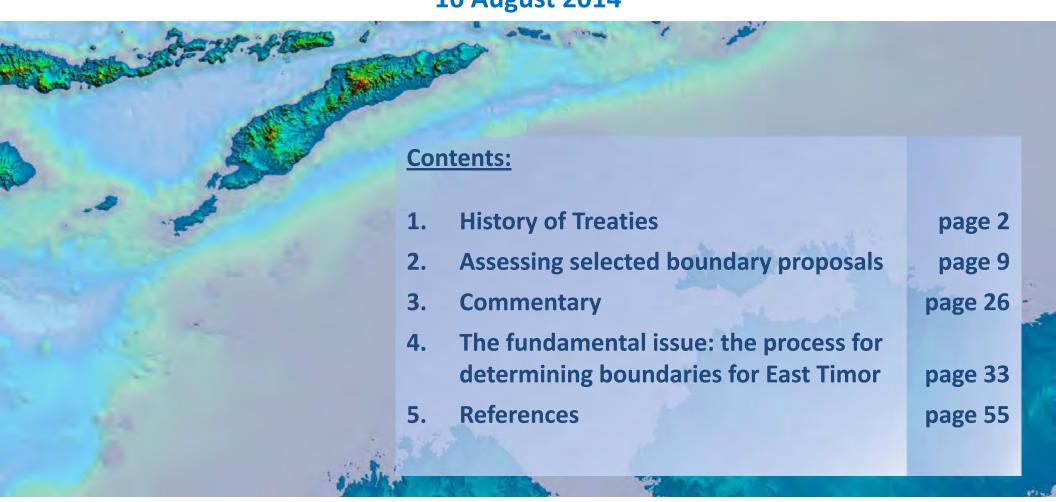
Timor Sea Maritime Boundaries: a presentation for the ICJA/ILA Colloquium at University of New South Wales 16 August 2014

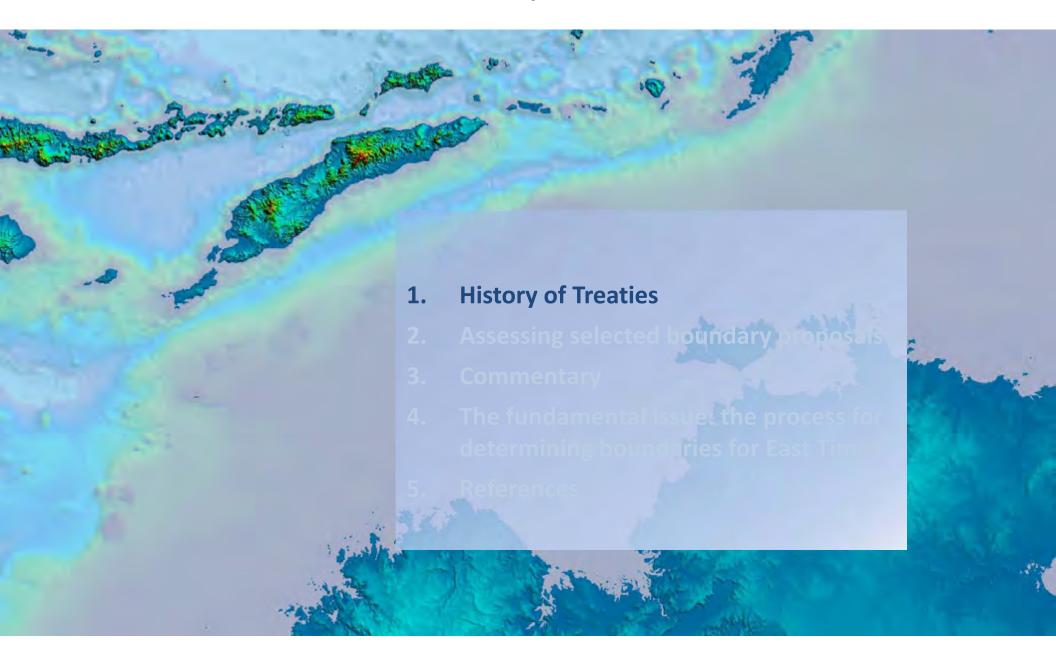


Maritime boundaries of East Timor: a graphical presentation of some historical and current issues

