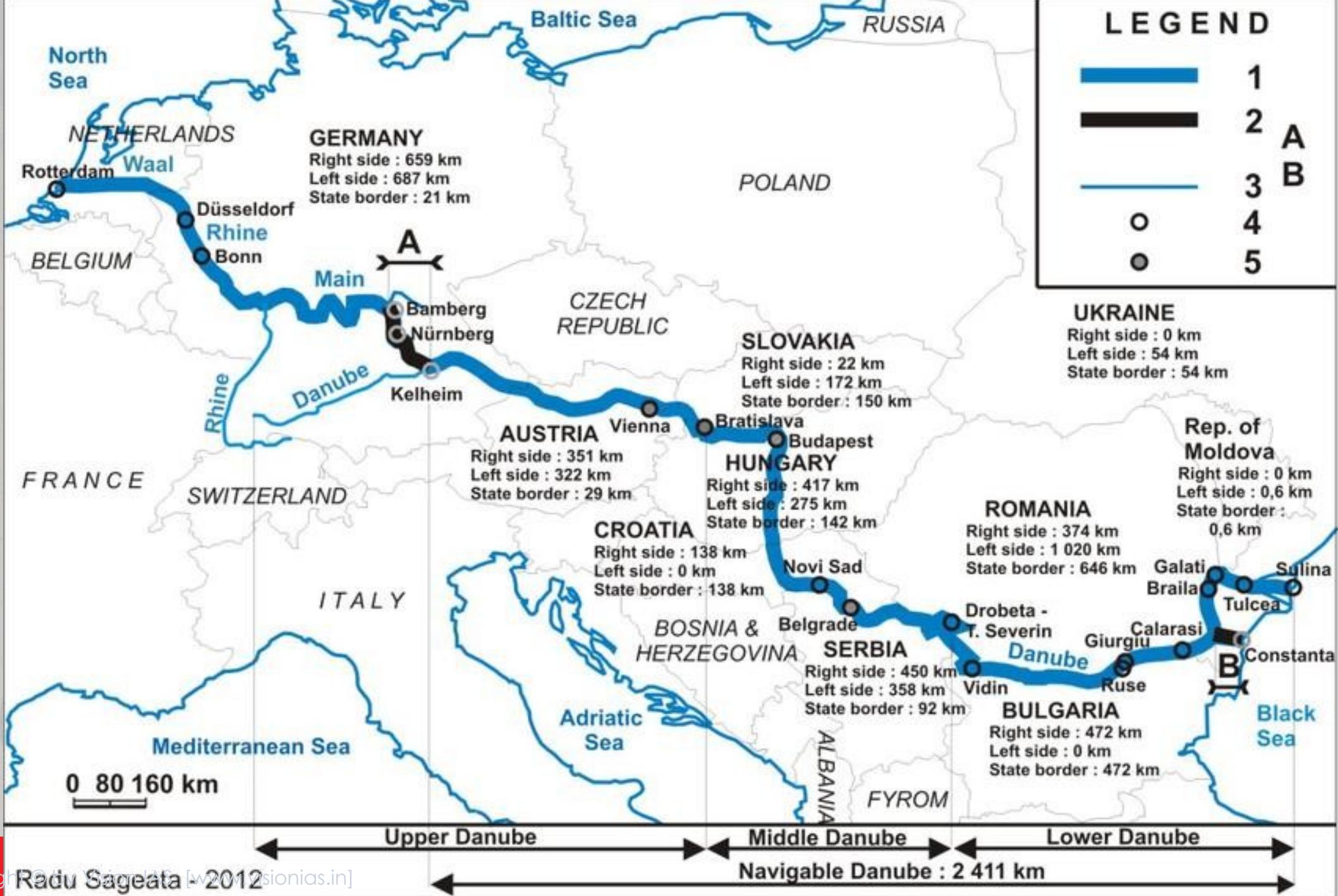


Trans-Siberian Railway

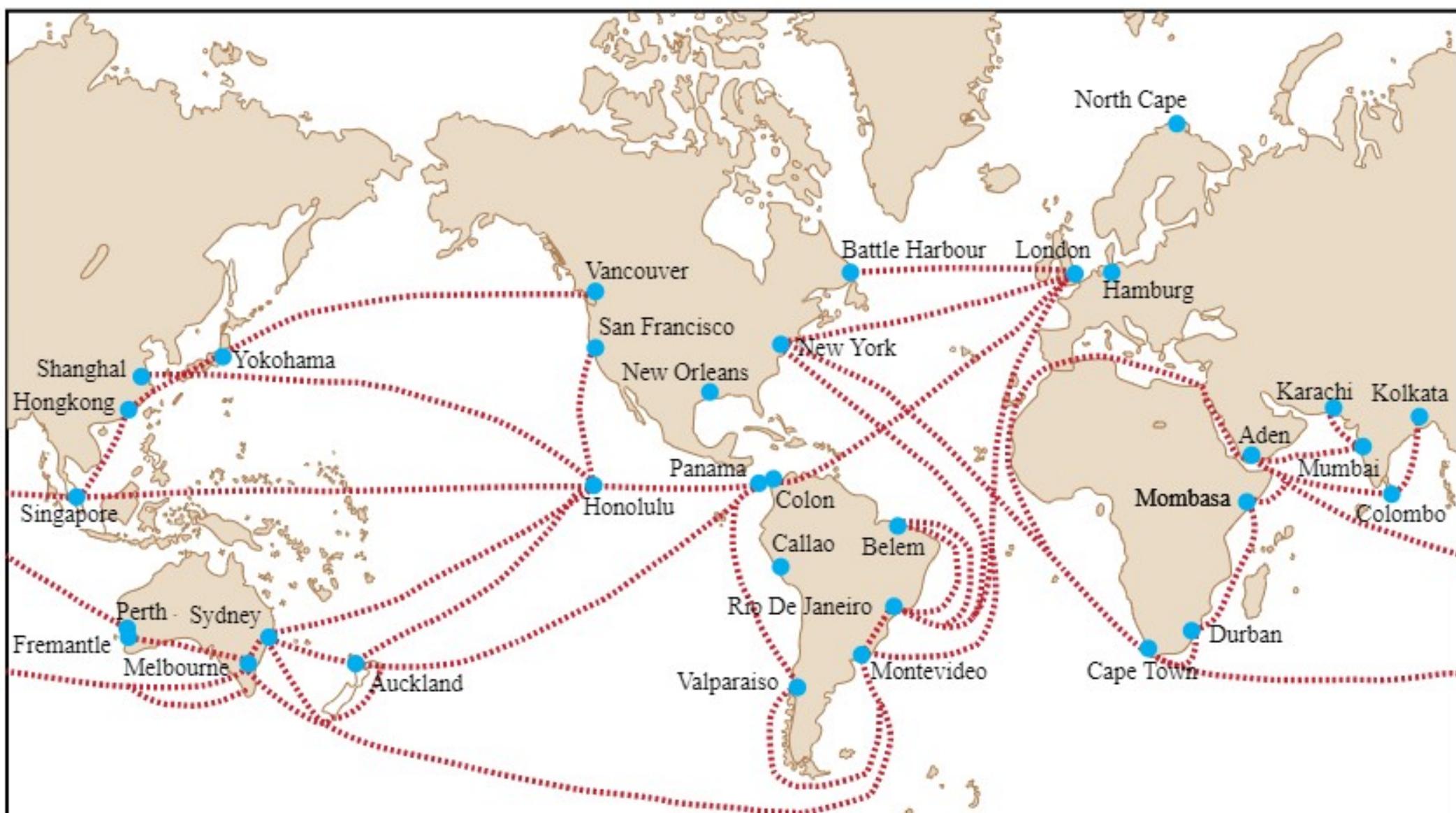












MAJOR SEA ROUTES
SEAPORTS

Not to Scale

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ovindaraj



Members and Partner Countries

Member States



China



Kazakhstan



Kyrgyzstan



Russia



Tajikistan



Uzbekistan



India



Pakistan



Iran



Observer States



Afghanistan



Belarus



Mongolia

Dialogue partners



Armenia



Cambodia



Sri Lanka



Azerbaijan



Nepal



Turkey

BIMSTEC

The Bay of Bengal Initiative for Multi-Sectoral Technical and Economic Cooperation



Nepal



Bhutan



Bangladesh



India



Thailand



Myanmar



Sri Lanka

7 MEMBER COUNTRIES



Founded in 1997 through
Bangkok Declaration

Objectives of BIMSTEC



To enable environment for rapid economic development.



To collaborate and mutually assist members on matters of common interest.



To maintain close and beneficial cooperation with existing international and regional organizations.



To endeavour to eradicate poverty from the Bay of Bengal region.



To establish multidimensional connectivity, promote synergy among connectivity frameworks in the region.

NATO Members



Prospective NATO Members



NATO members, current and prospective



G20



Argentina



Australia



Brazil



China



European union



India



Indonesia



Mexico



Saudi Arabia



South Africa



South Korea



Germany



Russia



Canada



Italy



France



Japan



Turkey



United
Kingdom



United States
of America





Member

G20

G8

G7



Canada



France



Germany



Italy



Russia



Argentina



Australia



Brazil



China



European Union



India



Indonesia



Mexico



Saudi Arabia



South Africa



South Korea



Turkey



SOUTHERN AFRICAN DEVELOPMENT COMMUNITY (SADC)

About SADC



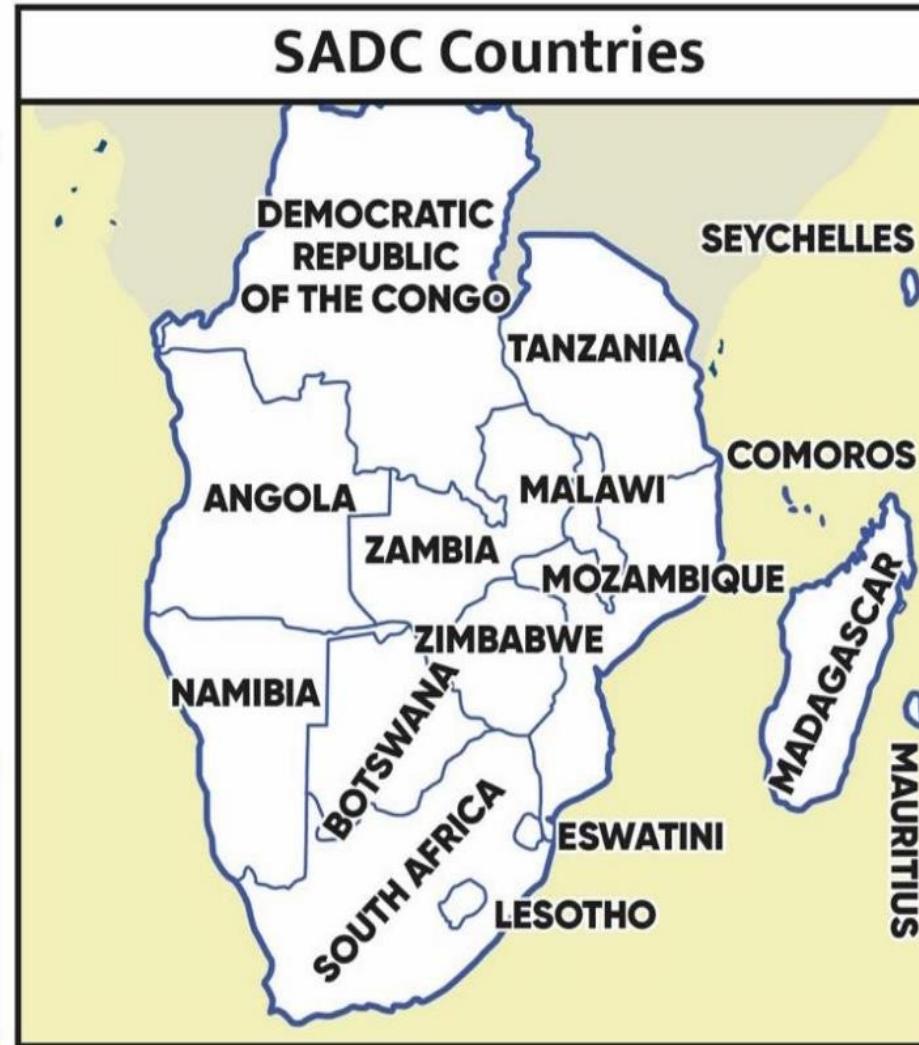
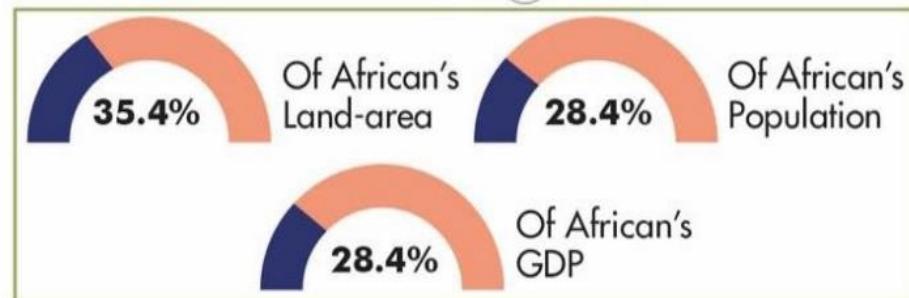
- ☞ Nature : Intergovernmental organization
- ☞ Members : 16 African countries
- ☞ Origin : Circa 1980

Goal of SADC



To further **socio-economic cooperation** and integration as well as political and security cooperation among members

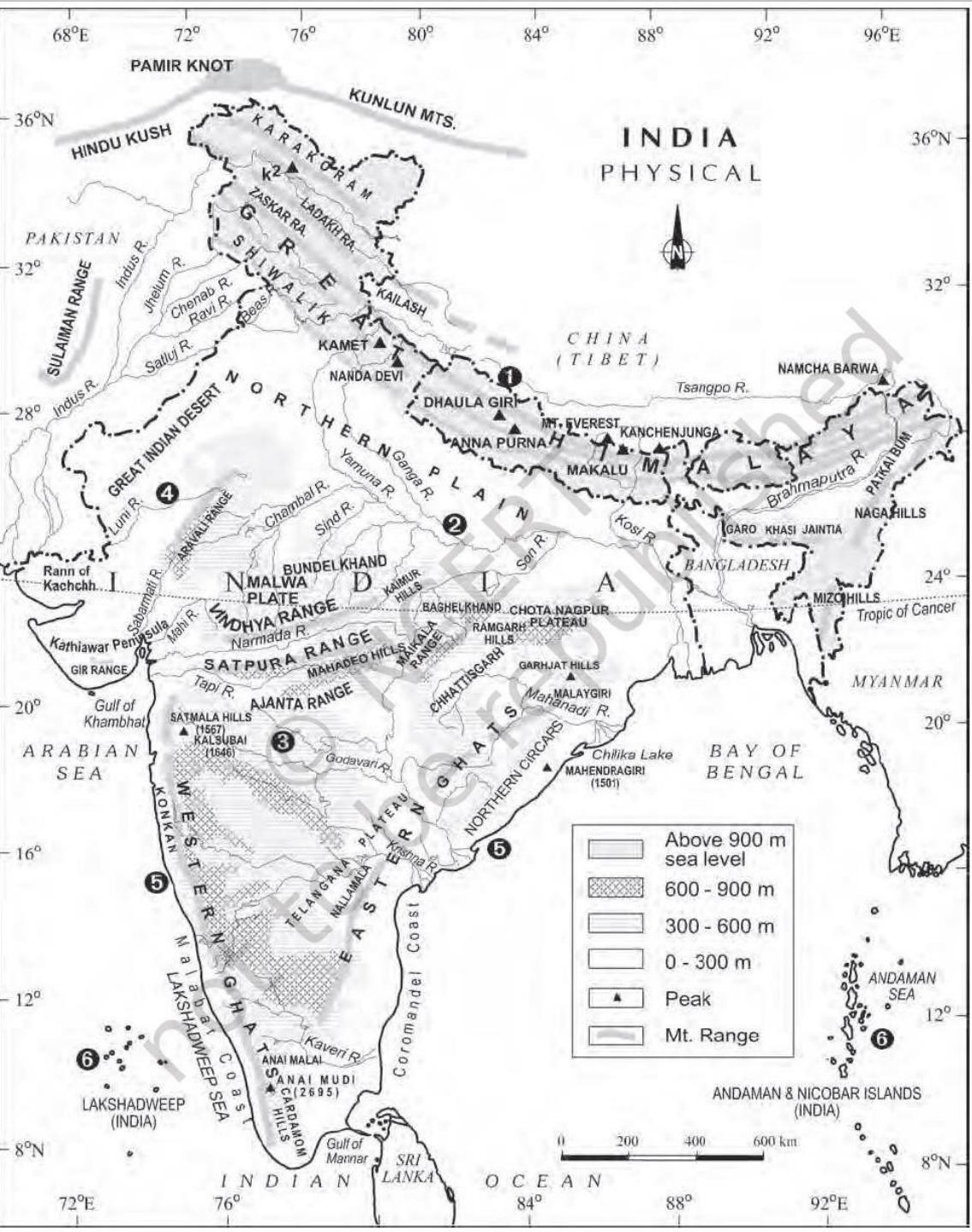
SADC Constitutes



INDIA

States and Union Territories

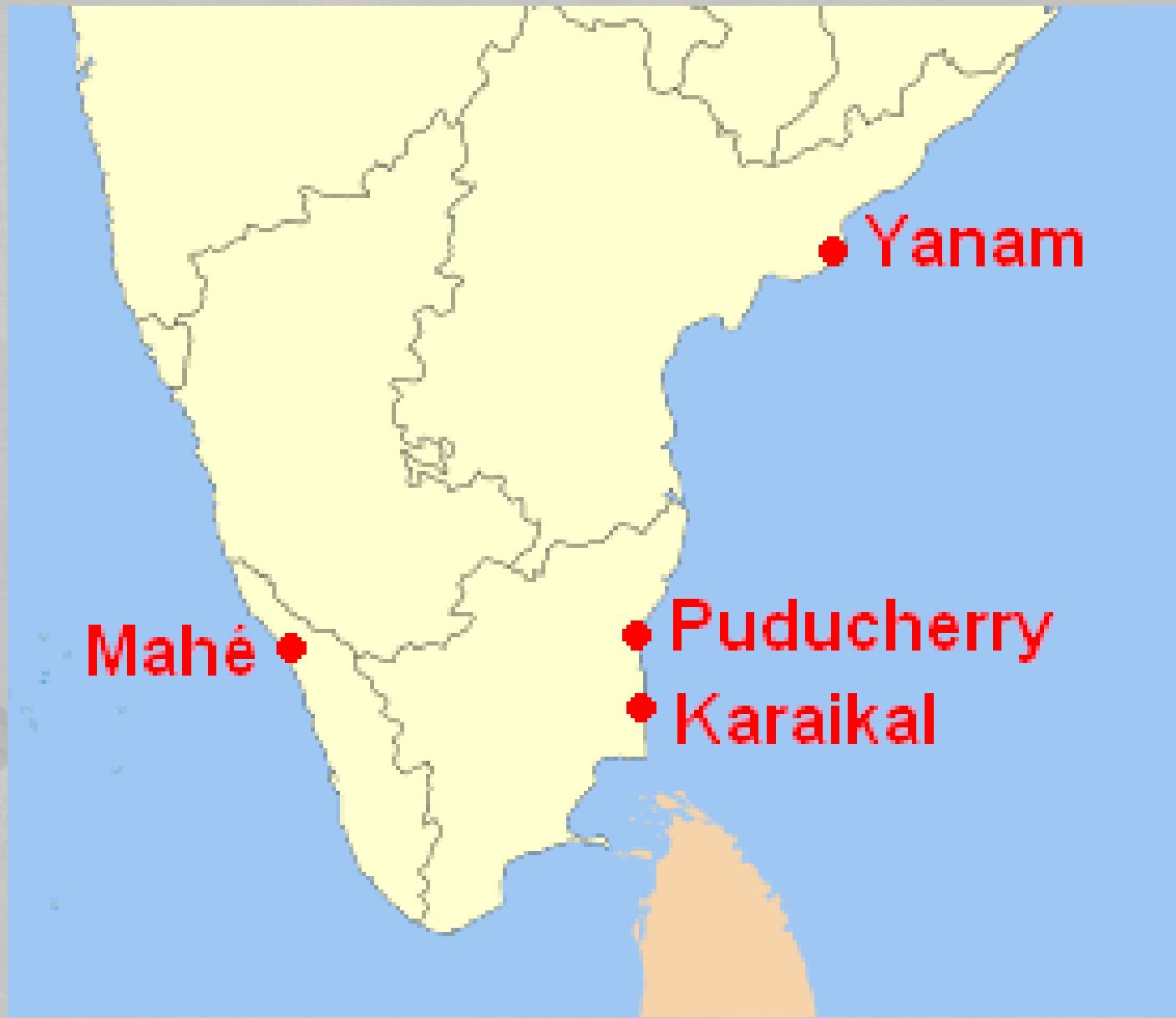


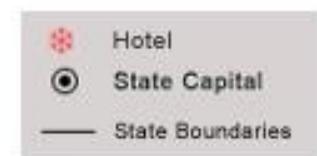
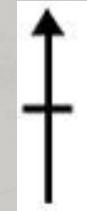


