Maritime Boundary Agreement



Article 1

(1) The boundary between the Indonesian an the Vietnamese continental shelves is defined by the straight lines connecting the following points specified by coordinates and in the sequence given below:

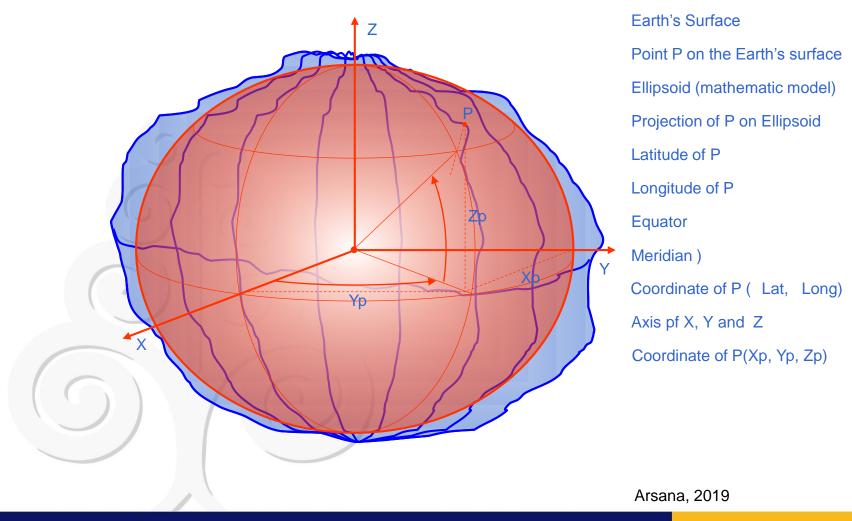
<u>Point</u>	<u>Latitude</u>	<u>Longitude</u>
20	06°05'48" N	105°49'12" N
H	06°15'00" N	106°12'00" N
H1	06°15'00" N	106°19'01" N
A4	06°20'59.88" N	106°39'37.67" N
X1	06°50'15" N	109°17'13" N

The boundary line shall thence run straight to the point at the coordinate of latitude 06° 18' 12" N, Longitude 109° 38' 36" E (Point 25)

(2) The straight lines and coordinates of the points specified in paragraph (1) of this Article are Geodetic lines and geographical coordinates computed on the World Geodetic System 1984 Datum (WGS84) and shown on the British Admiralty Chart

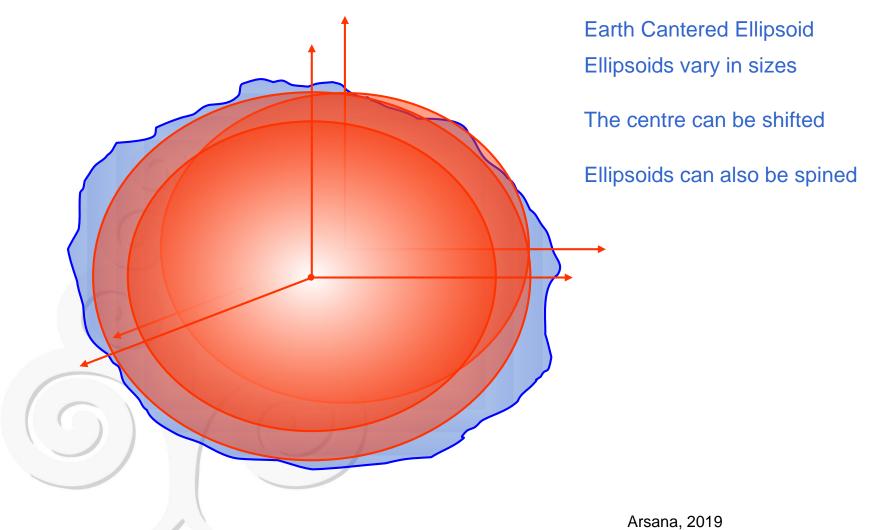
Journey of a point from Earth's Surface to that of Ellipsoid





Geodetic Datum





Alsalia, 2013

Journey of a point from Ellipsoid's Surface to a Map



From curved to flat surface

Reference Ellipsoid

Point P on Ellipsoid's Surface with coordinates of (lat, long)