HIMACHAL PRADESH
ADMINISTRATIVE DIVISIONS 2011

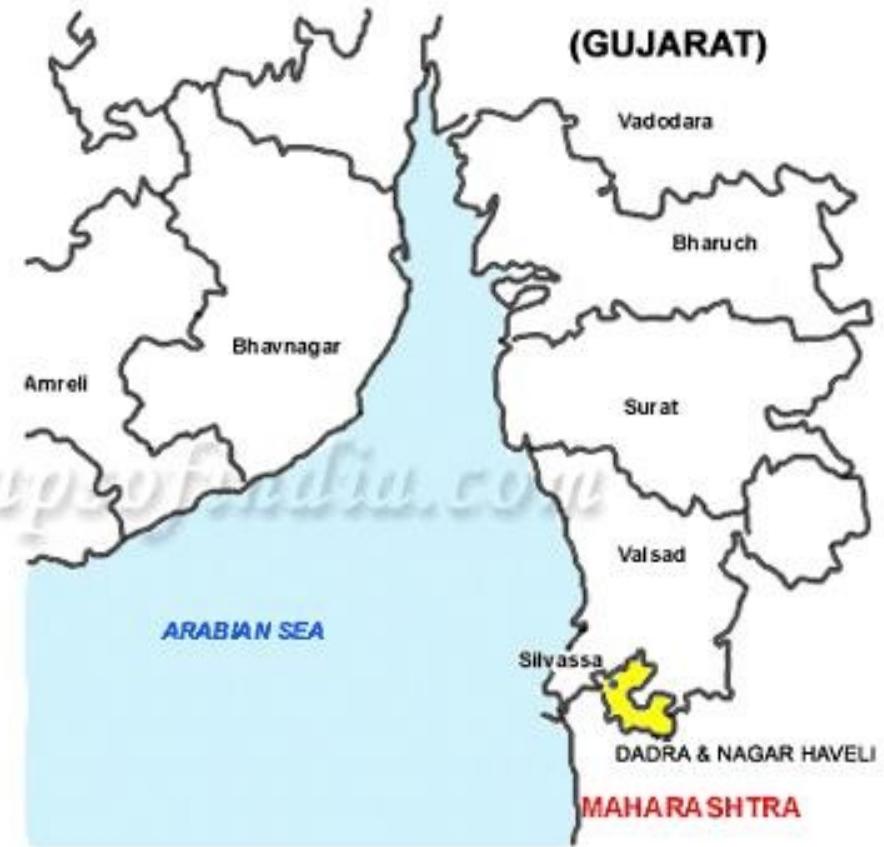
KILOMETRES
20 0 20 40





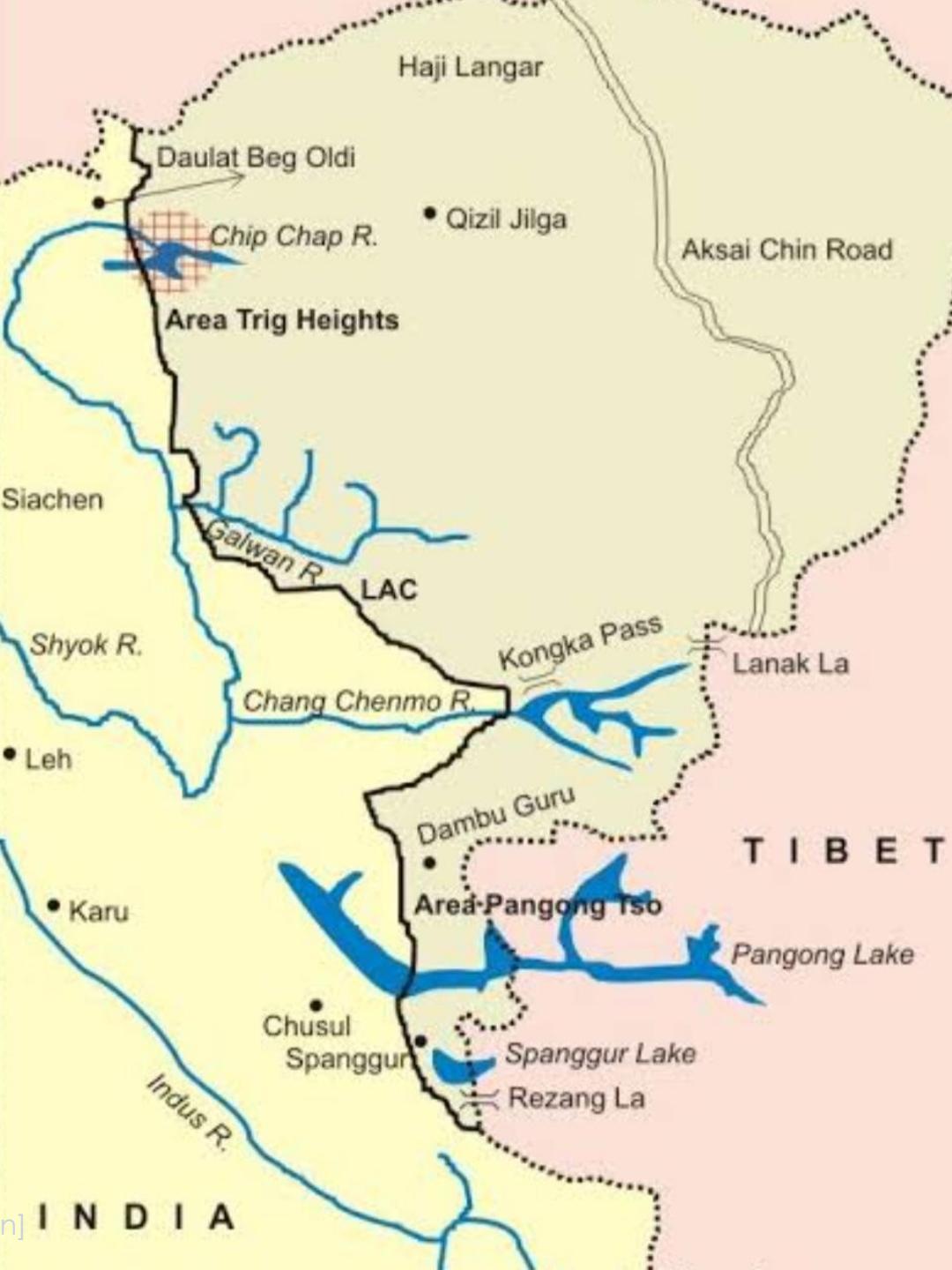
DIU**DAMAN**

Dadar & Nagar Haveli (GUJARAT)



Rajesh Govindaraj





THE LINE OF ACTUAL CONTROL CUTS THROUGH PANGONG LAKE, BUT THE INDIAN AND CHINESE SIDES MARK ITS LOCATION DIFFERENTLY

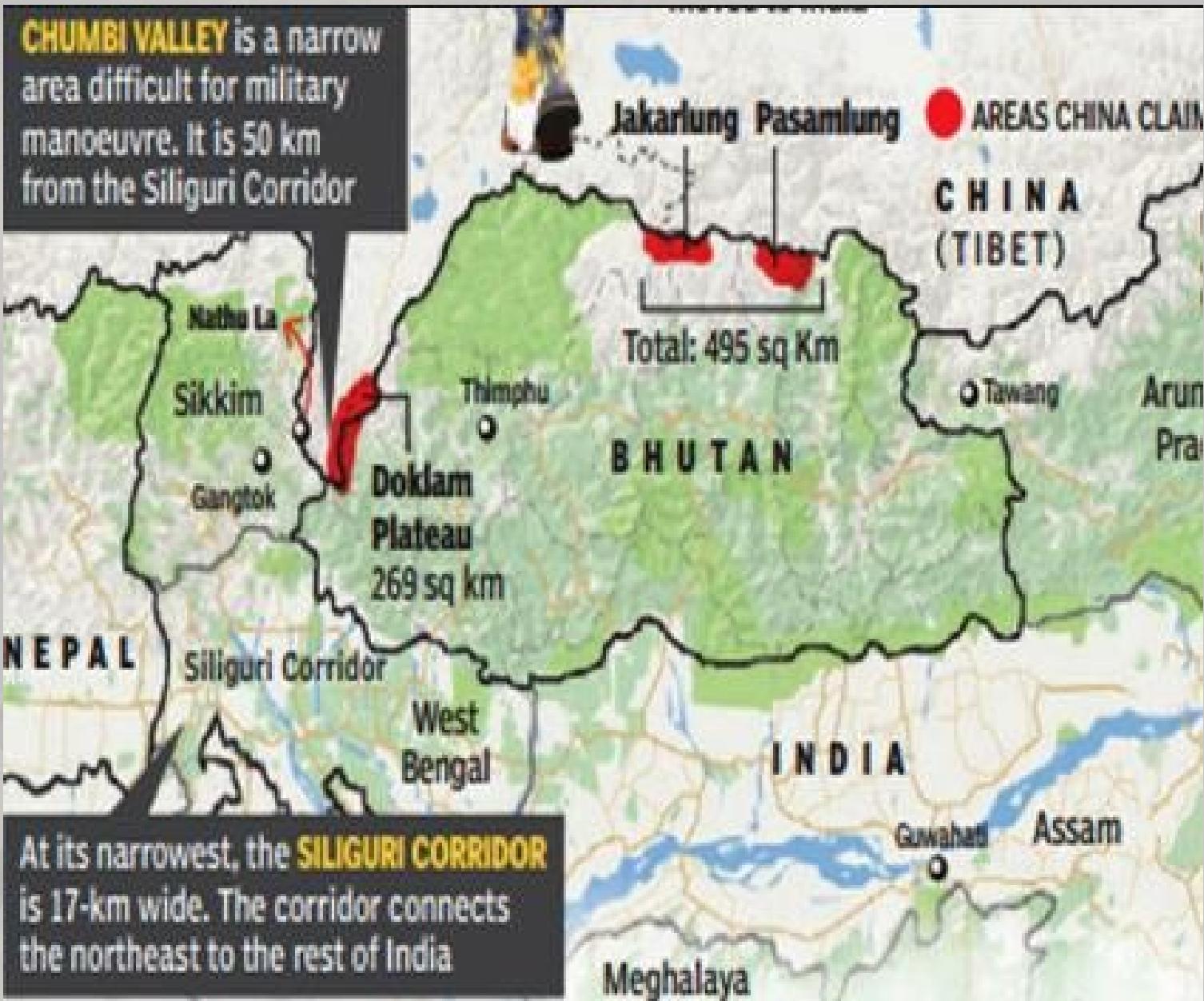








Google



PAKISTAN

Sind

Blue Dotted Line

(Pillars already
exist demarcating
boundary)

Western Bank

Eastern Bank

(India wants
border in the centro
of the creek)

SIR
CREEK

Green Line

Khori Creek

Arabian Sea

Boundary finally
settled by Govt.
of India

Western
Terminus

INDIA

Gujarat



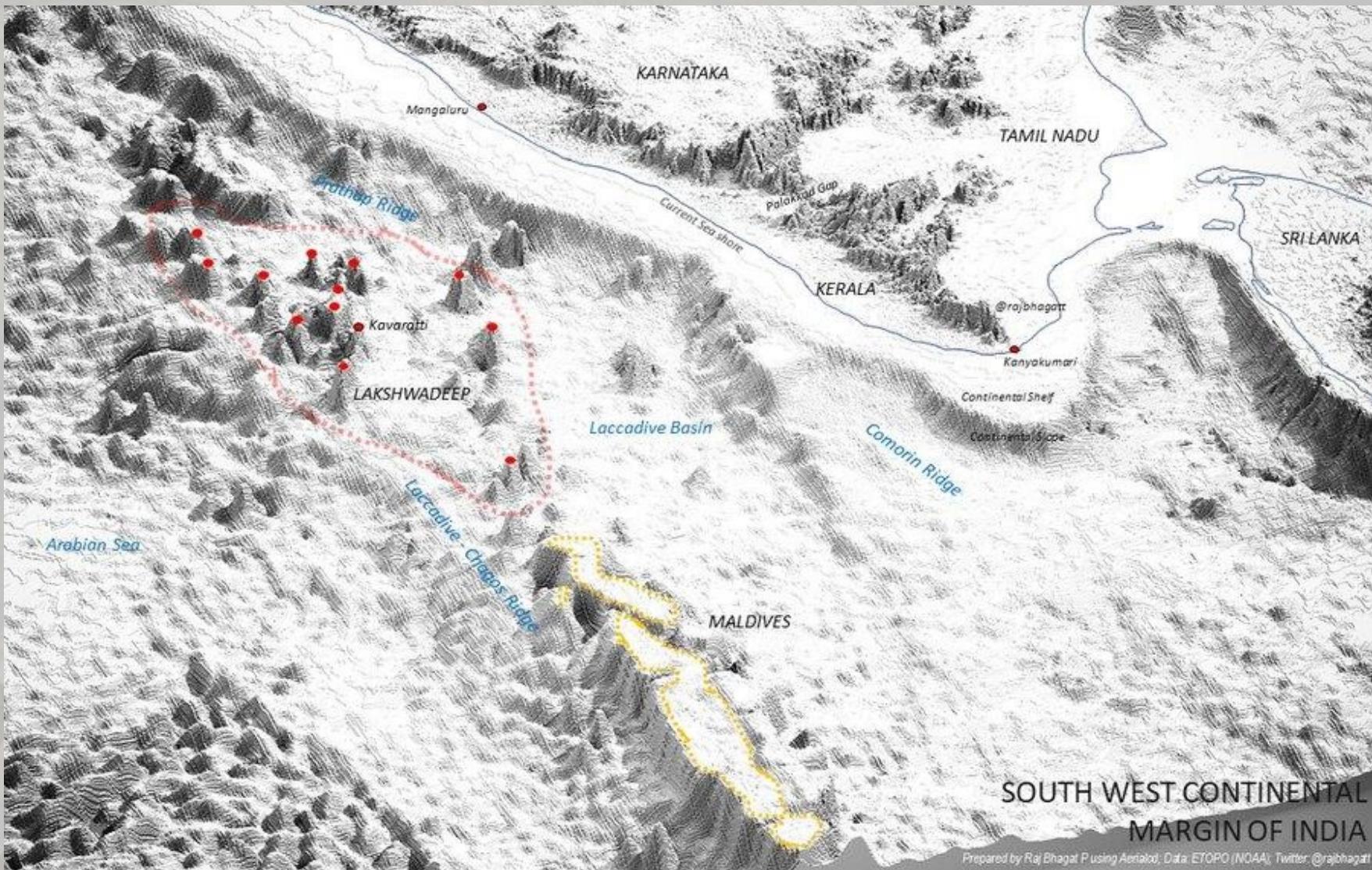


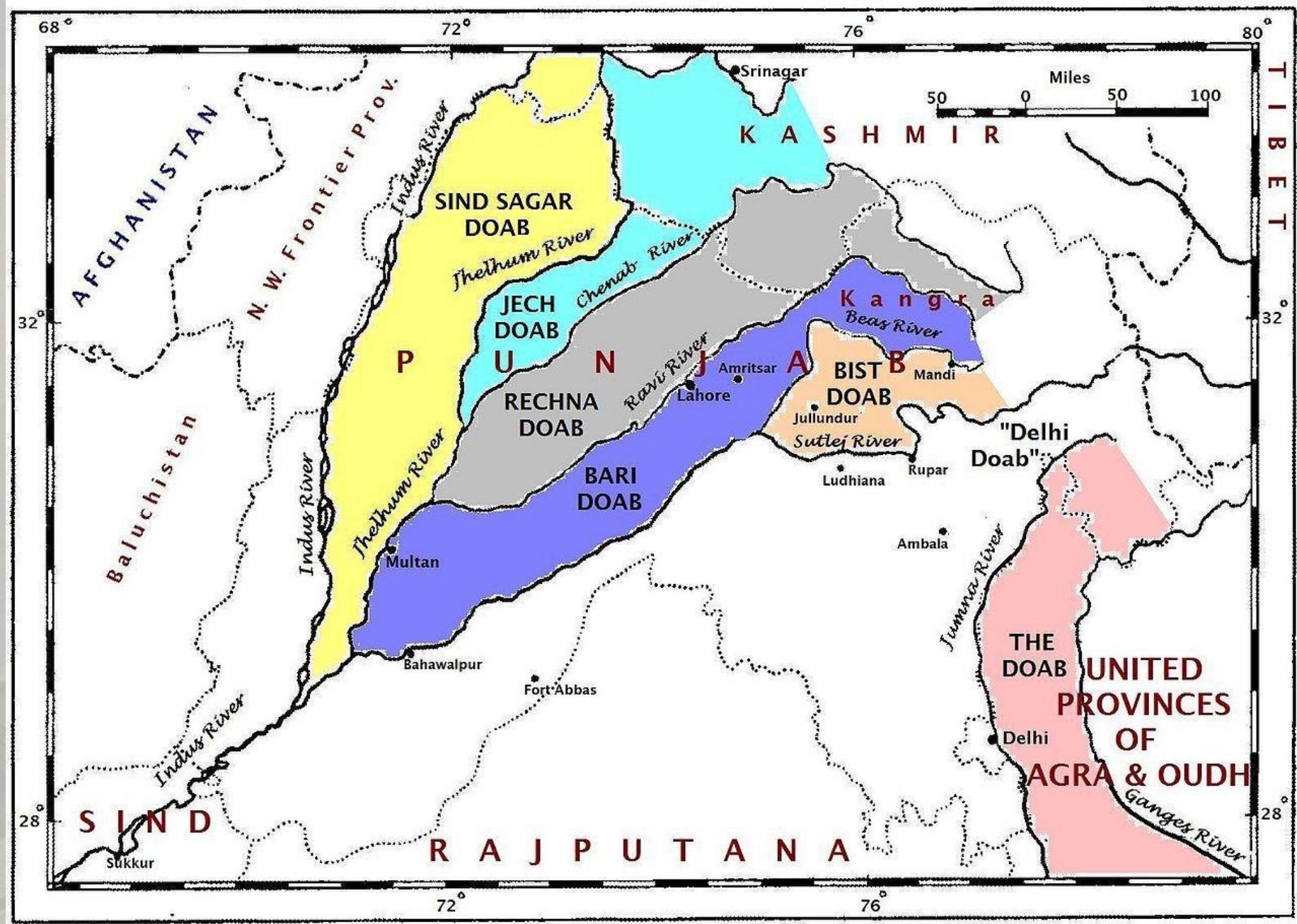




ANDAMAN AND NICOBAR ISLANDS

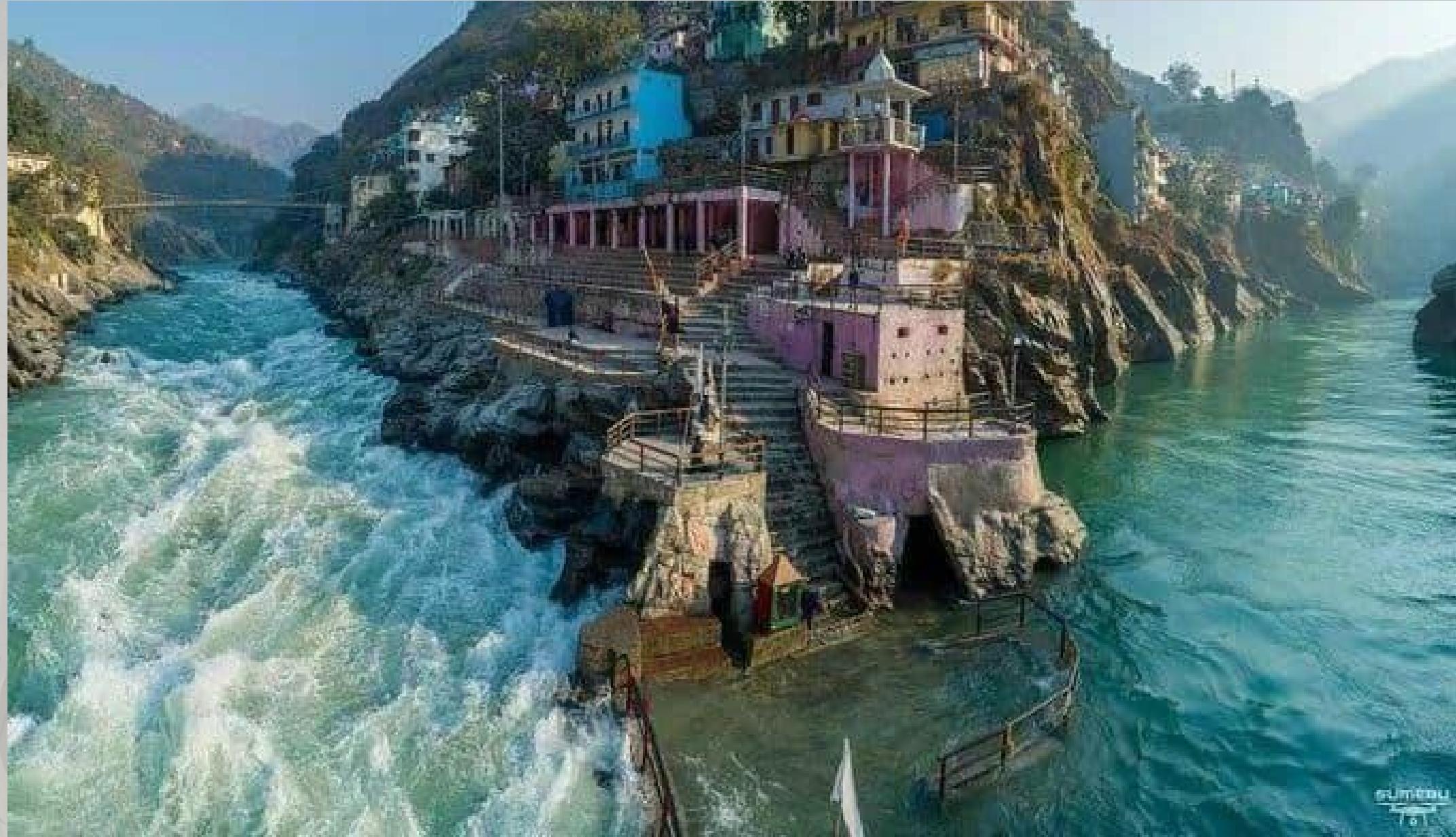






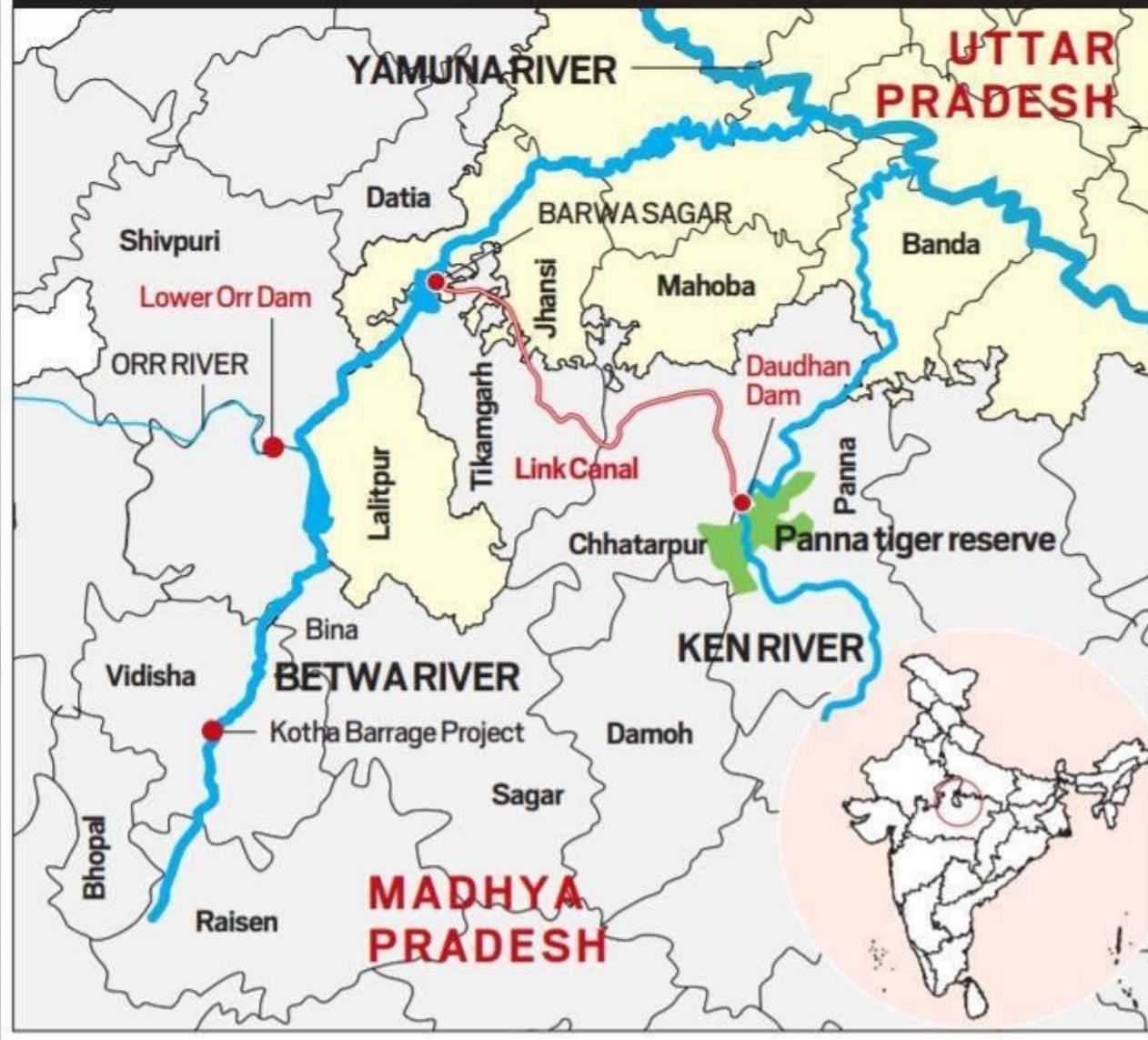


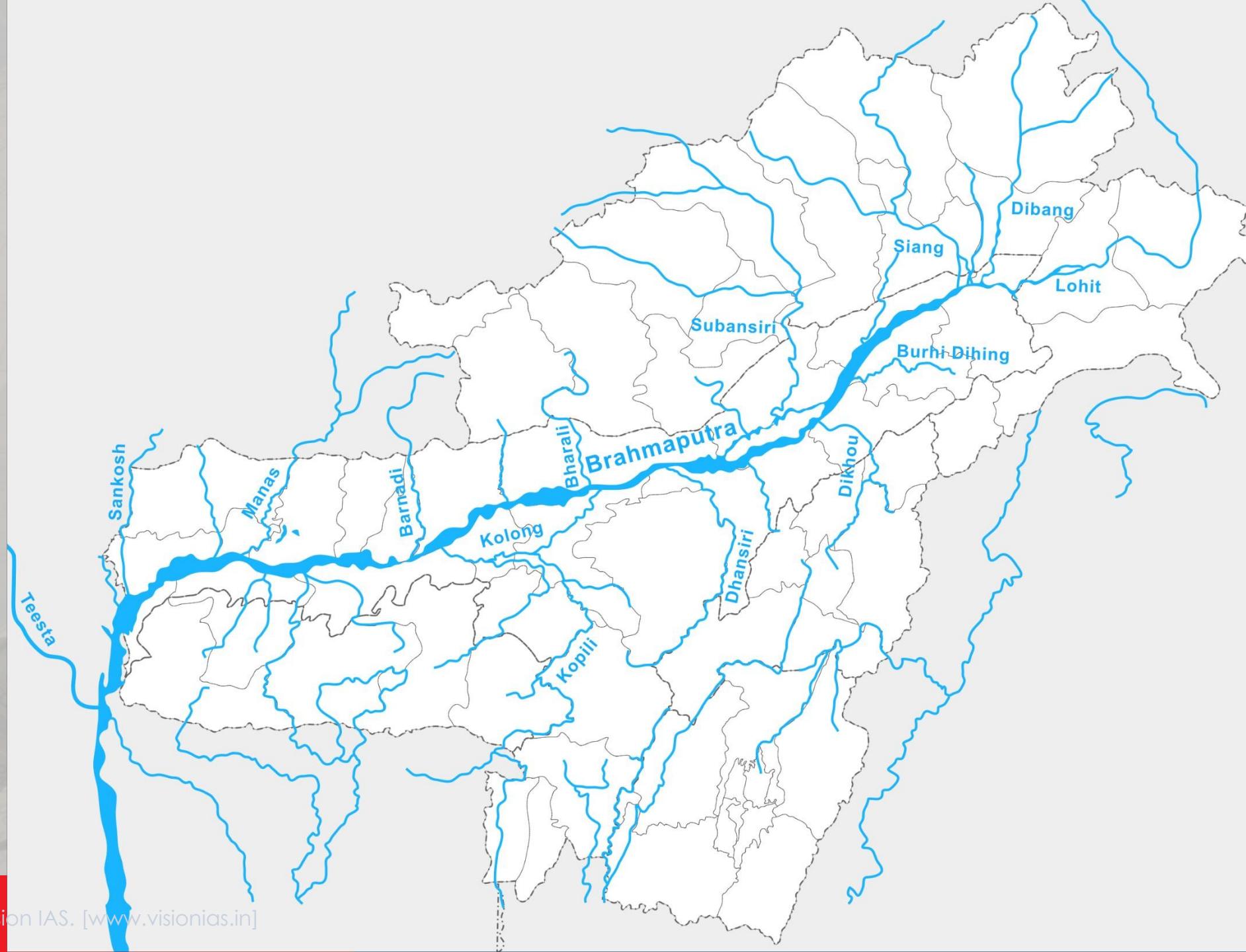






TWO STATES, TWO RIVERS AND A LINK





KAVERI WATERSHED

EXAGGERATED RELIEF



Prepared by Raj Bhagat Palanichamy; Data: SRTM (USGS/NASA); Twitter: @rajbhagatt



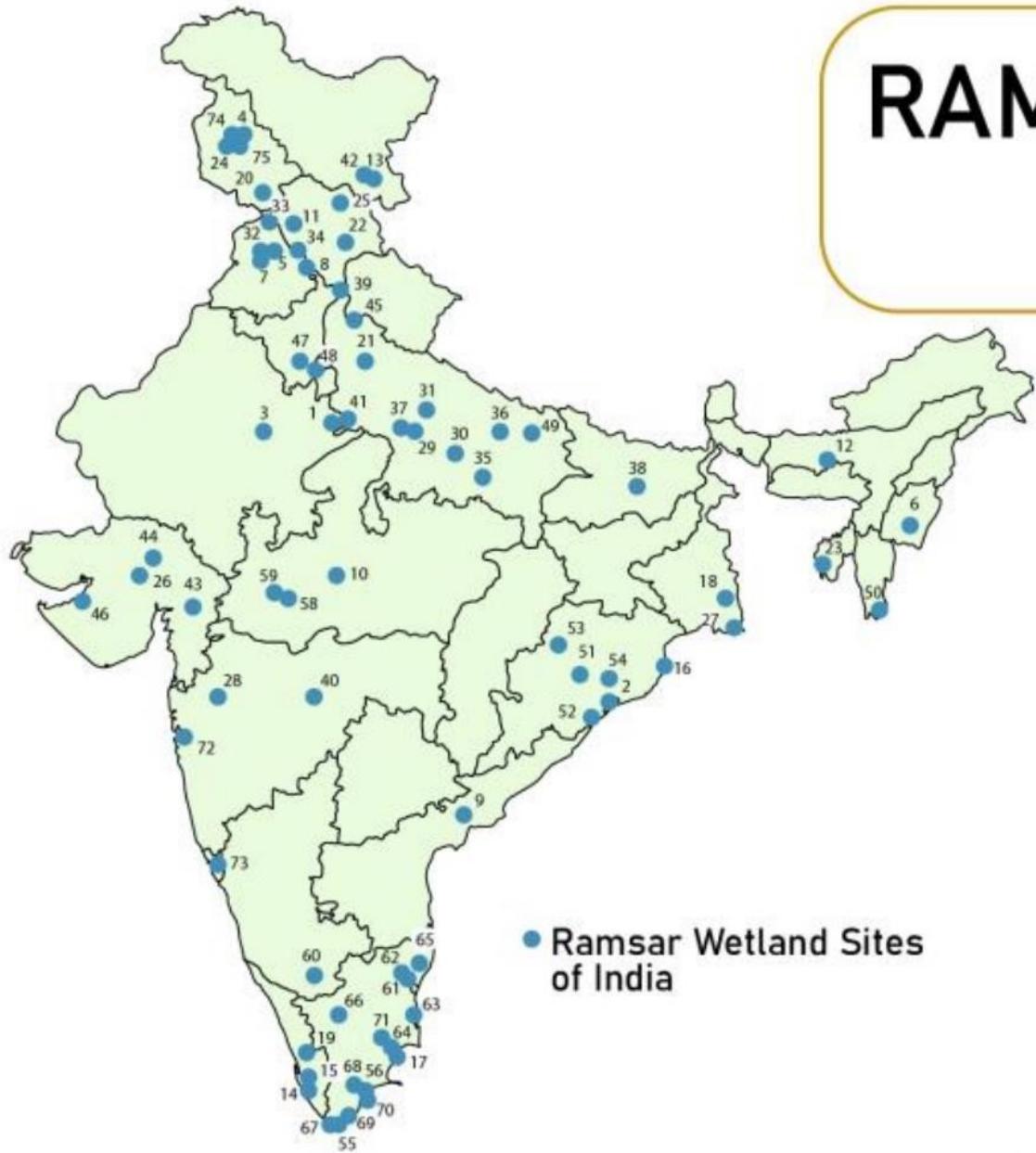
<https://river-runner-global.samlearner.com/>