A cylinder covering the ellipsoid

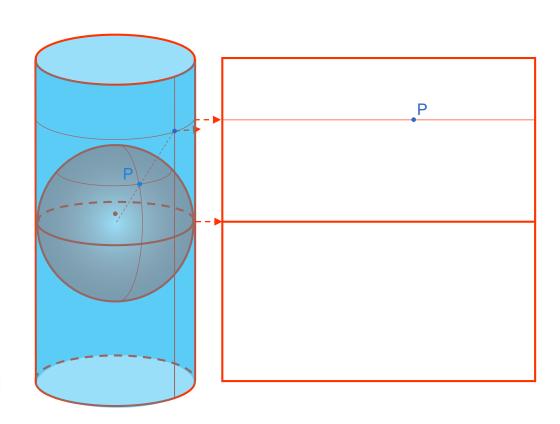
Projection of point P onto the cylinder's surface

The cylinder is unfolded to be the map's surface

Parallel line of P and equator on the map

Meridian line of P on the map

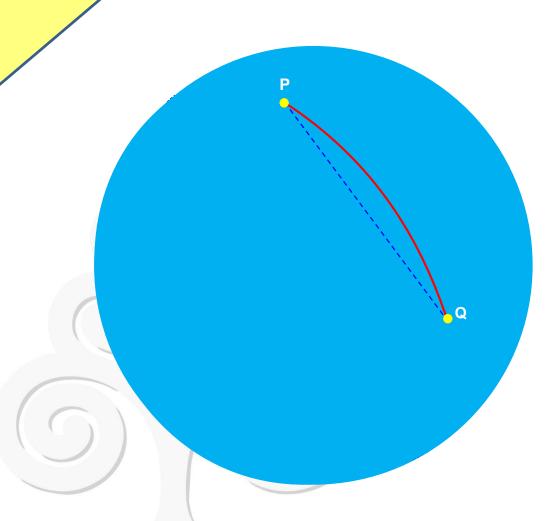
Point P on the map!