INDIA

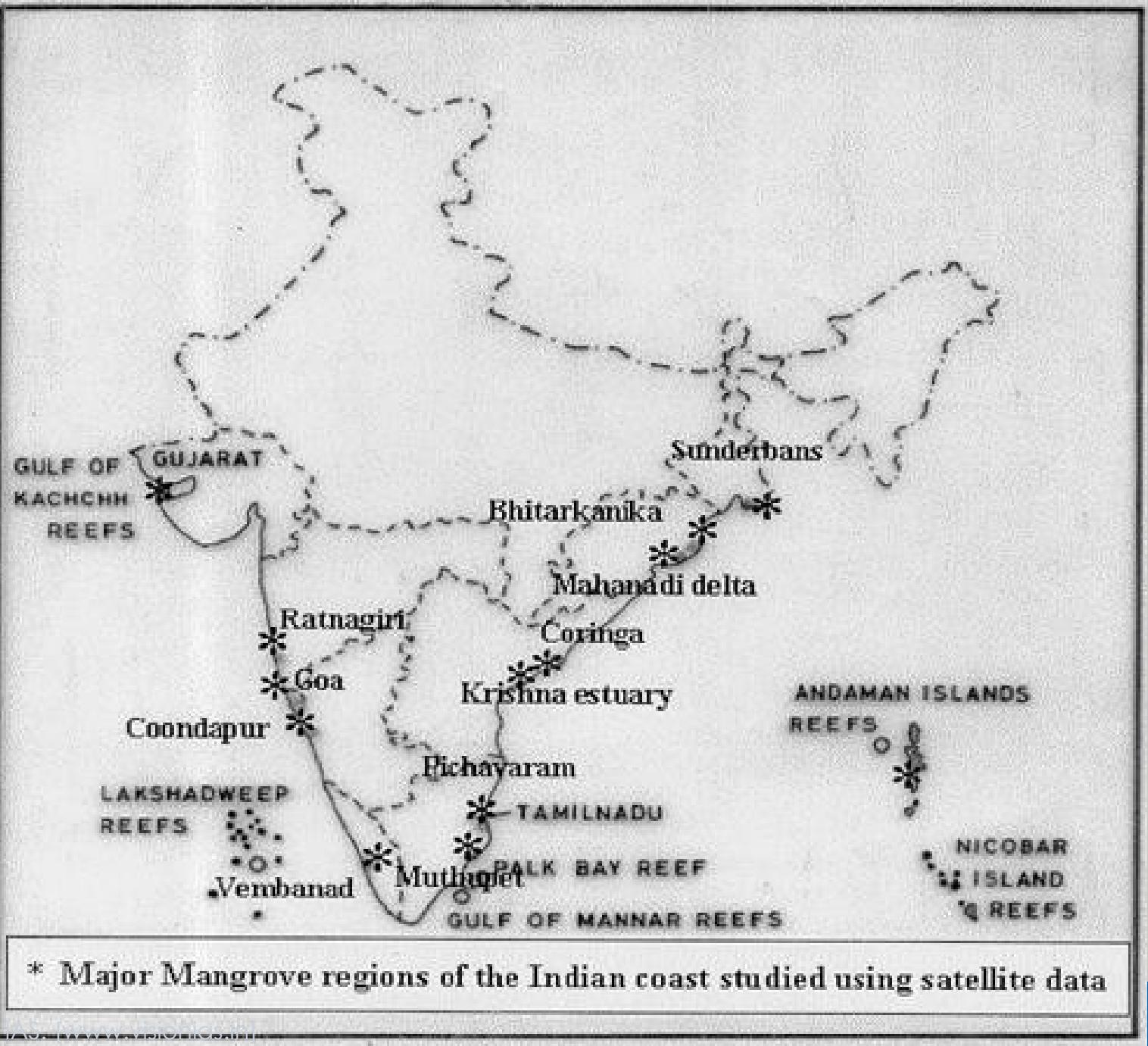
Rivers & Dams

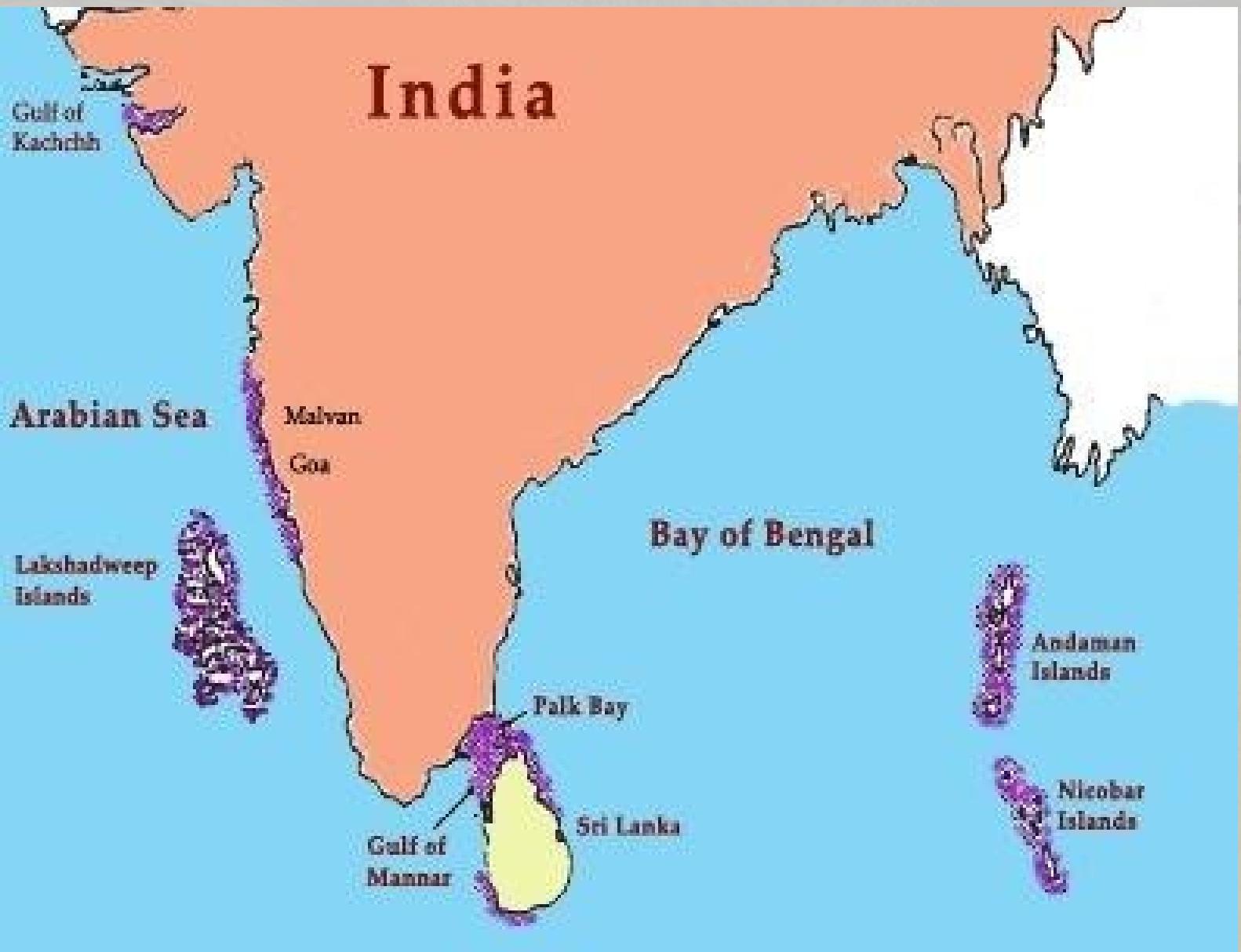


RAMSAR WETLAND SITES IN INDIA



S.NO	STATE LOCATION	DATE OF DECLARATION	AREA	S.NO	STATE LOCATION	DATE OF DECLARATION	AREA
1	Andhra Pradesh Kolleru Lake	19.8.2002	901.00	39	Odisha Tampara Lake	13.08.2022	3.00
2	Assam Deepor Beel	19.8.2002	40.00	40	Punjab Beas Conservation Reserve	26.9.2019	64.29
3	Bihar Kabartal Wetland	21.07.2020	26.20	41	Punjab Harike Lake	23.3.1990	41.00
4	Goa Nanda Lake	06.08.2022	0.42	42	Punjab Kanjli Lake	22.1.2002	1.83
5	Gujarat Khijadia Wildlife Sanctuary	13.04.2021	5.12	43	Punjab Keshopur-Miani Community Reserve	26.9.2019	3.44
6	Gujarat Nalsarovar Bird SanctuarY	24.09.2012	120.00	44	Punjab Nangal Wildlife Sanctuary	26.9.2019	1.16
7	Gujarat Thol Lake Wildlife Sanctuary	05.04.2021	6.99	45	Punjab Ropar Lake	22.1.2002	13.65
8	Gujarat Wadhvana Wetland	05.04.2021	6.30	46	Rajasthan Keoladeo Ghana NP	1.10.1981	28.73
9	Haryana Bhindawas Wildlife Sanctuary	25.05.2021	4.12	47	Rajasthan Sambhar Lake	23.3.1990	240.00
10	Haryana Sultanpur National Park	25.05.2021	1.43	48	Tamil Nadu Chitrangudi Bird Sanctuary	13.08.2022	2.60
11	H&P Chandertal Wetland	8.11.2005	0.49	49	Tamil Nadu Gulf of Mannar Marine Biosphere Reserve	04.08.2022	526.72
12	H&P Pong Dam Lake	19.8.2002	156.62	50	Tamil Nadu Kanjirankulam Bird Sanctuary	13.08.2022	0.97
13	H&P Renuka Wetland	8.11.2005	0.20	51	Tamil Nadu Karikili Bird Sanctuary	04.08.2022	0.58
14	J&K Hokera Wetland	8.11.2005	13.75	52	Tamil Nadu Koonthankulam Bird Sanctuary	11.08.2021	0.72
15	J&K Hygam Wetland Conservation Reserve	13.08.2022	8.02	53	Tamil Nadu Pallikaranai Marsh Reserve Forest	04.08.2022	12.48
16	J&K Shallbugh Wetland Conservation Reserve	13.08.2022	16.75	54	Tamil Nadu Pichavaram Mangrove Point Calimere Wildlife and Bird Sanctuary	04.08.2022	14.79
17	J&K Surinsar-Mansar Lakes	8.11.2005	3.50	55	Tamil Nadu Suchindram Thereroor Wetland Complex	19.8.2002	385.00
18	J&K Wular Lake	23.3.1990	189.00	56	Tamil Nadu Udhayamarthandapuram Bird Sanctuary	13.08.2022	0.94
19	Karnataka Ranganathittu Bird Sanctuary	15.02.2022	5.18	57	Tamil Nadu Vaduvur Bird Sanctuary	04.08.2022	0.44
20	Kerala Asthamudi Wetland	19.8.2002	61.40	58	Tamil Nadu Vedanthangal Bird Sanctuary	13.08.2022	1.13
21	Kerala Sasthamkotta Lake	19.8.2002	3.73	59	Tamil Nadu Sanctuary	04.08.2022	0.40
22	Kerala Vembanad Kol Wetland	19.8.2002	1512.50	60	Tamil Nadu Vellode Bird Sanctuary	04.08.2022	0.77
23	Ladakh Tso Kar Wetland Complex	17.11.2020	95.77	61	Tamil Nadu Vembannur Wetland Complex	04.08.2022	0.20
24	Ladakh Tsomoriri Lake	19.8.2002	120.00	62	Tripura Rudrasagar Lake	8.11.2005	2.40
25	Madhya Pradesh Bhoj Wetlands	19.8.2002	32.01	63	Uttar Pradesh Bakhira Wildlife Sanctuary	29.06.2021	28.94
26	Madhya Pradesh Sakhy Sagar	01.07.2022	2.48	64	Uttar Pradesh Haiderpur Wetland	8.12.2021	69.08
27	Madhya Pradesh Sirpur Wetland	01.07.2022	1.61	65	Uttar Pradesh Nawabganj Bird Sanctuary	19.9.2019	2.25
28	Madhya Pradesh Yashwant Sagar	13.08.2022	8.23	66	Uttar Pradesh Parvati Agra Bird Sanctuary	2.12.2019	7.22
29	Maharashtra Lonar Lake	22.7.2020	4.27	67	Uttar Pradesh Saman Bird Sanctuary	2.12.2019	5.26
30	Maharashtra Nandur Madhameshwari	21.6.2019	14.37	68	Uttar Pradesh Samaspur Bird Sanctuary	3.10.2019	7.99
31	Maharashtra Thane Creek	13.08.2022	65.21	69	Uttar Pradesh Sandi Bird Sanctuary	26.9.2019	3.09
32	Manipur Loktak Lake	23.3.1990	266.00	70	Uttar Pradesh Sarsai Nawar Jheel	19.9.2019	1.61
33	Mizoram Pala Wetland	31.08.2021	18.50	71	Uttar Pradesh Sur Sarovar	21.8.2020	4.31
34	Odisha Ansupa Lake	13.08.2022	2.31	72	Uttar Pradesh Upper Ganga River	8.11.2005	265.90
35	Odisha Bhitarkanika Mangroves	19.8.2002	650.00	73	Uttarakhand Asan Conservation Reserve	21.7.2020	4.44
36	Odisha Chilka Lake	1.10.1981	1165.00	74	West Bengal East Kolkata Wetlands	19.8.2002	125.00
37	Odisha Hirakud Reservoir	13.08.2022	654.00	75	West Bengal Sunderbans Wetland	30.1.2019	4230.00
38	Odisha Satkosia Gorge	10.12.2021	981.97				

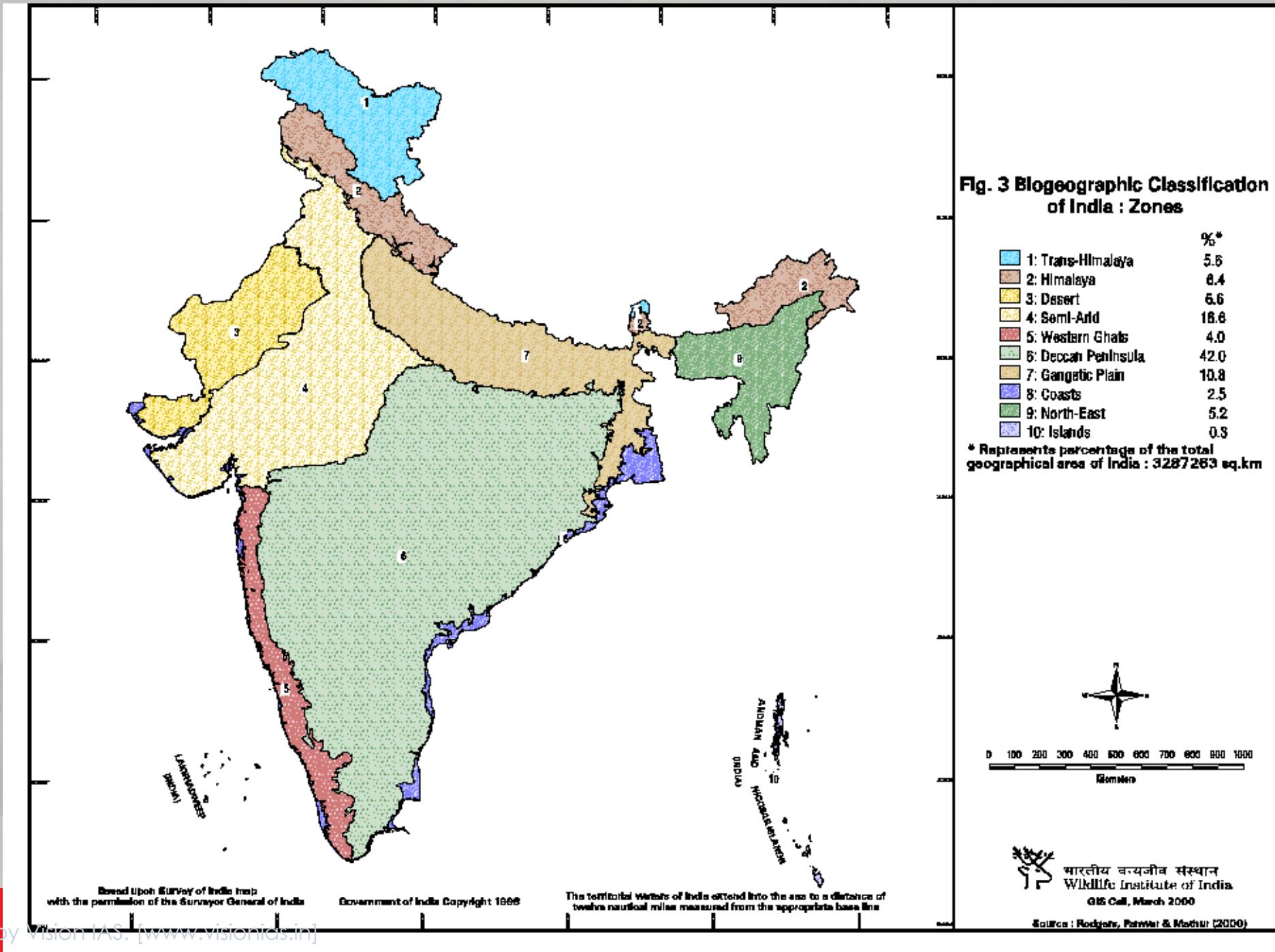






World Heritage Sites

<http://whc.unesco.org/en/statesparties/IN>



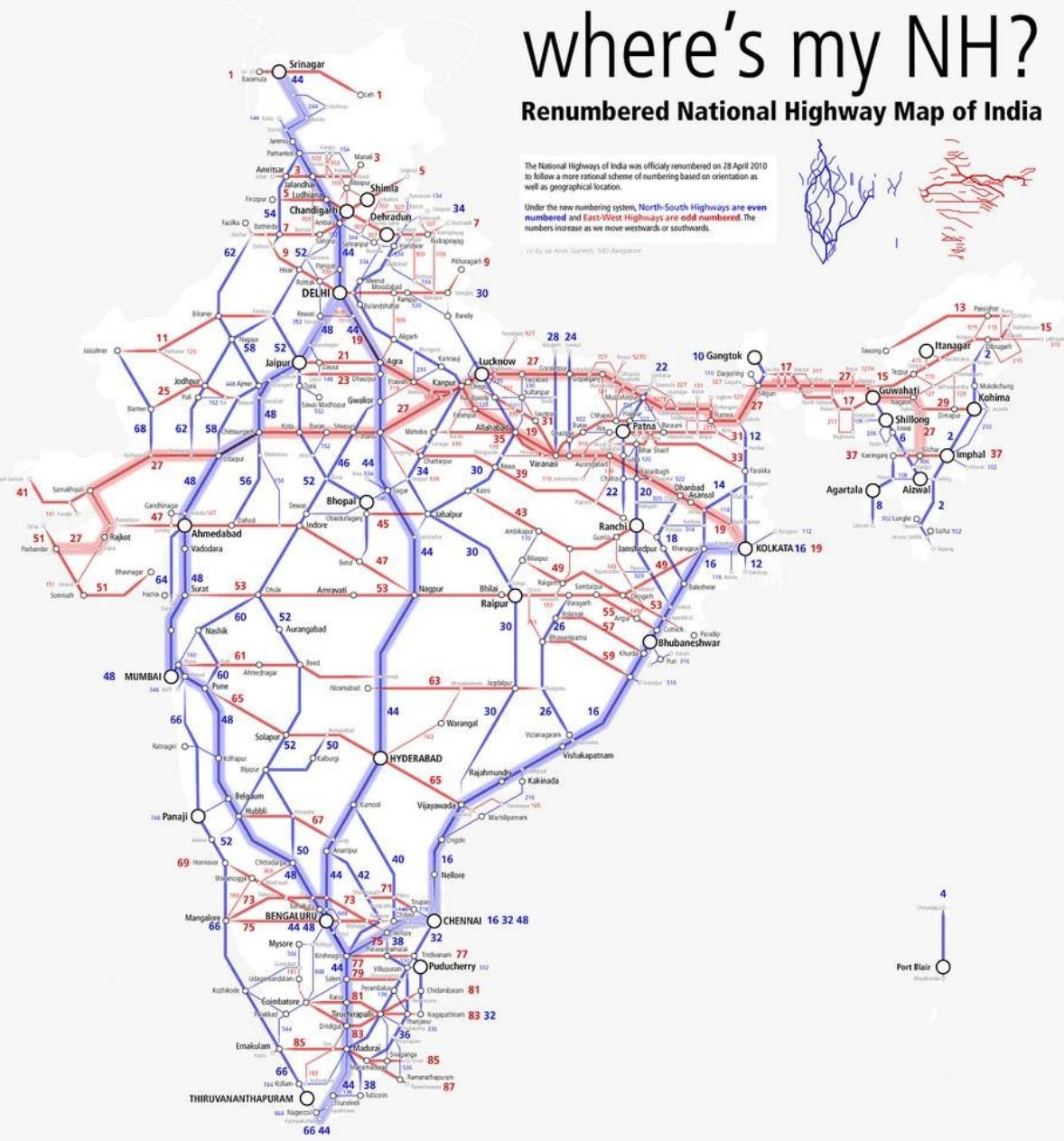


where's my NH?

Renumbered National Highway Map of India

The National Highways of India was officially renumbered on 28 April 2010 to follow a more rational scheme of numbering based on orientation as well as geographical location.

Under the new numbering system, North-South Highways are even numbered and East-West Highways are odd numbered. The numbers increase as we move westwards or southwards.



11 Industrial Corridors:

- Delhi-Mumbai Industrial Corridor (DMIC)
- Amritsar-Kolkata Industrial Corridor (AKIC)
- Chennai- Bengaluru Industrial Corridor (CBIC)
- Vizag-Chennai Industrial Corridor (VCIC)
- East Coast Economic Corridor (ECEC)
- Hyderabad- Nagpur Industrial Corridor (HNIC)
- Hyderabad- Warangal Industrial Corridor (HWIC)
- Hyderabad- Bengaluru Industrial Corridor (HBIC)
- Bengaluru Mumbai Industrial Corridor (BMIC)
- Extension of CBIC to Kochi via Coimbatore
- Delhi-Nagpur Industrial Corridor (DNIC)



National Waterways

TOTAL LENGTH:

4,503 KM

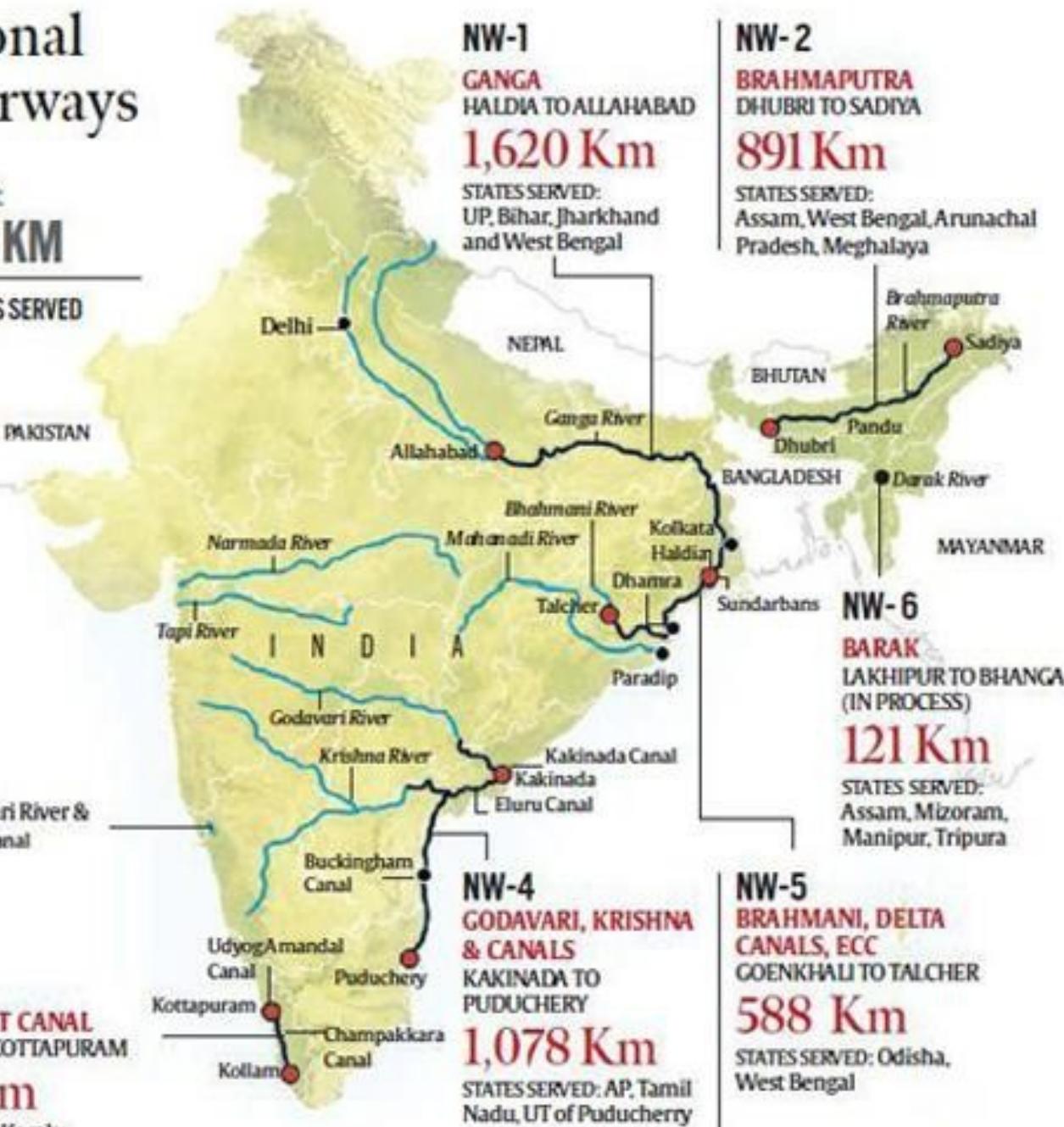
TOTAL STATES SERVED
15

Arabian Sea

Mandovi, Zuari River &
Cumberjua Canal

NW-3

WEST COAST CANAL
KOLLAM TO KOTTAPURAM
205 Km



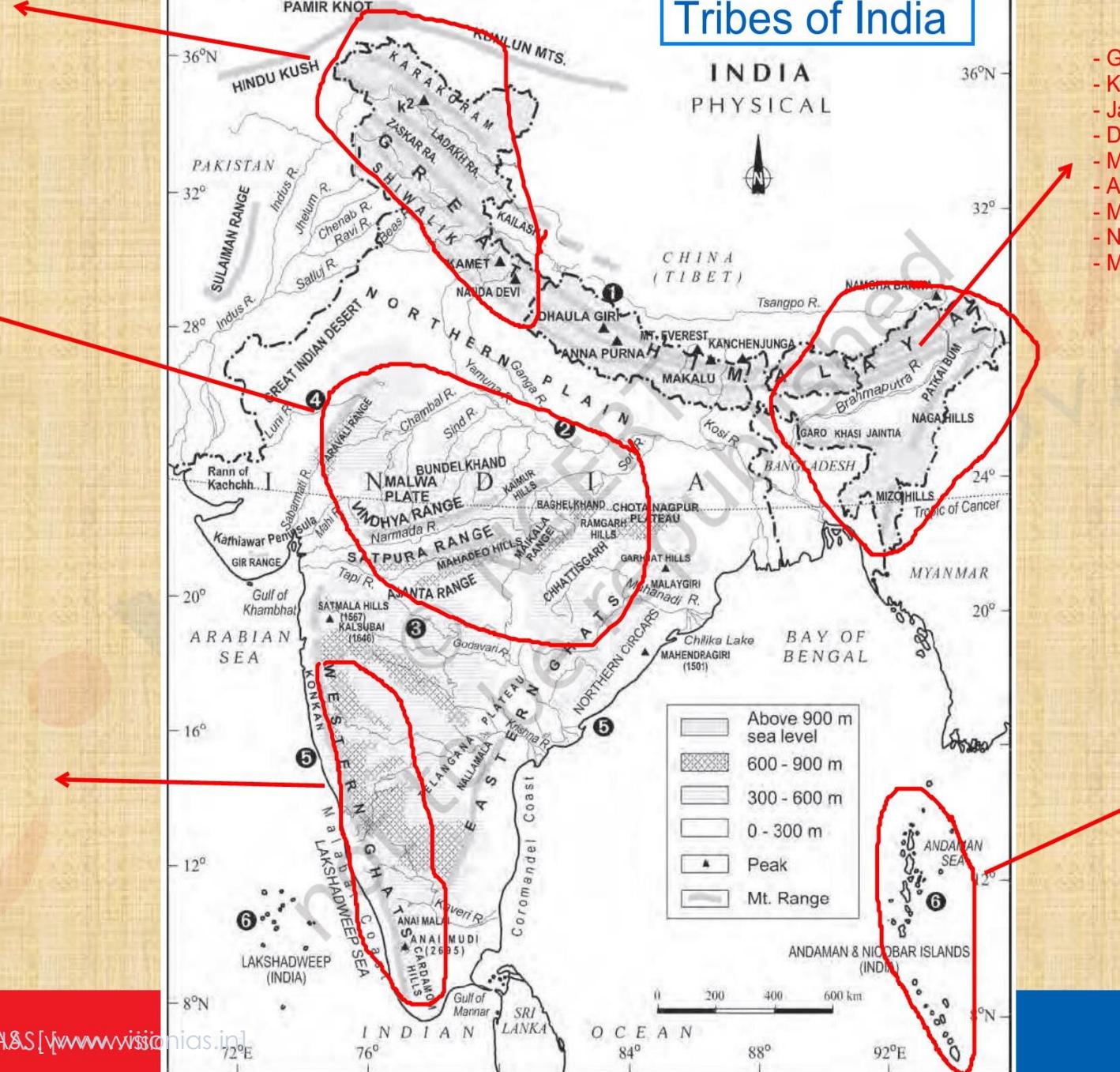
INDIA
**MAJOR & INTERMEDIATE
SEA PORTS**



- Bakerwal
- Gaddis
- Tharu
- Changpa
- Bhotias

- Bhils
- Khonds
- Gond
- Asur
- Munda
- Meena
- Abujmarya
- Bisonhornmarya

- Irulas
- Todas
- Puliyan
- Uralis
- Jenu kurubas
- Chenchu
- Soliga



- Garo
- Khasi
- Jaintia
- Dafla
- Miri
- Abor
- Mishmi
- Naga
- Mikir

- Andamanese
- Nicobarese
- Onge
- Jarawa
- Sentineles
- Shompen



Questions??



- Online query (For faster reply)
- Read and revise what is taught
- Read the reference material
- Mentoring sessions

If Dil Maange beyond MORE...

Mail: rajesh@visionias.in
Twitter: [@naturiousoul](https://twitter.com/naturiousoul)

Sl. No.	Topic	Q. No.	Question
1	World - Political	2022	<p>The term “Levant” often heard in the news roughly corresponds to which of the following regions?</p> <p>(a) Region along the eastern Mediterranean shores (b) Region along North African shores stretching from Egypt to Morocco (c) Region along Persian Gulf and Horn of Africa (d) The entire coastal areas of Mediterranean Sea</p>
2	World - Political	2022	<p>Consider the following countries:</p> <p>1. Azerbaijan 2. Kyrgyzstan 3. Tajikistan 4. Turkmenistan 5. Uzbekistan</p> <p>Which of the above have borders with Afghanistan?</p> <p>(a) 1, 2 and 5 only (b) 1, 2, 3 and 4 only (c) 3, 4 and 5 only (d) 1, 2, 3, 4 and 5</p>
4	World - Political	2022	<p>Consider the following countries:</p> <p>1. Armenia 2. Azerbaijan 3. Croatia 4. Romania 5. Uzbekistan</p> <p>Which of the above are members of the Organization of Turkic States?</p> <p>(a) 1, 2 and 4 (b) 1 and 3 (c) 2 and 5 (d) 3, 4 and 5</p>

5	World - Political	2022	<p>Which one of the following statements best reflects the issue with Senkaku Islands, sometimes mentioned in the news?</p> <p>(a) It is generally believed that they are artificial islands made by a country around South China Sea. (b) China and Japan engage in maritime disputes over these islands in East China Sea. (c) A permanent American military base has been set up there to help Taiwan to increase its defence capabilities. (d) Through International Court of Justice declared them as no man's land, some South-East Asian countries claim them</p>
6	World - Political	2022	<p>Consider the following pairs:</p> <p>Country - Important reason for being in the news recently</p> <p>1. Chad – Setting up of permanent military base by China. 2. Guinea – Suspension of Constitution and Government by military 3. Lebanon – Severe and prolonged economic depression 4. Tunisia – Suspension of Parliament by President</p> <p>How many pairs given above are correctly matched?</p> <p>(a) Only one pair (b) Only two pairs (c) Only three pairs (d) All four pairs</p>
7	World - Political	2022	<p>Consider the following pairs:</p> <p>Region often mentioned in the news - Country</p> <p>1. Anatolia – Turkey 2. Amhara – Ethiopia 3. Cabo Delgado – Spain 4. Catalonia – Italy</p> <p>How many pairs given above are correctly matched?</p> <p>(a) Only one pair (b) Only two pairs (c) Only three pairs (d) All four pairs</p>

8	World - Political	2019	<p>Consider the following pairs:</p> <p>SeaBordering country</p> <ol style="list-style-type: none"> 1. Adriatic Sea:Albania 2. Black Sea:Croatia 3. Caspian Sea:Kazakhstan 4. Mediterranean Sea:Morocco 5. Red Sea:Syria <p>Which of the pairs given above are correctly matched?</p> <p>(a)1, 2 and 4 only (b)1, 3 and 4 only (c)2 and 5 only (d)1, 2, 3, 4 and 5</p>										
9	World - Political	2018	<p>Consider the following pairs:</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; width: 50%;">Regions sometimes mentioned in news</th> <th style="text-align: left; width: 50%;">Country</th> </tr> </thead> <tbody> <tr> <td>1. Catalonia</td> <td>- Spain</td> </tr> <tr> <td>2. Crimea</td> <td>- Hungary</td> </tr> <tr> <td>3. Mindanao</td> <td>- Philippines</td> </tr> <tr> <td>4. Oromia</td> <td>- Nigeria</td> </tr> </tbody> </table> <p>Which of the pair given above are correctly matched?</p> <p>(a) 1, 2 and 3 (b) 3 and 4 only (c) 1 and 3 only (d) 2 and 4 only</p>	Regions sometimes mentioned in news	Country	1. Catalonia	- Spain	2. Crimea	- Hungary	3. Mindanao	- Philippines	4. Oromia	- Nigeria
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10	World - Political	2018	<p>Consider the following pairs:</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; width: 50%;">Towns sometimes mentioned in news</th> <th style="text-align: left; width: 50%;">Country</th> </tr> </thead> <tbody> <tr> <td>1. Aleppo</td> <td>- Syria</td> </tr> <tr> <td>2. Kirkuk</td> <td>- Yemen</td> </tr> <tr> <td>3. Mosul</td> <td>- Palestine</td> </tr> <tr> <td>4. Mazar-i-sharif</td> <td>- Afghanistan</td> </tr> </tbody> </table> <p>Which of the pairs given above are correctly matched?</p> <p>(a) 1 and 2 (b) 1 and 4 (c) 2 and 3 (d) 3 and 4</p>	Towns sometimes mentioned in news	Country	1. Aleppo	- Syria	2. Kirkuk	- Yemen	3. Mosul	- Palestine	4. Mazar-i-sharif	- Afghanistan
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11	World - Political	2018	The term "two-state solution" is sometimes mentioned in the news in the context of the affairs of (a) China (b) Israel (c) Iraq (d) Yemen
12	World - Political	2018	Very recently, in which of the following countries have lakhs of people either suffered from severe famine/acute malnutrition or died due to starvation caused by war/ethnic conflicts? (a) Angola and Zambia (b) Morocco and Tunisia (c) Venezuela and Colombia (d) Yemen and South Sudan
13	World - Political	2017	Mediterranean Sea is a border of which of the following countries? 1. Jordan 2. Iraq 3. Lebanon 4. Syria Select the correct answer using the code given below: (a) 1, 2 and 3 only (b) 2 and 3 only (c) 3 and 4 only (d) 1, 3 and 4 only
14	World - Political	2016	Which of the following is not a member of 'Gulf Cooperation Council'? (a) Iran (b) Saudi Arabia (c) Oman (d) Kuwait

15	World - Political	2016	<p>Consider the following pairs: Community sometimes mentioned in the news In the affairs of</p> <p>1. Kurd : Bangladesh 2. Madhesi : Nepal 3. Rohingya : Myanmar</p> <p>Which of the pairs given above is/are correctly matched?</p> <p>(a) 1 and 2 (b) 2 only (c) 2 and 3 (d) 3 only</p>
16	World - Political	2015	<p>The area known as 'Golan Heights' sometimes appears in the news in the context of the events related to</p> <p>(a) Central Asia (b) Middle East (c) South-East Asia (d) Central Africa</p>
17	World - Political	2015	<p>Which one of the following countries of South-West Asia does not open out to the Mediterranean Sea?</p> <p>(a) Syria (b) Jordan (c) Lebanon (d) Israel</p>
18	World - Political	2015	<p>Among the following, which were frequently mentioned in the news for the outbreak of Ebola virus recently?</p> <p>(a) Syria and Jordan (b) Guinea, Sierra Leone and Liberia (c) Philippines and Papua New Guinea (d) Jamaica, Haiti and Surinam</p>

19	World - Political	2014	<p>Turkey is located between</p> <ul style="list-style-type: none"> (a) Black Sea and Caspian Sea (b) Black Sea and Mediterranean Sea (c) Gulf of Suez and Mediterranean Sea (d) Gulf of Aqaba and Dead Sea
20	World - Political	2014	<p>What is the correct sequence of occurrence of the following cities in South-East Asia as one proceeds from south to north?</p> <ol style="list-style-type: none"> 1. Bangkok 2. Hanoi 3. Jakarta 4. Singapore <p>Select the correct answer using the code given below.</p> <ul style="list-style-type: none"> (a) 4-2-1-3 (b) 3-2-4-1 (c) 3-4-1-2 (d) 4-3-2-1
21	World - Political	2014	<p>Consider the following pairs:</p> <p>Region often in news Country</p> <ol style="list-style-type: none"> 1. Chechnya : Russian Federation 2. Darfur : Mali 3. Swat Valley : Iraq <p>Which of the above pairs is/are correctly matched?</p> <ul style="list-style-type: none"> (a) 1 only (b) 2 and 3 only (c) 1 and 3 only (d) 1, 2 and 3
22	World - Physical	2022	<p>Which one of the following lakes of West Africa has become dry and turned into a desert ?</p> <ul style="list-style-type: none"> (a) Lake Victoria (b) Lake Faguibine (c) Lake Oguta (d) Lake Volta

23	World - Physical	2020	<p>Consider the following pairs:</p> <table border="0"> <thead> <tr> <th>River</th><th>Flows into</th></tr> </thead> <tbody> <tr> <td>1. Mekong</td><td>: Andaman Sea</td></tr> <tr> <td>2. Thames</td><td>: Irish Sea</td></tr> <tr> <td>3. Volga</td><td>: Caspian Sea</td></tr> <tr> <td>4. Zambezi</td><td>: Indian Ocean</td></tr> </tbody> </table> <p>Which of the pairs given above is/are correctly matched?</p> <p>(a) 1 and 2 only (b) 3 only (c) 3 and 4 only (d) 1, 2 and 4 only</p>	River	Flows into	1. Mekong	: Andaman Sea	2. Thames	: Irish Sea	3. Volga	: Caspian Sea	4. Zambezi	: Indian Ocean
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4. Zambezi	: Indian Ocean												
24	World - Physical	2018	<p>Which of the following has/have shrunk immensely/dried up the recent past due to human activities?</p> <p>1. Aral Sea 2. Black Sea 3. Lake Baikal</p> <p>Select the correct answer using the code given below:</p> <p>(a) 1 only (b) 2 and 3 (c) 2 only (d) 1 and 3</p>										
25	World - Physical	2013	<p>Which one of the following pairs is correctly matched?</p> <table border="0"> <thead> <tr> <th>Geographical feature</th> <th>Region</th> </tr> </thead> <tbody> <tr> <td>A. Abyssinian Plateau:</td> <td>Arabia</td> </tr> <tr> <td>B. Atlas Mountains:</td> <td>North-Western Africa</td> </tr> <tr> <td>C. Guiana Highlands:</td> <td>South-Western Africa</td> </tr> <tr> <td>D. Okavango Basin:</td> <td>Patagonia</td> </tr> </tbody> </table>	Geographical feature	Region	A. Abyssinian Plateau:	Arabia	B. Atlas Mountains:	North-Western Africa	C. Guiana Highlands:	South-Western Africa	D. Okavango Basin:	Patagonia
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3	World - Economic	2022	<p>Consider the following statements:</p> <p>1. Bidibidi is a large refugee settlement in north-western Kenya. 2. Some people who fled from South Sudan civil war live in Bidibidi. 3. Some people who fled from civil war in Somalia live in Dadaab refugee complex in Kenya.</p> <p>Which of the statements given above is/are correct?</p> <p>(a) 1 and 2 (b) 2 only (c) 2 and 3 (d) 3 only</p>										

26	World - Economic	2017	<p>What is the importance of developing Chabahar Port by India?</p> <p>(a) India's trade with African countries will enormously increase. (b) India's relations with oil-producing Arab countries will be strengthened. (c) India will not depend on Pakistan for access to Afghanistan and Central Asia. (d) Pakistan will facilitate and protect the installation of a gas pipeline between Iraq and India.</p>
27	World - Economic	2016	<p>'Belt and Road Initiative' is sometimes mentioned in the news in the context of the affairs of</p> <p>(a) African Union (b) Brazil (c) European Union (d) China</p>
28	World - Economic	2015	<p>In the Mekong-Ganga Cooperation, an initiative of six countries, which of the following is/are not a participant/ participants?</p> <p>1. Bangladesh 2. Cambodia 3. China 4. Myanmar 5. Thailand</p> <p>Select the correct answer using the code given below.</p> <p>(a) 1 only (b) 2, 3 and 4 (c) 1 and 3 (d) 1, 2 and 5</p>
29	India - Political	2018	<p>Among the following cities, which one lies on a longitude closest to that of Delhi?</p> <p>(a) Bengaluru (b) Hyderabad (c) Nagpur (d) Pune</p>

30	India - Political	2017	<p>Which of the following is geographically closest to Great Nicobar ?</p> <p>(a) Sumatra (b) Borneo (c) Java (d) Sri Lanka</p>												
31	India - Political	2017	<p>If you travel by road from Kohima to Kottayam, what is the minimum number of States within India through which you can travel, including the origin and the destination?</p> <p>(a) 6 (b) 7 (c) 8 (d) 9</p>												
32	India - Political	2016	<p>Consider the following pairs:</p> <table> <thead> <tr> <th>Famous Place</th> <th>Region</th> </tr> </thead> <tbody> <tr> <td>1. Bodhgaya</td> <td>Baghelkhand</td> </tr> <tr> <td>2. Khajuraho</td> <td>Bundelkhand</td> </tr> <tr> <td>3. Shirdi</td> <td>Vidarbha</td> </tr> <tr> <td>4. Nasik (Nashik)</td> <td>Malwa</td> </tr> <tr> <td>5. Tirupati</td> <td>Rayalaseema</td> </tr> </tbody> </table> <p>Which of the pairs given above are correctly matched?</p> <p>(a) 1, 2 and 4 (b) 2, 3, 4 and 5 (c) 2 and 5 only (d) 1, 3, 4 and 5</p>	Famous Place	Region	1. Bodhgaya	Baghelkhand	2. Khajuraho	Bundelkhand	3. Shirdi	Vidarbha	4. Nasik (Nashik)	Malwa	5. Tirupati	Rayalaseema
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3. Shirdi	Vidarbha														
4. Nasik (Nashik)	Malwa														
5. Tirupati	Rayalaseema														
33	India - Political	2015	<p>Which one of the following pairs of States of India indicates the easternmost and westernmost State?</p> <p>(a) Assam and Rajasthan (b) Arunachal Pradesh and Rajasthan (c) Assam and Gujarat (d) Arunachal Pradesh and Gujarat</p>												

34	India - Political	2014	Which one of the following pairs of islands is separated from each other by the "Ten Degree Channel"? (a) Andman and Nicobar (b) Nicobar and Sumatra (c) Maldives and Lakshadweep (d) Sumatra and Java
35	India - Physical	2022	Gandikota canyon of South India was created by which one of the following rivers. (a) Cauvery (b) Manjira (c) Pennar (d) Tungabhadra
36	India - Physical	2022	Consider the following pairs : Peak Mountains 1. Namcha Barwa — Garhwal Himalaya 2. Nanda Devi — Kumaon Himalaya 3. Nokrek — Sikkim Himalaya Which of the pairs given above is/are correctly matched ? (a) 1 and 2 (b) 2 only (c) 1 and 3 (d) 3 only
37	India - Physical	2022	Consider the following pairs : Wetland/Lake Location 1. Hokera Wetland -Punjab 2. Renuka Wetland -Himachal Pradesh 3. Rudrasagar Lake -Tripura 4. Sasthamkotta Lake - Tamil Nadu How many pairs given above are correctly matched? (a) Only one pair (b) Only two pairs (c) Only three pairs (d) All four pairs

38	India - Physical	2022	<p>Consider the following pairs:</p> <table border="0"> <tr> <td>Reservoirs</td><td>States</td></tr> </table> <p>1. Ghataprabha – Telangana 2. Gandhi Sagar – Madhya Pradesh 3. Indira Sagar – Andhra Pradesh 4. Maithon – Chhattisgarh</p> <p>How many pairs given above are not correctly matched?</p> <ul style="list-style-type: none"> (a) Only one pair (b) Only two pairs (c) Only three pairs (d) All four pairs 	Reservoirs	States
Reservoirs	States				
39	India - Physical	2021	<p>With reference to the Indus river system, of the following four rivers, three of them pour into one of them which joins the Indus direct. Among the following, which one is such river that joins the Indus direct?</p> <ul style="list-style-type: none"> (a) Chenab (b) Jhelum (c) Ravi (d) Sutlej 		
40	India - Physical	2021	<p>With reference to India, Didwana, Kuchaman, Sargol and Khatu are the names of</p> <ul style="list-style-type: none"> (a) glaciers (b) mangrove areas (c) Ramsar sites (d) saline lakes 		

41	India - Physical	2021	<p>Consider the following rivers:</p> <ol style="list-style-type: none"> 1. Brahmani 2. Nagavali 3. Subarnarekha 4. Vamsadhara <p>Which of the above rise from the Eastern Ghats?</p> <ol style="list-style-type: none"> (a) 1 and 2 (b) 2 and 4 (c) 3 and 4 (d) 1 and 3
42	India - Physical	2020	<p>Which of the following Protected Areas are located in Cauvery basin?</p> <ol style="list-style-type: none"> 1. Nagarhole National park 2. Papikonda National Park 3. Sathyamagalam Tiger Reserve 4. Wayanand Wildlife Sanctuary <p>Select the correct answer using the code given below:</p> <ol style="list-style-type: none"> (a) 1 and 2 only (b) 3 and 4 only (c) 1, 3 and 4 only (d) 1, 2, 3 and 4
43	India - Physical	2020	<p>Siachen Glacier is situated to the</p> <ol style="list-style-type: none"> (a) East of Aksai Chin (b) East of Leh (c) North of Gilgit (d) North of Nubra Valley
44	India - Physical	2020	<p>Which one of the following protected areas is well-known for the conservation of a sub-species of the Indian swamp deer (Barasingha) that thrives well on hard ground and is exclusively graminivorous?</p> <ol style="list-style-type: none"> (a) Kanha National Park (b) Manas National Park (c) Mudumalai Wildlife Sanctuary (d) Tal Chhapar Wildlife Sanctuary