Arsana, 2019

Straight Line on an Ellipsoid





A Great Circle

Geodesic Line:
A line along a

Great Circle

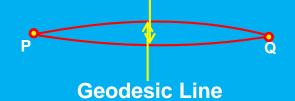
----- *Chord*

Distance of PQ according to UNCLOS is the distance along geodesic line

Straight Line on an Ellipsoid



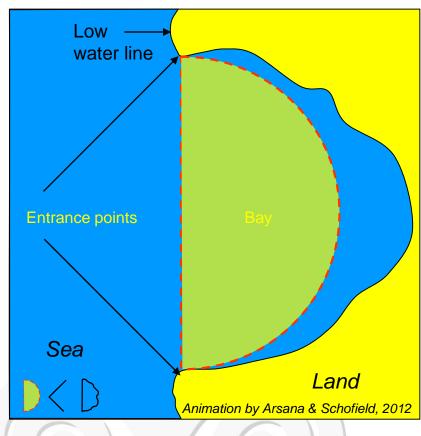
Not a Geodesic Line



The Juridical Bay

Low -





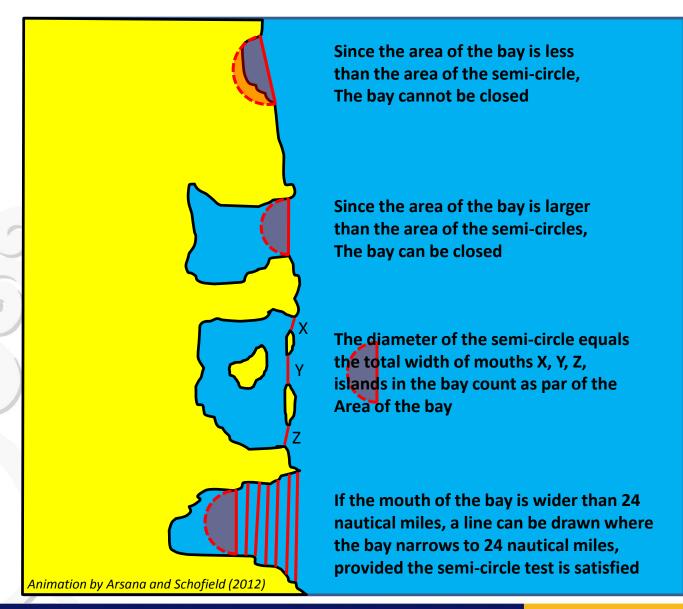
water line **Entrance points** Sea Land

A Juridical Bay

Not a Juridical Bay

Different Bays





Coastline Length and Scale

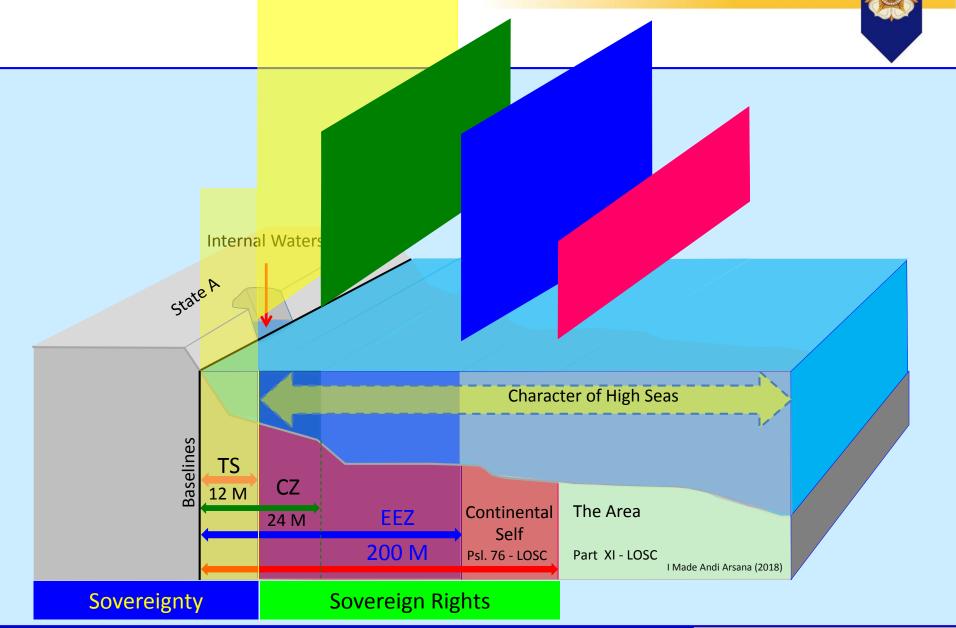


Coastline → Large scale

—— Coastline → smaller scale

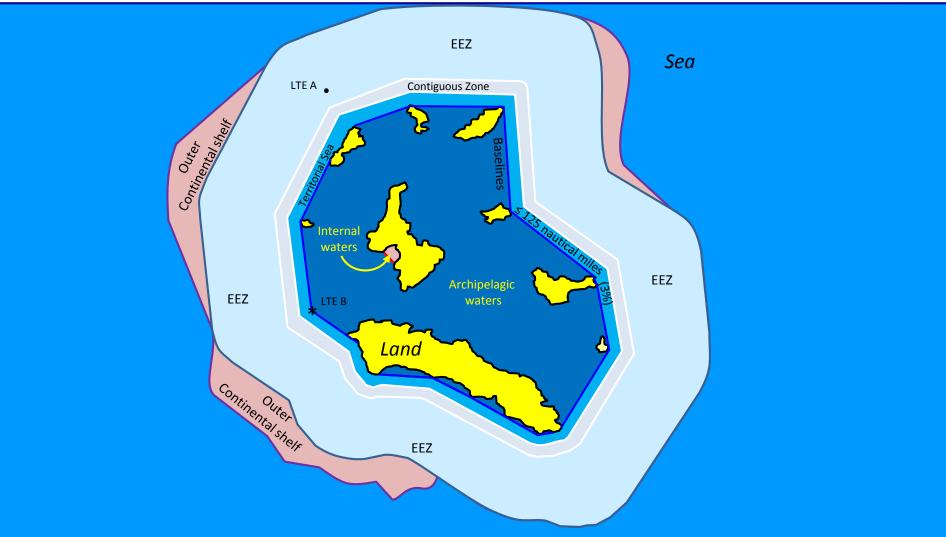
Change of coastlines due to the change of scale → Generalization/simplification