45	India - Physical	2020	<p>Which of the following are the most likely places to find the musk deer in its natural habitat?</p> <ol style="list-style-type: none"> 1. Askot Wildlife Sanctuary 2. Gangotri National Park 3. Kishanpur Wildlife Sanctuary 4. Manas National Park <p>Select the correct answer using the code given below:</p> <ol style="list-style-type: none"> (a) 1 and 2 only (b) 2 and 3 only (c) 3 and 4 only (d) 1 and 4 only
46	India - Physical	2020	<p>Among the following Tiger Reserves, which one has the largest area under "Critical Tiger Habitat"?</p> <ol style="list-style-type: none"> (a) Corbett (b) Ranthambore (c) Nagarjunsagar-Srisailam (d) Sunderbans
47	India - Physical	2020	<p>With reference to India's Desert National Park, which of the following statements are correct?</p> <ol style="list-style-type: none"> 1. It is spread over two districts. 2. There is no human habitation inside the Park. 3. It is one of the natural habitats of Great Indian Bustard. <p>Select the correct answer using the code given below:</p> <ol style="list-style-type: none"> (a) 1 and 2 only (b) 2 and 3 only (c) 1 and 3 only (d) 1, 2 and 3

48	India - Physical	2019	<p>Consider the following pairs:</p> <table border="0"> <tr> <td>Glacier</td><td>River</td></tr> </table> <p>1. Bandarpunch : Yamuna 2. Bara Shigri : Chenab 3. Milam : Mandakini 4. Siachen : Nubra 5. Zemu Manas</p> <p>Which of the pairs given above are correctly matched?</p> <ul style="list-style-type: none"> (a) 1, 2 and 4 (b) 1, 3 and 4 (c) 2 and 5 (d) 3 and 5 	Glacier	River
Glacier	River				
49	India - Physical	2019	<p>What is common to the places known as Aliyar, Isapur and Kangsabati?</p> <ul style="list-style-type: none"> (a) Recently discovered uranium deposits (b) Tropical rain forests (c) Underground cave systems (d) Water reservoirs 		
50	India - Physical	2019	<p>Consider the following pairs:</p> <table border="0"> <tr> <td>Famous Place</td> <td>River</td> </tr> </table> <p>1. Pandharpur : Chandrabhaga 2. Tiruchirappalli : Cauvery 3. Hampi : Malaprabha</p> <p>Which of the pairs given above are correctly matched?</p> <ul style="list-style-type: none"> (a) 1 and 2 only (b) 2 and 3 only (c) 1 and 3 only (d) 1, 2 and 3 	Famous Place	River
Famous Place	River				
51	India - Physical	2019	<p>Which one of the following National Parks lies completely in the temperate alpine</p> <ul style="list-style-type: none"> (a) Manas National Park (b) Namdahpa National Park (c) Neora Valley National Park (d) Valley of Flowers National Park 		

52	India - Physical	2019	<p>Consider the following pairs: WildlifeNaturally found in</p> <ol style="list-style-type: none"> 1. Blue-finned Mahseer:Cauvery River 2. Irrawaddy Dolphin:Chambal River 3. Rusty-spotted Cat:Eastern Ghats <p>Which of the pairs given above are correctly matched?</p> <ol style="list-style-type: none"> (a)1 and 2 only (b)2 and 3 only (c)1 and 3 only (d)1, 2 and 3
53	India - Physical	2019	<p>Which of the following are in Agasthyamala Biosphere Reserve?</p> <ol style="list-style-type: none"> (a)Neyyar, Peppara and Shendurney Wildlife Sanctuaries; and Kalakad Mundanthurai Tiger Reserve (b)Mudumalai, Sathyamangalam and Wayanad Wildlife Sanctuaries; and Silent Valley National Park (c)Kaundinya, Gundla Brahmeswaram and Papikonda Wildlife Sanctuaries; and Mukurthi National Park (d)Kawal and Sri Venkateswara Wildlife Sanctuaries; and Nagarjunasagar-Srisailam Tiger Reserve
54	India - Physical	2018	<p>Consider the following statements:</p> <ol style="list-style-type: none"> 1. The Barren Island volcano is an active volcano located in the Indian territory. 2. Barren Island lies about 140 km east of Great Nicobar. 3. The last time the Barren Island volcano erupted was in 1991 and it has remained inactive since then. <p>Which of the statements given above is/are correct?</p> <ol style="list-style-type: none"> (a) 1 only (b) 2 and 3 (c) 3 only (d) 1 and 3
55	India - Physical	2018	<p>Which one of the following is an artificial lake?</p> <ol style="list-style-type: none"> (a) Kodaikanal (Tamil Nadu) (b) Kolleru (Andhra Pradesh) (c) Nainital (Uttarakhand) (d) Renuka (Himachal Pradesh)

56	India - Physical	2018	<p>In which one of the following States is Pakhui Wildlife Sanctuary located?</p> <ul style="list-style-type: none"> (a) Arunachal Pradesh (b) Manipur (c) Meghalaya (d) Nagaland
57	India - Physical	2017	<p>Consider the following statements:</p> <ol style="list-style-type: none"> 1. In India, the Himalayas are spread over five States only. 2. Western Ghats are spread over five States only. 3. Pulicat Lake is spread over two States only. <p>Which of the statements given above is/are correct?</p> <ul style="list-style-type: none"> (a) 1 and 2 only (b) 3 only (c) 2 and 3 only (d) 1 and 3 only
58	India - Physical	2017	<p>With reference to river Teesta, consider the following statements:</p> <ol style="list-style-type: none"> 1. The source of river Teesta is the same as that of Brahmaputra but it flows through Sikkim. 2. River Rangeet originates in Sikkim and it is a tributary of river Teesta. 3. River Teesta flows into Bay of Bengal on the border of India and Bangladesh. <p>Which of the statements given above is/are correct?</p> <ul style="list-style-type: none"> (a) 1 and 3 only (b) 2 only (c) 2 and 3 only (d) 1, 2 and 3

59	India - Physical	2017	<p>At one of the places in India, if you stand on the seashore and watch the sea, you will find that the sea water recedes from the shore line a few kilometres and comes back to the shore, twice a day, and you can actually walk on the sea floor when the water recedes. This unique phenomenon is seen at</p> <ul style="list-style-type: none"> (a) Bhavnagar (b) Bheemunipatnam (c) Chandipur (d) Nagapattinam.
60	India - Physical	2017	<p>From the ecological point of view, which one of the following assumes importance in being a good link between the Eastern Ghats and the Western Ghats?</p> <ul style="list-style-type: none"> (a) Sathyamangalam Tiger Reserve (b) Nallamala Forest (c) Nagarhole National Park (d) Seshachalam Biosphere Reserve
61	India - Physical	2017	<p>If you want to see gharials in their natural habitat, which one of the following is the best place to visit?</p> <ul style="list-style-type: none"> (a) Bhitarkanika Mangroves (b) Chambal River (c) Pulicat Lake (d) Deepor Beel

62	India - Physical	2017	<p>Recently there was a proposal to translocate some of the lions from their natural habitat in Gujarat to which one of the following sites ?</p> <p>(a) Corbett National Park (b) Kuno Palpur Wildlife Sanctuary (c) Mudumalai Wildlife Sanctuary (d) Sariska National Park</p>
63	India - Physical	2016	<p>Which of the following is/are tributary/ tributaries of Brahmaputra?</p> <p>1. Dibang 2. Kameng 3. Lohit</p> <p>Select the correct answer using the code given below.</p> <p>(a) 1 only (b) 2 and 3 only (c) 1 and 3 only (d) 1, 2 and 3</p>
64	India - Physical	2016	<p>Recently, linking of which of the following rivers was undertaken?</p> <p>(a) Cauvery and Tungabhadra (b) Godavari and Krishna (c) Mahanadi and Son (d) Narmada and Tapti</p>
65	India - Physical	2016	<p>In which of the following regions of India are you most likely to come across the 'Great Indian Hornbill' in its natural habitat?</p> <p>(a) Sand deserts of northwest India (b) Higher Himalayas of Jammu and Kashmir (c) Salt marshes of western Gujarat (d) Western Ghats</p>

66	India - Physical	2016	<p>Recently, for the first time in our country, which of the following States has declared a particular butterfly as 'State Butterfly'?</p> <p>(a) Arunachal Pradesh, (b) Himachal Pradesh (c) Karnataka (d) Maharashtra</p>								
67	India - Physical	2015	<p>Consider the following rivers:</p> <p>1. Vamsadhara 2. Indravati 3. Pranahita 4. Pennar</p> <p>Which of the above are tributaries of Godavari?</p> <p>(a) 1, 2 and 3 (b) 2, 3 and 4 (c) 1, 2 and4 (d) 2 and 3 only</p>								
68	India - Physical	2015	<p>Consider the following pairs:</p> <table> <thead> <tr> <th>Place of Pilgrimage</th> <th>Location</th> </tr> </thead> <tbody> <tr> <td>1. Srisailam</td> <td>: Nallamala Hills</td> </tr> <tr> <td>2. Omkareshwar</td> <td>: Satmala Hills</td> </tr> <tr> <td>3. Pushkar</td> <td>: Mahadeo Hills</td> </tr> </tbody> </table> <p>Which of the above pairs is/are correctly matched?</p> <p>(a) 1 only (b) 2 and 3 only (c) 1 and 3 only (d) 1, 2 and 3</p>	Place of Pilgrimage	Location	1. Srisailam	: Nallamala Hills	2. Omkareshwar	: Satmala Hills	3. Pushkar	: Mahadeo Hills
Place of Pilgrimage	Location										
1. Srisailam	: Nallamala Hills										
2. Omkareshwar	: Satmala Hills										
3. Pushkar	: Mahadeo Hills										

69	India - Physical	2015	<p>In a particular region in India, the local people train the roots of living trees into robust bridges across the streams. As the time passes, these bridges become stronger. These unique 'living root bridges' are found in</p> <ul style="list-style-type: none"> (a) Meghalaya (b) Himachal Pradesh (c) Jharkhand (d) Tamil Nadu 		
70	India - Physical	2015	<p>Which of the following National Parks is unique in being a swamp with floating vegetation that supports a rich biodiversity?</p> <ul style="list-style-type: none"> (a) Bhitarkanika National Park (b) Keibul Lamjao National Park (c) Keoladeo Ghana National Park (d) Sultanpur National Park 		
71	India - Physical	2015	<p>Which one of the following National Parks has a climate that varies from tropical to subtropical, temperate and arctic?</p> <ul style="list-style-type: none"> (a) Khangchendzonga National Park (b) Nandadevi National Park (c) Neora Valley National Park (d) Namdapha National Park 		
72	India - Physical	2014	<p>Consider the following pairs:</p> <table> <tr> <td>Hills</td> <td>Region</td> </tr> </table> <ol style="list-style-type: none"> 1. Cardamom Hills : Coromandel Coast 2. Kaimur Hills : Konkan Coast 3. Mahadeo Hills : Central India 4. Mikir Hills : North-East India <p>Which of the pairs are correctly matched?</p> <ul style="list-style-type: none"> (a) 1 and 2 only (b) 2 and 3 only (c) 3 and 4 only (d) 2 and 4 only 	Hills	Region
Hills	Region				

77	India - Physical	2013	<p>Consider the following pairs:</p> <p>National Park : River flowing through the Park</p> <ol style="list-style-type: none"> 1. Corbett National Park : Ganga 2. Kaziranga National Park : Manas 3. Silent Valley National Park : Kaveri <p>Which of the above pairs is/are correctly matched?</p> <ol style="list-style-type: none"> (a) 1 and 2 (b) 3 only (c) 1 and 3 (d) None
78	India - Economic	2022	<p>Consider the following statements:</p> <ol style="list-style-type: none"> 1. Gujarat has the largest solar park in India. 2. Kerala has a fully solar powered International Airport. 3. Goa has the largest floating solar photovoltaic project in India. <p>Which of the statements given above is/are correct?</p> <ol style="list-style-type: none"> (a) 1 and 2 (b) 2 only (c) 1 and 3 (d) 3 only
79	India - Economic	2016	<p>In which of the following regions of India are shale gas resources found?</p> <ol style="list-style-type: none"> 1. Cambay Basin 2. Cauvery Basin 3. Krishna-Godavari Basin <p>Select the correct answer using the code given below.</p> <ol style="list-style-type: none"> (a) 1 and 2 only (b) 3 only (c) 2 and 3 only (d) 1, 2 and 3

80	India - Economic	2016	Recently, India's first 'National Investment and Manufacturing Zone' was proposed to be set up in (a) Andhra Pradesh (b) Gujarat (c) Maharashtra (d) Uttar Pradesh
81	India - Economic	2016	Recently, our scientists have discovered a new and distinct species of banana plant which attains a height of about 11 metres and has orange-coloured fruit pulp. In which part of India has it been discovered? (a) Andaman Islands (b) Anaimalai Forests (c) Maikala Hills (d) Tropical rain forests of northeast
82	India - Economic	2016	Recently, which of the following States has explored the possibility of constructing an artificial inland port to be connected to sea by a long navigational channel? (a) Andhra Pradesh (b) Chhattisgarh (c) Karnataka (d) Rajasthan

FOOD CROPS OF INDIA				
Crops	Temperature	Rainfall	Soil	Leading Producers
1. Rice	Not above 35°C	150-300 cm	Clayey or loamy	West Bengal, Uttar Pradesh, Andhra Pradesh, Punjab, Tamil Nadu.
2. Wheat	10°-15°C (sowing) 21°-26°C (harvest)	80 cm	Well drained loams, and clay loams	Punjab, Haryana, Uttar Pradesh, Rajasthan, Madhya Pradesh.
3. Millets				
(a) Jowar	Not below 16°C	<100 cm	Variety of soils including clayey, sandy	Maharashtra, Madhya Pradesh, Karnataka, Andhra Pradesh and Telangana.
(b) Bajra	25°-30°C	40-50 cm	Sandy loams, black and red soils	Rajasthan, Uttar Pradesh, Gujarat, Maharashtra, Haryana.
(c) Ragi	20°-30°C	50-100 cm	Red, light black and sandy loams	Karnataka, Tamil Nadu, Uttarakhand, Maharashtra and Andhra Pradesh.
4. Pulses	20°-25°C	50-75 cm	Dry, light soil	Madhya Pradesh, Maharashtra, Uttar Pradesh, Rajasthan and Andhra Pradesh.

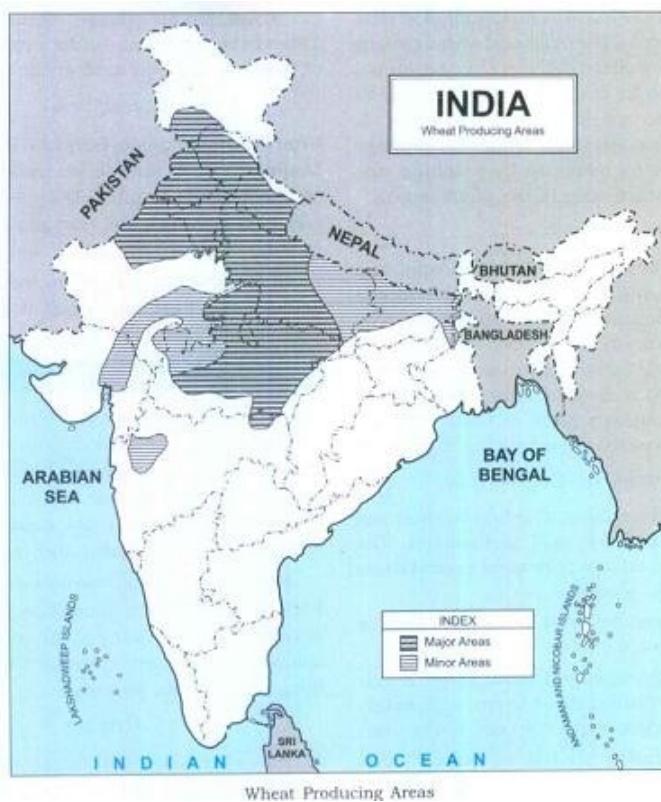
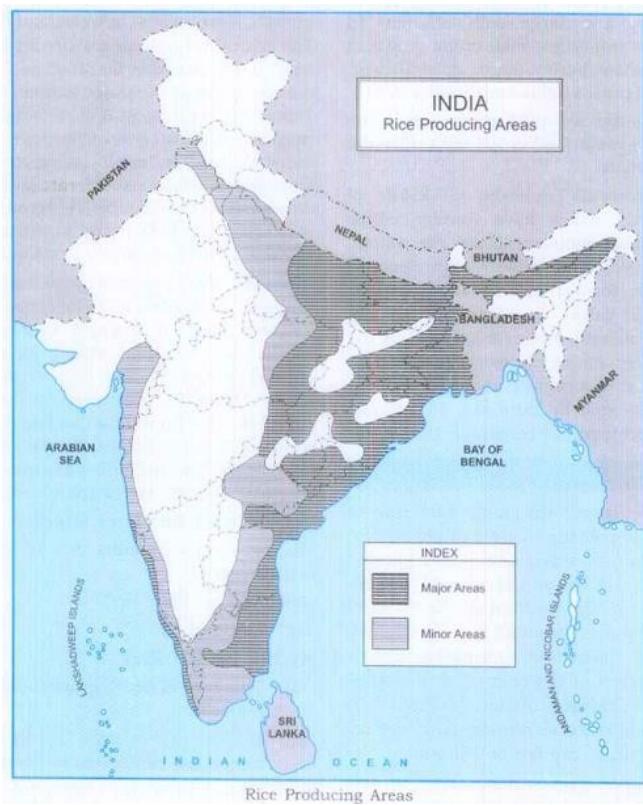
Crop	Temperature	Rainfall	Soil	Leading States
Sugarcane	20°C-26°C	100-150 cm or irrigation facilities with high humidity.	Well-drained rich alluvial, heavy loam or lava soil.	UP, Maharashtra, Tamil Nadu (highest yield hectare), Karnataka, Andhra Pradesh.
Cotton	21°C-30°C but not below 21°C. 200 frost free days	50-75 cm or irrigation facility.	Deep black soil (regur), alluvial soils and laterite soil.	Gujarat, Andhra Pradesh, Maharashtra and Punjab.
Jute	24°C-35°C	Heavy rainfall of 150 cm with 90 per cent of relative humidity.	Light sandy or clayey loams.	West Bengal (70 per cent of the production, over 60 per cent of the area), Bihar, Assam, Odisha.

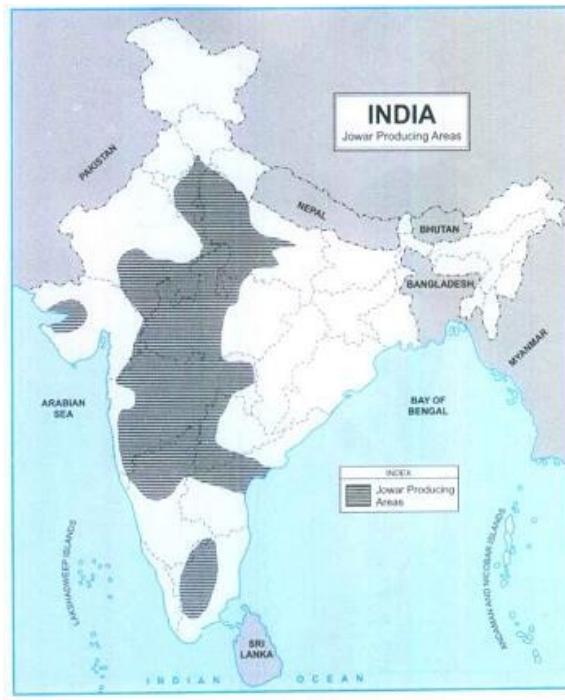
Crop	Temperature	Rainfall	Soil	Leading States
Groundnut	20°C to 25°C	50 to 100 cm	Sandy loams, loams and well-drained soils.	Gujarat, Telangana and Tamil Nadu.
Mustard and Rapeseed	10°C to 20°C	25 to 40 cm	Loams. Heavier loams (for mustard). Light loams (for rapeseed).	Uttar Pradesh, Rajasthan, Punjab, Madhya Pradesh and Haryana.
Soyabean	13°C to 24°C	40 to 60 cm	Friable loamy, acidic soils.	Madhya Pradesh, Rajasthan and Maharashtra.
Sunflower	26°C to 30°C	Less than 50 cm	Well-drained loamy soils.	Bihar, Maharashtra, Andhra Pradesh and Karnataka.
Sesamum	21°C	40 to 60 cm	Well-drained light loamy soil and black cotton soil.	Uttar Pradesh, Rajasthan, Maharashtra, Madhya Pradesh, Odisha, Gujarat, Karnataka, Andhra Pradesh, Telangana and Tamil Nadu.
Cotton Seeds	21°C to 30°C	50 to 75 cm	Black soils.	Gujarat, Andhra Pradesh, Telangana, Maharashtra and Punjab.
Linseed	15°C to 20°C	45 to 75 cm	Alluvial soils, clayey loamy soils and deep black soils.	Madhya Pradesh and Uttar Pradesh.
Castor Seeds	20°C to 25°C	50 to 75 cm	Red sandy loams in Peninsular India and light alluvial soils in the Plains.	Gujarat, Andhra Pradesh, Telangana and Rajasthan.

Important Cash Crops of India

Crops	Temperature	Rainfall	Soil	Distribution
Tea	24°C-30°C	at least 150cm	forest soil; rich in humus and iron.	1. Assam: the Brahmaputra valley, Surma valley 2. West Bengal: the Duars, Darjeeling 3. Tamil Nadu: highest yield per hectare 4. Kerala
Coffee	15°C-28°C but does not tolerate frost or heat	150-200 cm	well drained, friable loamy soil, rich in vegetable mould.	1. Karnataka 70.4 % of total production; 2. Kerala 21.7 % of total production; and 3. Tamil Nadu 5.8 % of total production.
Rubber	25°C-35°C	152-200 cm	rich well drained alluvial or laterite soils.	1. Kerala: Kottayam, Ernakulum, Kozhikode and Kollam. 2. Tamil Nadu 3. Karnataka

Soil	Formation	Areas	Characteristics	Crops
Alluvial Soil	Deposition of sediments by rivers.	Inland alluvium in Punjab, Haryana, U.P., Bihar, West Bengal, parts of Gujarat and Rajasthan. Deltaic alluvium in the deltas of Ganga-Brahmaputra, Mahanadi, Godavari, Krishna and Kaveri. Coastal alluvium along the coastal strips of the Peninsula.	Loamy. Coarse and dry in upper reaches of the river and gets finer and moist as the river flows down. Rich in minerals especially Potash and Lime. Poor in Nitrogen and Humus.	Large variety of Rabi and Kharif crops; rice, wheat, sugarcane, cotton, gram and oilseeds; jute in Ganga-Brahmaputra delta.
Black Soil	Residual soils formed by weathering of lava rocks.	Deccan lava tract. Maharashtra, Madhya Pradesh, Gujarat, Andhra Pradesh, Karnataka, Rajasthan, Uttar Pradesh and parts of Tamil Nadu.	Clayey. Black in colour. Rich in lime, Magnesium. Poor in Phosphorous, Nitrogen and Organic matter. Very fertile.	Cotton, cereals, oilseeds, citrus fruits and vegetables, tobacco, and sugarcane.
Red Soil	Prolonged weathering of crystalline rocks. Differs on the basis of parent rock material and climatic conditions.	Plateau region of Peninsular India extending northwards along Konkan coast. Tamil Nadu, Karnataka, Andhra Pradesh, South-East Maharashtra, Chhattisgarh, parts of Odisha, Jharkhand, Bundelkhand, Meghalaya, Mizoram, Manipur, Telangana and Nagaland.	Loamy or Sandy. Red in colour due to large amounts of iron-oxides Deep and fertile in lowland; thin and poor in highlands. Poor in Nitrogen, Phosphorus, Potassium and Organic matter.	Vegetables, rice, ragi, tobacco, groundnut and potatoes.
Laterite Soil	Due to leaching in areas of heavy rain.	Highland areas of Peninsular plateau. Patches in Madhya Pradesh, Odisha, Maharashtra, West Bengal, Andhra Pradesh, Telangana, Karnataka, Kerala, and Tamil Nadu.	Coarse and porous. Red due to Iron Oxide. Poor in Lime, Nitrogen and Magnesium. High acidity and low moisture retention.	Tapioca, cashewnuts. With manure ragi, rice, sugarcane, tea, rubber and coffee.





Jowar Producing Areas



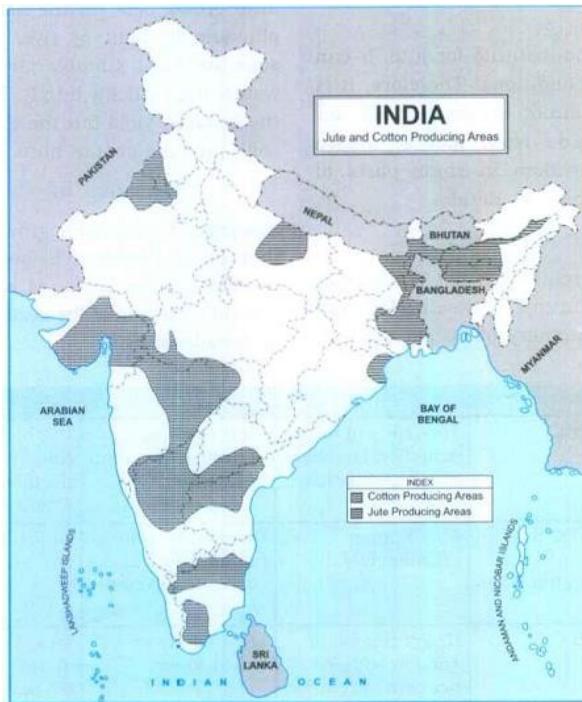
Bajra Producing Areas



Ragi Producing Areas



Sugarcane Producing Areas



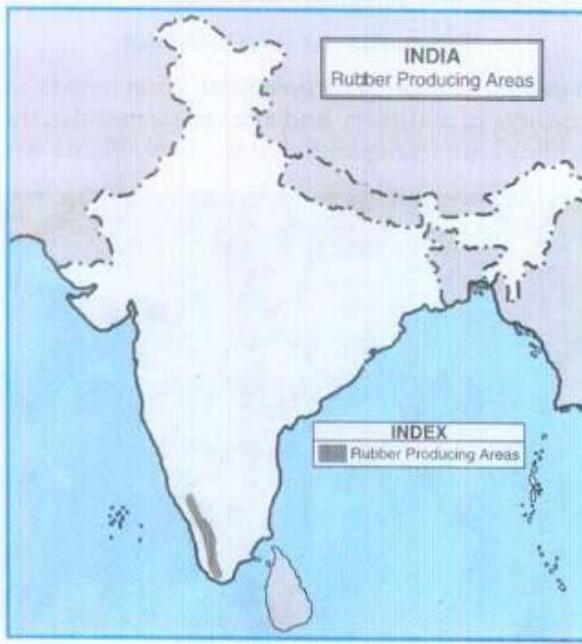
Cotton and Jute Producing Areas



Tea Producing Areas



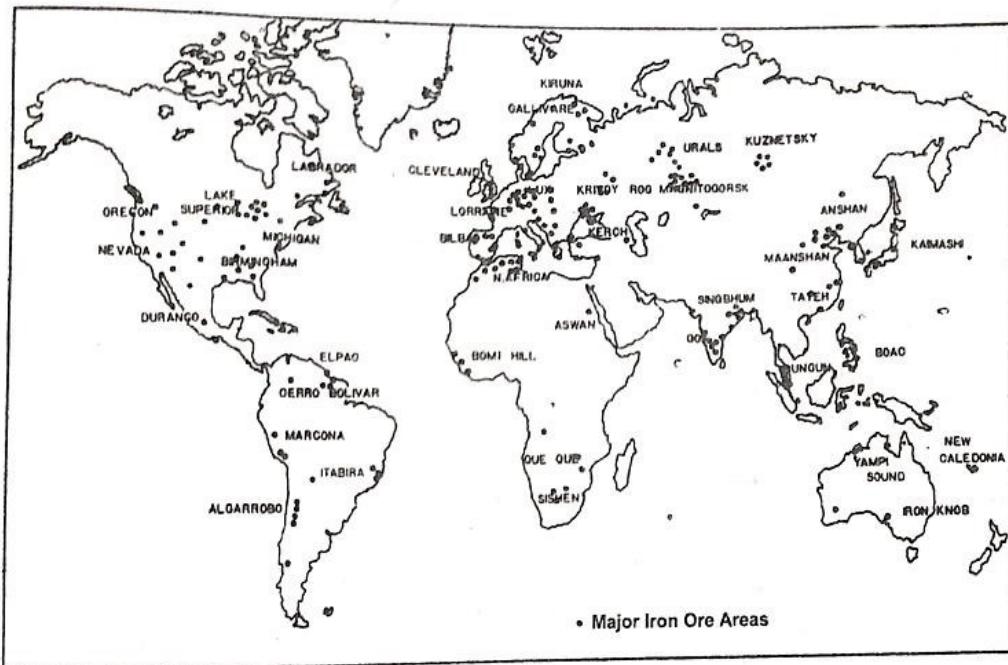
Coffee Producing areas



Rubber Producing Areas

World locations of minerals and energy resources

1. Iron Ore



- **North America:** Lake Superior region, NE USA, Labrador, Newfoundland
- **South America:** Itabira (Brazil), Cerro Bolivar (Venezuela)
- **Europe:** Kiruna & Gallivare (Sweden), Bilbao (Spain)
- **Africa:** Bomi hills (Liberia), Postmasberg & Transval (South Africa)
- **Asia:** Krivoy Rog, Kerch (Ukraine) , Kuzbas, Magnetogorsk (Siberia), machuria (China)
- **Australia:** Iron knob, Mt.Goldsworthy

2. Manganese



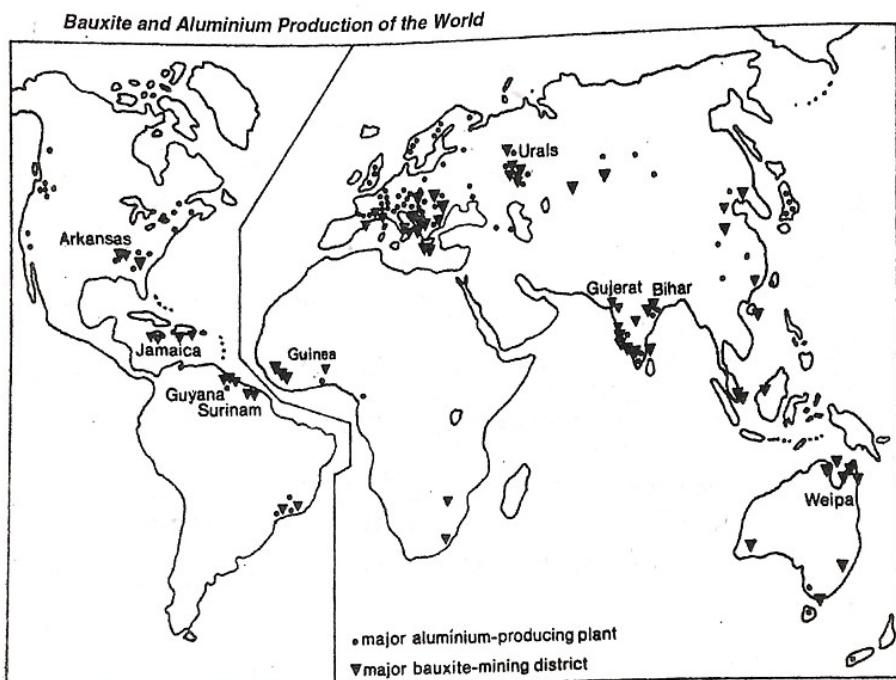
- **South America:** Macapa, Minas Gerais (Brazil), Western Mato Grosso
- **Africa:** Zaire, Postmasberg (South Africa)
- **Asia:** Nikopol and Tokmak (Ukraine), Chiatura (Georgia), Urals

3. Copper



- **North America:** Sudbury, Lynn Lake (Canada)
- **South America:** Casapalco (Peru), Chuquicamata & San Jose (Chile)
- **Africa:** Katanga
- **Asia:** Lake Balkash (Russia), Ulanbatore (Mongolia)

4. Bauxite (Aluminium)



- **North America:** Alabama, Arkansas (USA)
- **South America:** Jamaica, Guyana, Surinam
- **Europe:** France, Hungary
- **Africa:** Guinea
- **Asia:** Urals, Krasnaya (Russia)
- **Australia:** Weipa, Cape York, Darling range

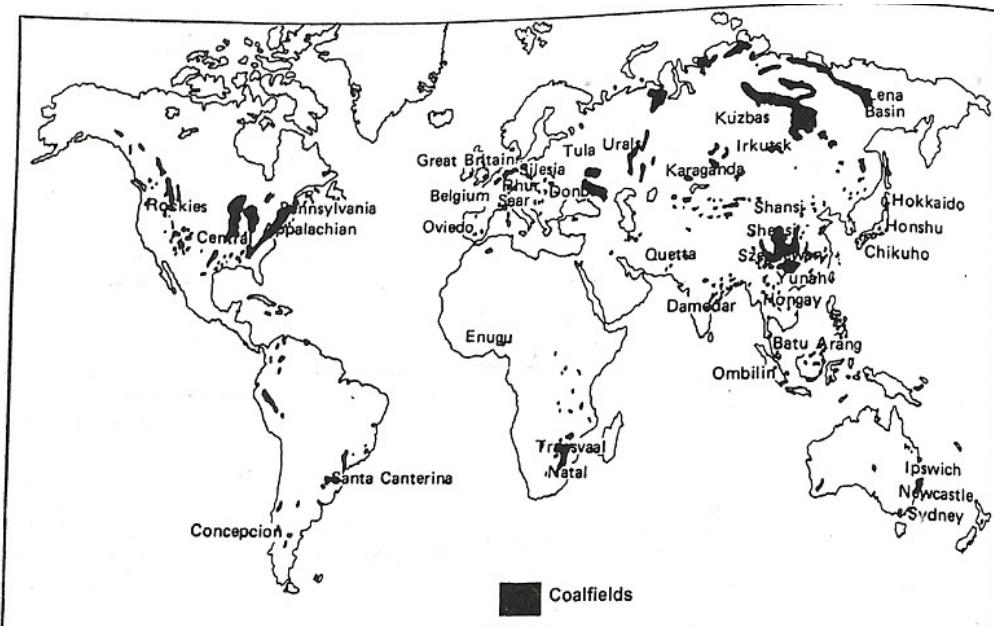
5. Gold and silver

- **North America:** Yellow knife (Canada), California, Alaska (US)
- **Africa:** Witwatersrand (South Africa)
- **Asia:** Kolyma river, Lake Baikal
- **Australia:** Kalgoorlie and Coolgardie

6. Tin

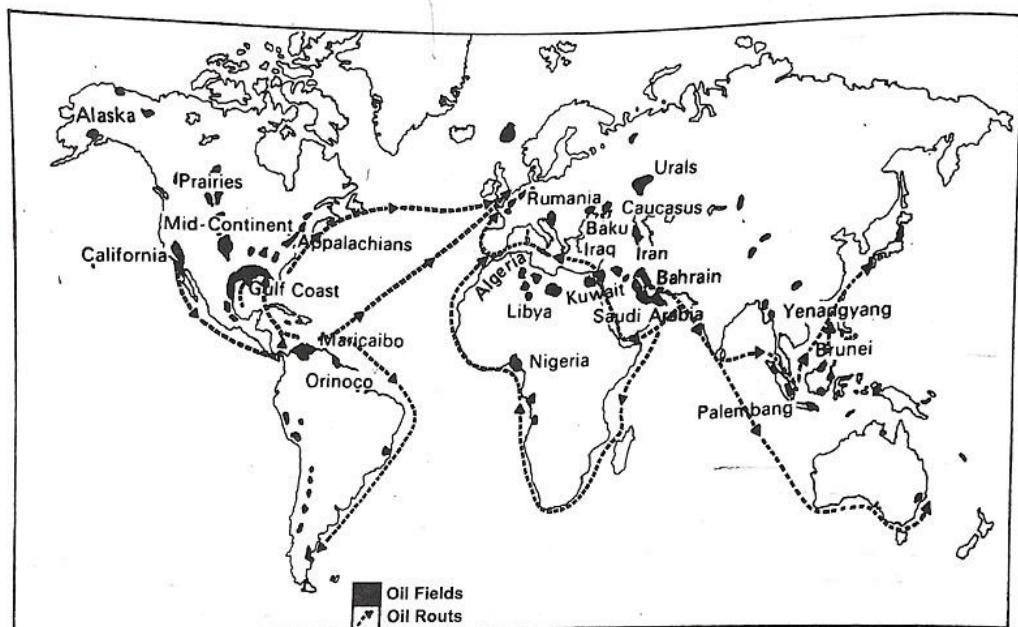
- **Africa:** Jos plateau (Nigeria)
- **Asia:** Kinta valley, Kelang valley (Malaysia), Kra peninsula, Phuket island (Thailand), Sumatra (Indonesia)

7. Coal



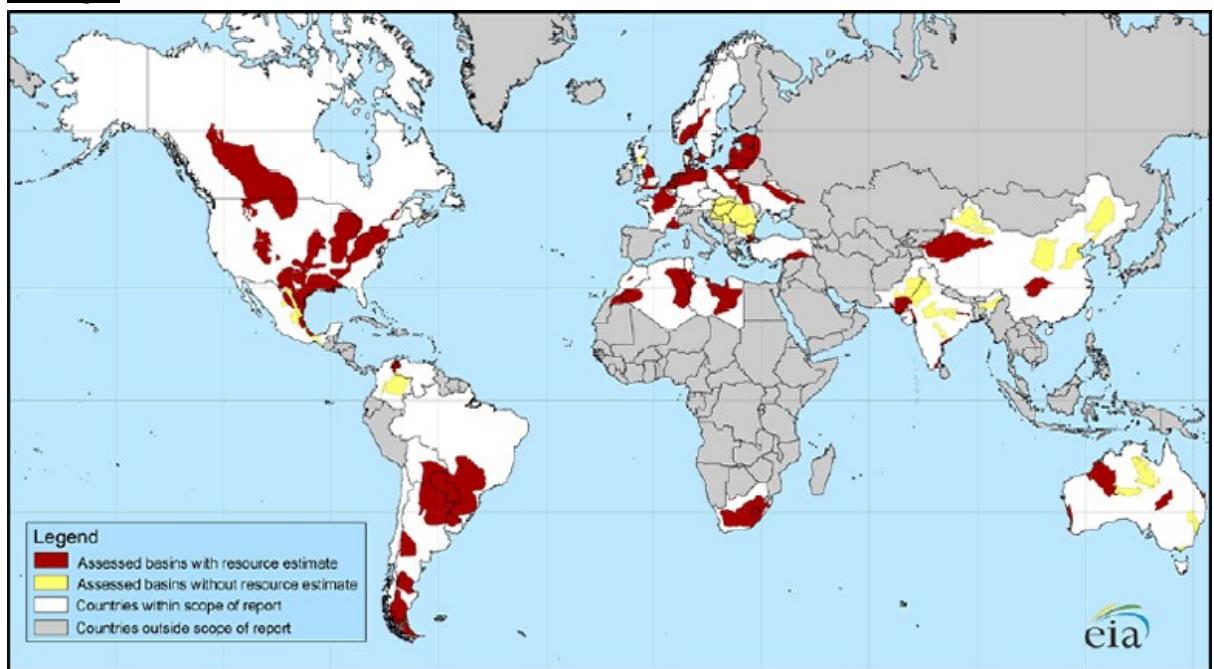
- **North America:** Pennsylvania, Appalachian, Rockies, Mexican gulf (USA), Vancouver, Nova scotia (Canada)
- **South America:** Santa Caterina (Brazil), Concepcion (Chile)
- **Europe:** Great Britain, Ruhr & Saar (Germany), Spain
- **Africa:** Zambia, Zimbabwe, Enugu (Nigeria), Transval & Natal (South Africa)
- **Asia:** Donetsk, Donbas, Moscow – tula, Kuzbas, Urals, Lena (Russia), Shanzi, Shantung, Yunnan (China)
- **Australia:** Ipswich, New castle

8. Petroleum



- **North America:** Gulf coast, Appalachian, California, Alaska (USA), Prairies, Edmonton, Calgary (Canada)
- **South America:** Maracaibo, Orinoco basin (Venezuela), Magdalena (Columbia), Punta Arenas (Chile), Falkland
- **Europe:** North Sea, Norway
- **Africa:** Algeria, Libya, Nigeria – Niger delta
- **Asia:** Dhaharan, Quatif (Saudi Arabia), Mosul, Kirkuk, Zubair (Iraq), Masjid Sulaiman (Iran), Kuwait, Bahrain, Qatar, Abudabhi (UAE); Baku (Azerbaijan), Urals, Caucasus, Caspian sea, NW Siberia, Sakhalin (Russia); Sumatra, Borneo (Indonesia); Brunei; Sarawak, Sabah (Malaysia), China