Maritime Zones based on UNCLOS



An Archipelagic State's maritime zones pursuant to UNCLOS

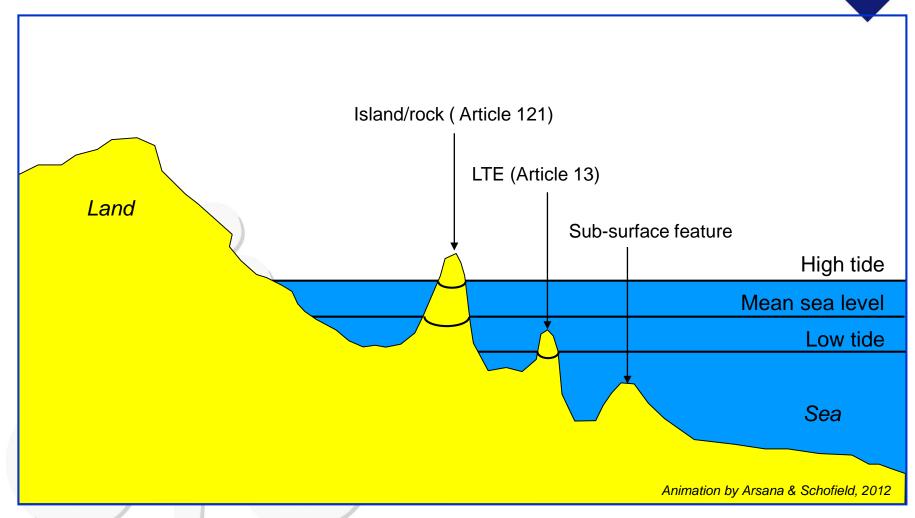




Animation by Arsana & Schofield, 2012

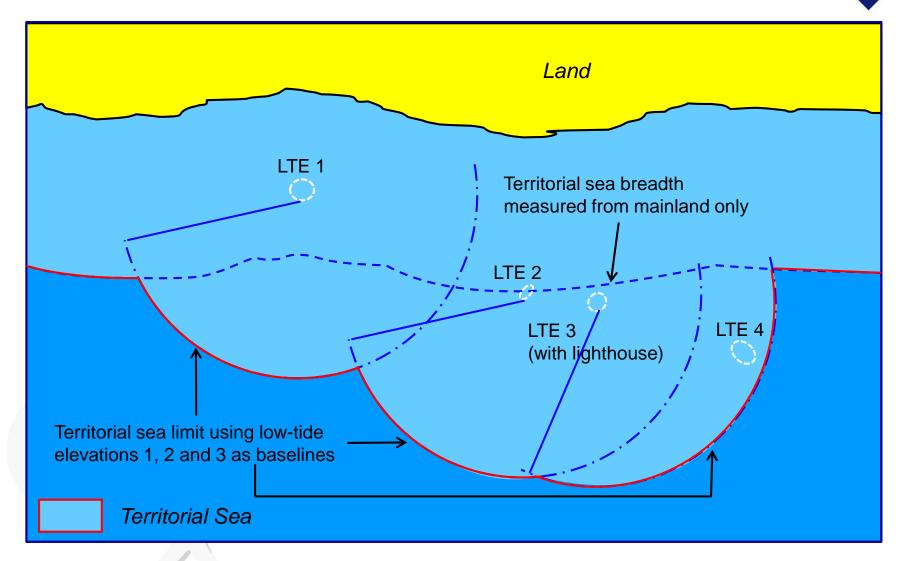
Definition of islands and low-tide elevations