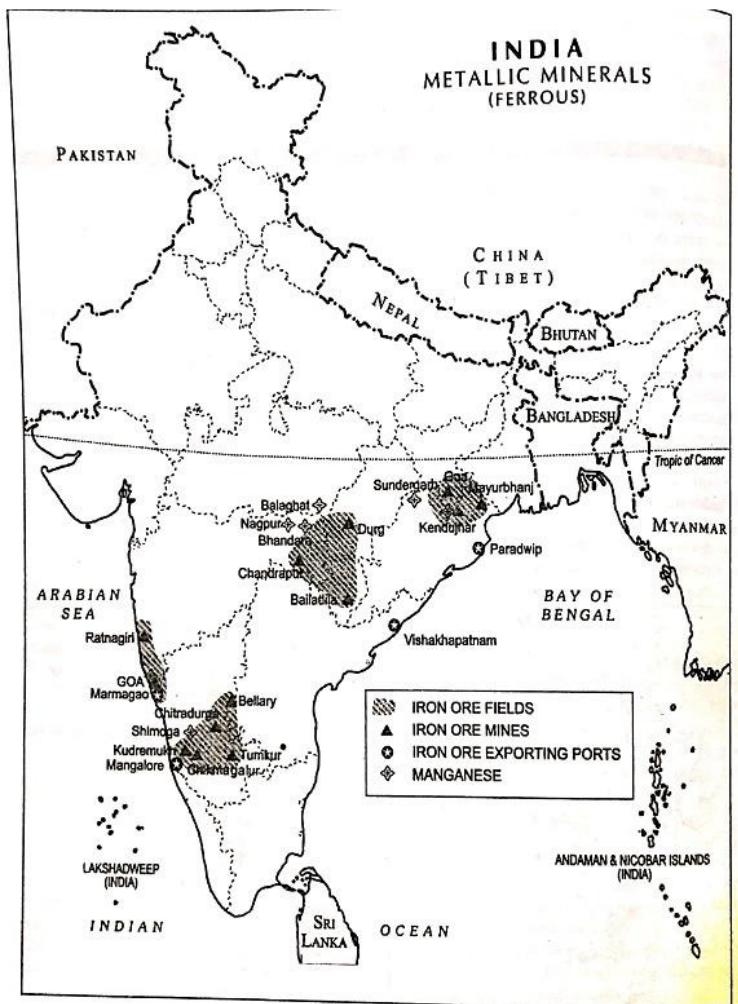
9. Shale gas



- China, Argentina, Algeria, USA, Canada, Mexico, Australia, South Africa, Russia, Brazil

India – Mineral and Energy resources

1. Iron

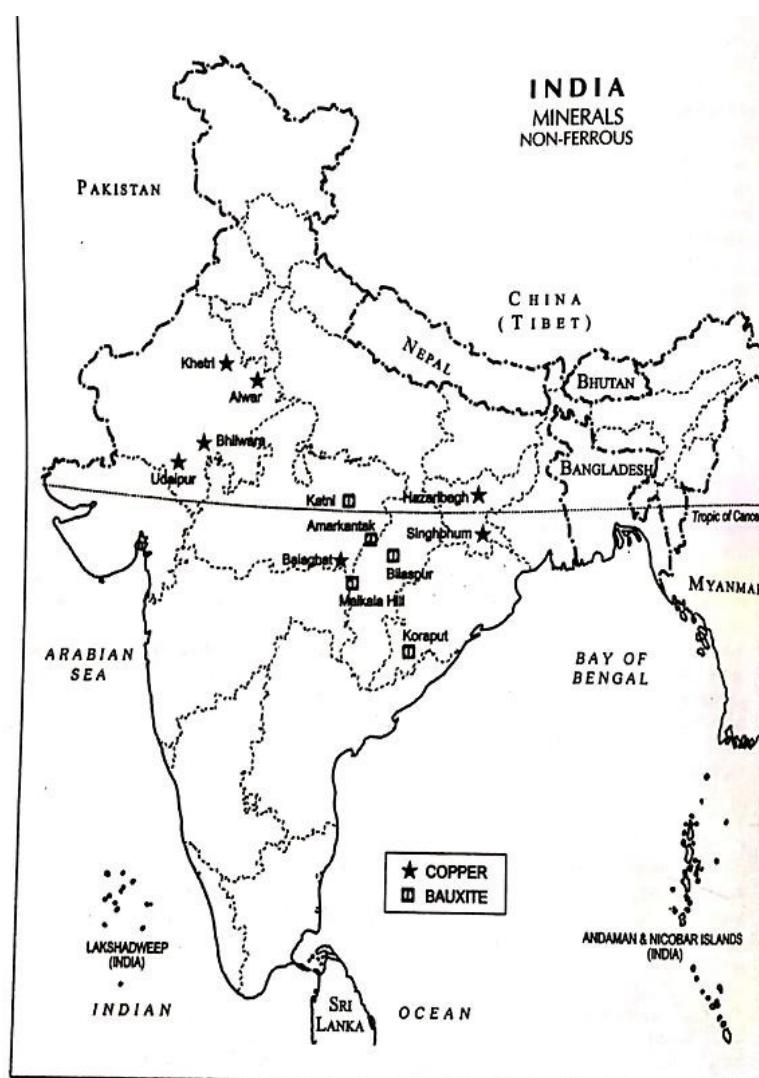


- ✓ Odisha: Gurumahisani, Sulepat and Badam Pahar in Mayurbhanj district; Baramjader group extended in Keonjhar and Sundargarh districts.
- ✓ Singhbhum district of Jharkhand
- ✓ Bailadilla of Bastar district in Chhattisgarh;
- ✓ Sandoor Hills at Bellary - Hospet region and Bababudan Hills at Chikmaglur district in Karnataka;

2. Manganese

- ✓ Keonjhar and Karaput region in Orissa
- ✓ Balaghat and Chindwara in Madhya Pradesh
- ✓ Nagpur and Bhandara in Maharashtra
- ✓ Panchmahal in Gujarat
- ✓ Vishakhapatnam and Srikakulam in Andhra Pradesh
- ✓ Singhbhum in Jharkhand
- ✓ Udaipur and Banswara in Rajasthan

3. Copper



- ✓ Singhbhum in Jharkhand;
- ✓ Jhunjhunu, Bhilwara, Alwar and Udaipur in Rajasthan; Khetri Mine in Rajasthan has been a major copper extracting region since the age of Indus valley civilization.
- ✓ Balaghat in Madhya Pradesh;
- ✓ Guntur and Nellore districts in Andhra Pradesh.

4. Bauxite

- ✓ Ranchi and Palamau in Jharkhand
- ✓ Sarguja, Shah dole, Durg and Balaghat in Madhya Pradesh;
- ✓ Kolaba, Thane and Ratnagiri in Maharashtra;
- ✓ Belgaon and Bababudan Hills in Karnataka;
- ✓ Palni, Javdi and Shevaroy hills regions in Tamil Nadu

5. Mica

- ✓ Muscovite and Biotite types of mica are extracted from Hazaribagh, Singhbhum and Palamu districts.
- ✓ Other major mica producing regions are Gaya and Munger in Bihar
- ✓ Nellore and Khammam in Andhra Pradesh
- ✓ Udaipur and Bhilwara districts in Rajasthan.

6. Coal



Coal Distribution in India

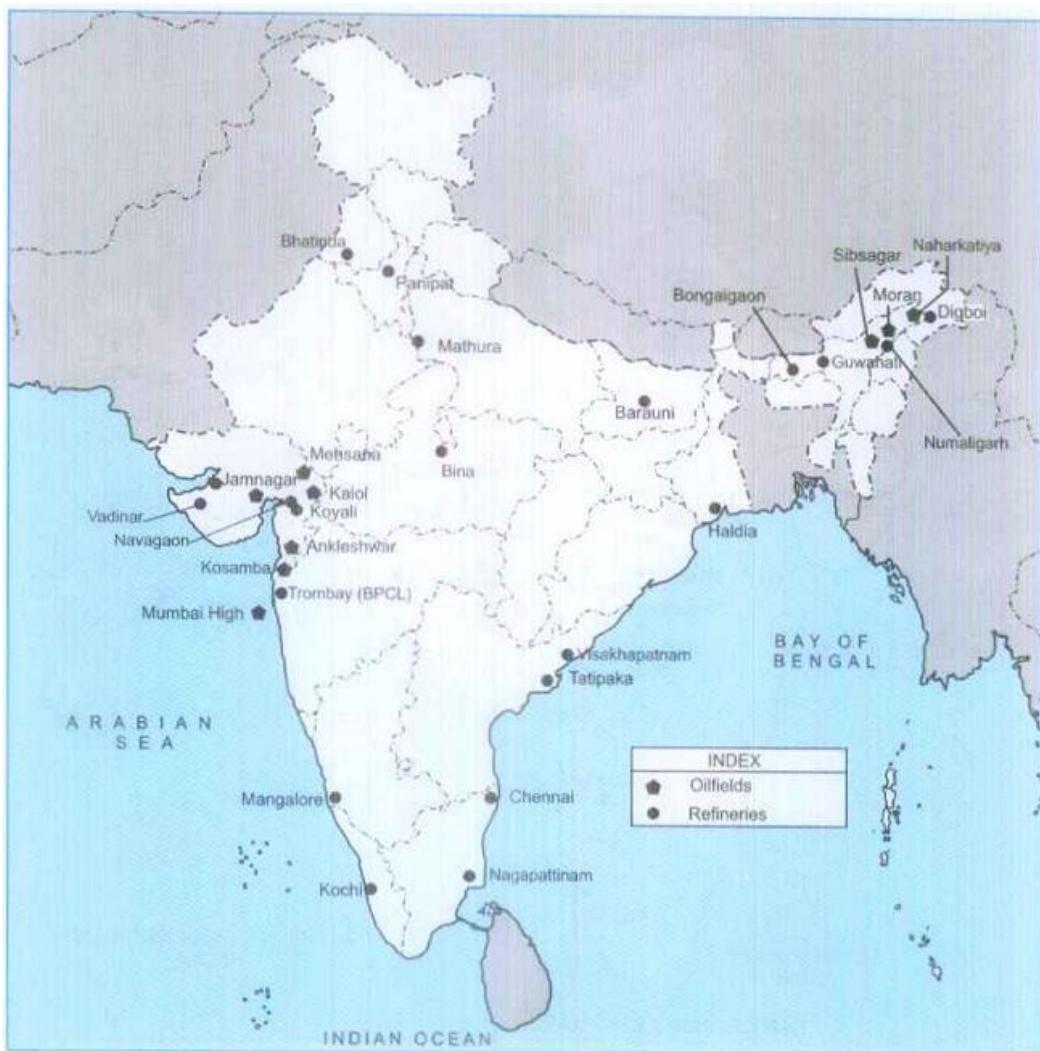
- ✓ The main regions of Gondwana rocks are found in West Bengal, Jharkhand and Orissa from where 76% of the total coal production is found.
- ✓ The first effort made to extract coal with modern technology in India was at Raniganj coal region in West Bengal. Raniganj area of West Bengal, located in upper valley of Damodar river, is the most important and the largest coal area of India.
- ✓ A good quality of Bituminous coal is found in Jharia, Bokaro, Giridih, Karanpura, Ramgarh, etc. of Jharkhand.
- ✓ Tatapani-Ramkola of Chhattisgarh
- ✓ Talchar- coal area of Orissa (Brahmani river valley)

- ✓ Singreni coal areas (Krishna Godavari river valley) of Andhra Pradesh are other major important area of coal.
- ✓ Tertiary coal is found in Neyveli (Tamil Nadu, famous for Lignite) and Palana (Rajasthan).

Table 11.1. Gondwana Coalfields

State	River Valley	Coalfields
1. Jharkhand	Damodar	Jharia, Karpura, Ramgarh, East and West Bokaro, Giridih, Auranga, Hutar and Daftonganj.
2. Odisha	Mahanadi	Sambalpur, Sundargarh and Talcher.
3. Madhya Pradesh	Mahanadi/Son	Singrauli, Narsingpur, Chhindwara, Betul.
4. Chhattisgarh	Mahanadi/Son	Sarguja, Sendurgarh, Rampur, Korba and Raigarh.
5. Maharashtra	Godavari	Kamptee, Wardha valley, Chandrapur and Yavatmal.
6. Andhra Pradesh	Godavari	East and West Godavari.
7. Telangana	Godavari	Adilabad, Khammam and Warangal.
8. West Bengal	Damodar	Raniganj, Bardhaman, Bankura, Purulia, Darjeeling and Jalpaiguri.

7. Petroleum and Natural Gas



- ✓ Assam region: Digboi, Naharkatiya, Hagriyan-Moran and Surma river valley. Natural gas is also found in Bagrijan-Moran area.
- ✓ Gujarat region: Khambat and Ankleshwar while oil regions are extended upto Navgaon, Kosamba, Olpad, Dholka, Mehsana, Kalal etc.
- ✓ Mumbai High region, 176 km away from the Mumbai coast
- ✓ Region off-shore in Krishna - Godavari river valley.

8. Shale gas

Prospective basins for phase 1 shale oil and gas exploration



India – Industrial regions



Cotton Textiles



Jute and Silk Textiles



FIG. 27.17. India : Distribution of Sugar Industry



Metal Based Industries

Major Industries in India

Industry	States and Main Centres of Production
1. Iron and Steel	<ol style="list-style-type: none"> 1. Tata Iron and Steel Company (TISCO) — Jamshedpur, Jharkhand. 2. Bokaro Steel Plant — Hazaribagh, Jharkhand. 3. Durgapur Steel Plant — Burdwan, West Bengal. 4. Bhilai Iron and Steel Plant — Durg, Chhattisgarh. 5. Rourkela Steel Plant — Sundargarh, Odisha. 6. Indian Iron and Steel Company (IISCO) — IISCO Plants are located at Burnpur, Hirapur and Kulti, near Asansol, West Bengal. 7. Vishvesvaraya Iron and Steel Limited — Shinoga, Karnataka. 8. Vijayanagar Steel Plant — Bellary, Karnataka. 9. Vishakhapatnam Steel Plant — Vishakhapatnam, Andhra Pradesh. 10. Salem Steel Plant — Salem, Tamil Nadu.
2. Heavy Engineering Industry	
(A) Shipbuilding	<ol style="list-style-type: none"> 1. Hindustan Shipyard Limited (HSL) — Vishakhapatnam, Andhra Pradesh. 2. The Cochin Shipyard — Cochin, Kerala. 3. The Garden Reach Workshop — Kolkata, West Bengal. 4. The Mazagaon Dock Limited (MDL) — Mumbai, Maharashtra.
(B) Automobile	<ol style="list-style-type: none"> 1. Bus and Trucks — Pune, Mumbai, Chennai, Kolkata, Jamshedpur, Lucknow, Uttaranchal. 2. Jeeps — Jabalpur (MP), Mumbai. 3. Cars — Gurgaon (Haryana), Kolkata, Chennai, Mumbai, Bengaluru, Sanand (Gujarat). 4. Two and Three Wheelers — Mumbai, Pune.
(C) Railway Locomotives	<ol style="list-style-type: none"> (i) The Chittaranjan Locomotive Works — West Bengal; (ii) The Diesel Locomotive Works — Varanasi (UP); (iii) The Integral Coach Factory — Perambur, Chennai; (iv) The Rail Coach Factory — Kapurthala, Punjab.
(D) Aircraft	<ol style="list-style-type: none"> (i) The Hindustan Aeronautics Ltd. (HAL) — Nasik, Koraput, Hyderabad, Kanpur, Lucknow, Bengaluru.
(E) Heavy Electrical	<ol style="list-style-type: none"> (i) The Heavy Electrical Ltd. — Bhopal, Madhya Pradesh; (ii) The Bharat Heavy Electrical Ltd. — Haridwar (UP), Ramchandrapuram (Telangana), Tiruchirapalli (Andhra Pradesh); (iii) The Hindustan Cables Factory — Jhansi (UP) and Rupnarainpur, West Bengal.
(F) Heavy Machines and Tools	<ol style="list-style-type: none"> (i) The Hindustan Machine Tools (HMT) — Bengaluru, Karnataka; (ii) The Heavy Machine Tools Plant — Ranchi, Jharkhand; (iii) The Machine Tool Corporation of India — Ajmer, Rajasthan; (iv) The Praga Tools Ltd., — Secunderabad, Andhra Pradesh; (v) The National Instruments Factory — Kolkata, West Bengal.
3. Electronics	<ol style="list-style-type: none"> (i) The Indian Telephone Industries (ITI) — Bengaluru, Karnataka; (ii) The Electronics Corporation of India Ltd. (ECIL) — Hyderabad, Andhra Pradesh; (iii) The Bharat Electronics Ltd. (BEL) — Bengaluru, Karnataka.

4. Space Technology	1. The Indian Space Research Organisation (ISRO) , — Bengaluru, Karnataka. 2. Satellite Launching Station — Sriharikota, Andhra Pradesh. 3. National Remote Sensing Agency — Hyderabad, Andhra Pradesh. 4. Chandrayaan-I — India's First Scientific Mission to Moon.
5. Software Industry	Bengaluru and Hyderabad.
6. Entertainment	Mumbai, Kolkata, Chennai and Pune
7. Petrochemical Industry	1. Herdillia Chemicals Ltd. — Chennai, Tamil Nadu. 2. National Organic Chemicals Industries Ltd. — Mumbai, Maharashtra. 3. Petrofils Cooperative Limited (PCL) — Three plants located at Vadodara and Naldhara in Gujarat. 4. Indian Petrochemical Corporation Ltd. — Vadodara, Gujarat. 5. The Bongaigaon Petrochemicals Ltd. — Bongaigaon, Assam. 6. The Reliance Industries : Hazira, Gujarat. 7. Haldia Petrochemicals Ltd. : Haldia, West Bengal. 8. The Indian Oil Corporation : Three plants in Gujarat and Panipat.



World locations – industries

➤ North America:

USA

- ✓ Pittsburgh – Iron and Steel capital of the world
- ✓ Los Angeles – Hollywood
- ✓ Chicago – Meat processing
- ✓ Detroit – Automobile
- ✓ San-Francisco – IT
- ✓ Seattle – Lumbering and aluminium industry

Canada

- ✓ Montreal – Ships and aircraft
- ✓ Quebec – Ships
- ✓ Ottawa – Paper
- ✓ Toronto – Engineering and Automobile

➤ South America:

Brazil

- ✓ Sao Paulo – Textile and coffee
- ✓ Rio de Janeiro – Coffee and textile

Argentina

- ✓ Buenos Aires – Ship building
- ✓ La Plata – Chemical and Iron and steel

Chile

- ✓ Valparaiso – Oil and petroleum

Venezuela

- ✓ Maracaibo – Oil refineries

➤ Europe:

Britain

- | | |
|--------------|---------------------------|
| ✓ Manchester | - Cotton Textile |
| ✓ Liverpool | - Ship Building |
| ✓ London | - Engineering & Transport |

France

- | | |
|--------------------------|------------------------|
| ✓ Paris | - Aircraft & Transport |
| ✓ Champagne and Bordeaux | - Wine & Liquor |
| ✓ Loraine-Saar region | - Iron & Steel |

Germany

- | | |
|-------------|---------------------------|
| ✓ Dortmund | - Iron & Steel |
| ✓ Frankfurt | - Engineering & Transport |

Netherlands

- | | |
|-------------|-------------------------------------|
| ✓ Rotterdam | - Marine Engineering, Ship building |
| ✓ Amsterdam | - Diamond polishing |

Italy

- | | |
|-------------------------------|----------------|
| ✓ Milan (Manchester of Italy) | - Silk Textile |
| ✓ Turin (Detroit of Italy) | - Automobiles |

➤ **Asia:**

Russia

- ✓ Moscow and Gorki - Iron Steel, Chemicals
- ✓ Magnitogorsk - Iron Steel, Oil refining
- ✓ Leningrad (St Petersburg) - Textile, Chemicals, Paper
- ✓ Moscow-Ivanovo - Cotton Textile

Ukraine

- ✓ Kirov Rog-Rostogo - Iron & Steel, Heavy Industries

Japan

- ✓ Nagoya (Detroit of Japan) - Aircraft, Automobile
- ✓ Osaka (Manchester of Japan) - Ships, Iron & Steel
- ✓ Kobe and Kyoto - Ships, Iron & Steel
- ✓ Nagasaki - Iron & Steel, Ship building, Machinery
- ✓ Tokyo - Engineering & Textiles

China

- ✓ Shanghai - Textiles & Machinery
- ✓ Wuhan - Textiles, Ships, Iron & Steel
- ✓ Beijing - Textiles, Machinery
- ✓ Anshan-Mukden (Pittsburgh of China) - Iron & Steel