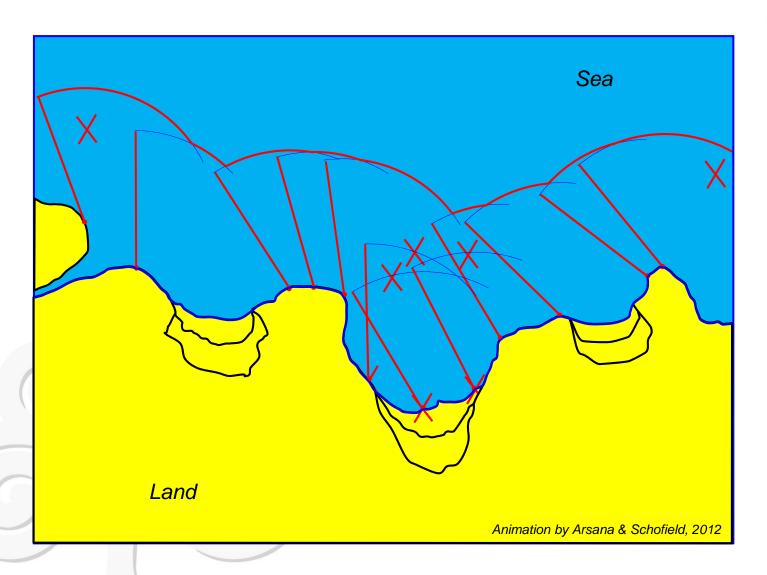
Low-tide elevations and the generation of maritime zones





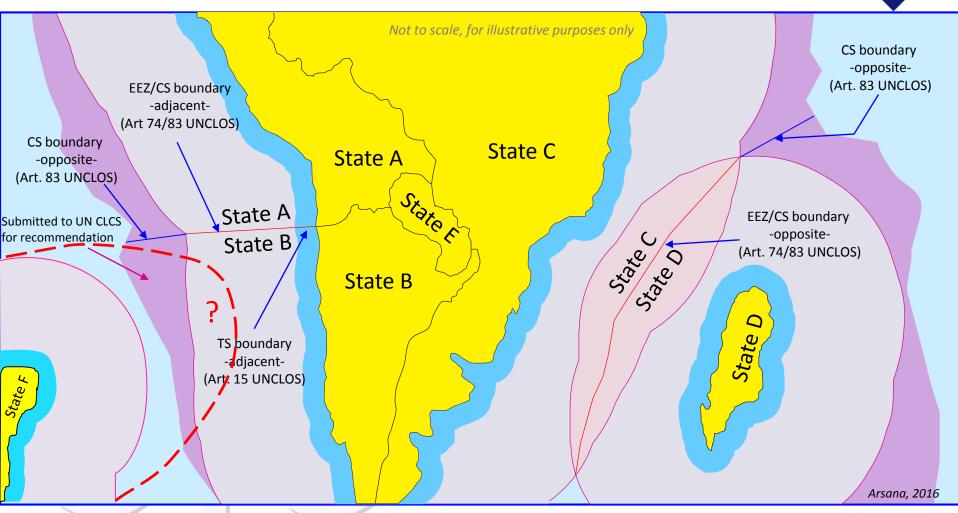
Uneven Impacts - Baselines, basepoints and maritime limits





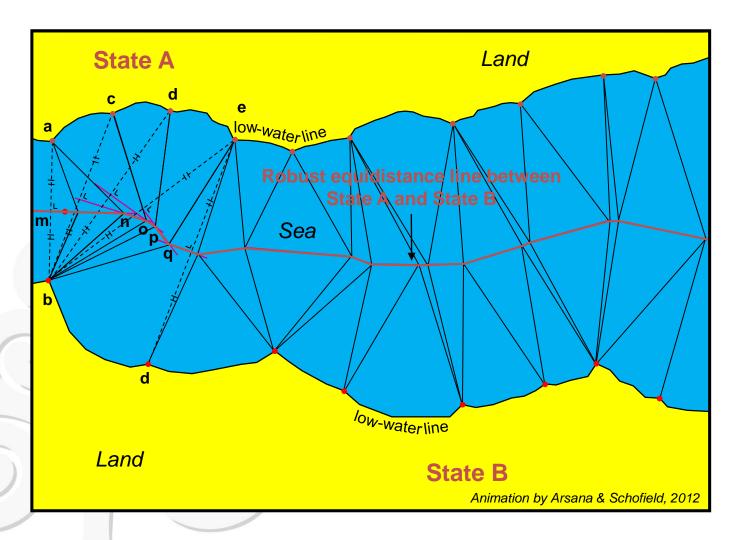
Principles & Methods of Maritime Boundary Delimitation





The construction of the equidistance line between two opposite States





The construction of equidistance line between two adjacent States