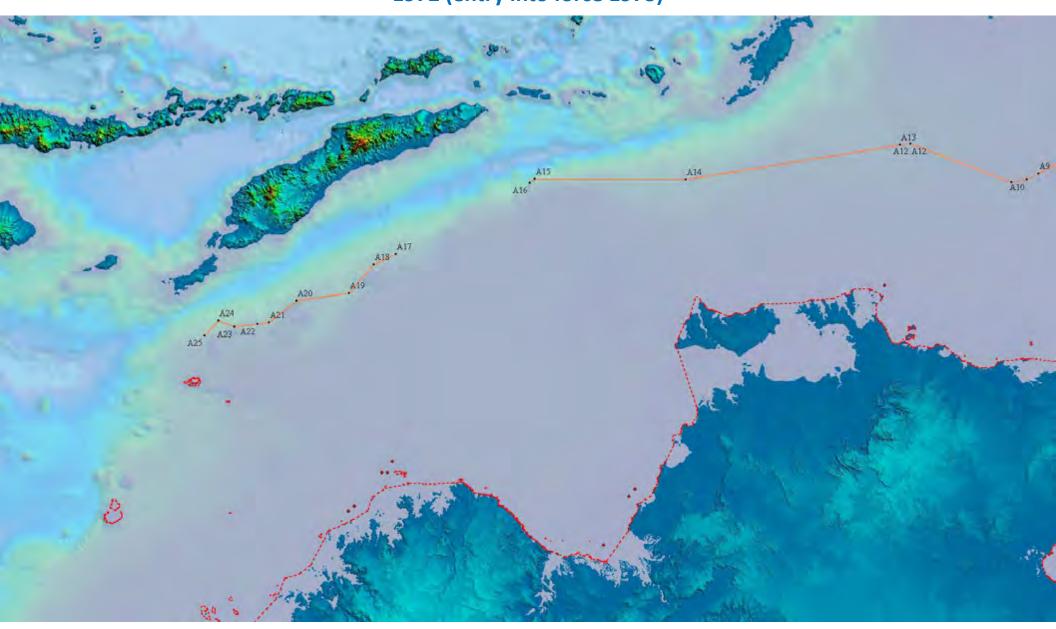
hydrographer.org

v.16a – May 2016

Up

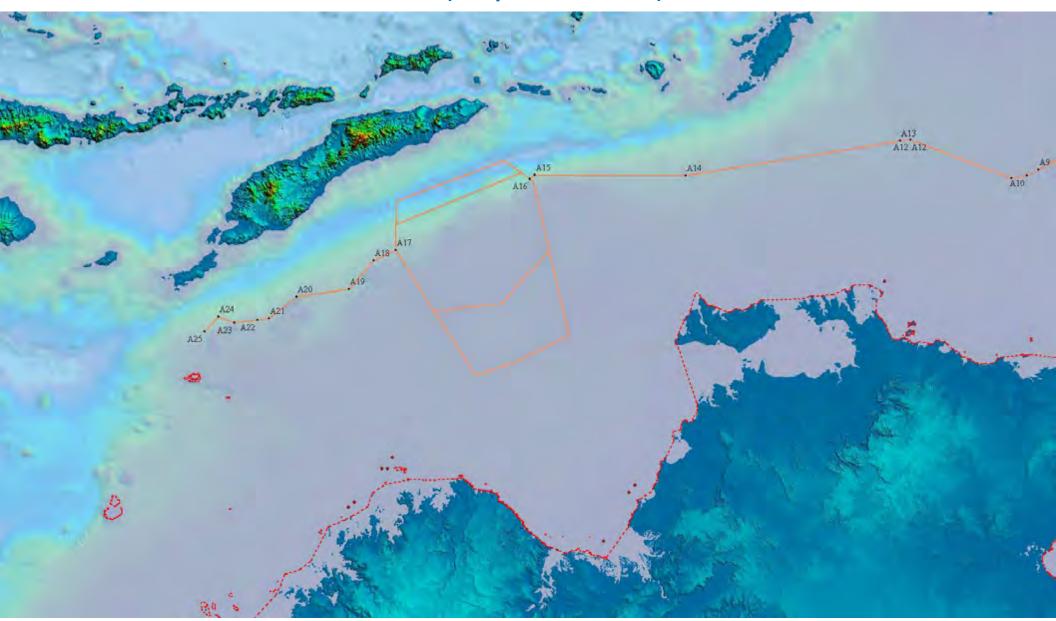


Agreement between Australia and Indonesia establishing Certain Seabed Boundaries in the Area of the Timor and Arafura Seas
1972 (entry into force 1973)



Boundaries between the area of seabed that is adjacent to and appertains to the Commonwealth of Australia and the area of seabed that is adjacent to and appertains to the Republic of Indonesia. The boundary is interrupted in the "Timor Gap". The dashed yellow line is the published Indonesian baseline. The dashed red line is the Australian baseline.

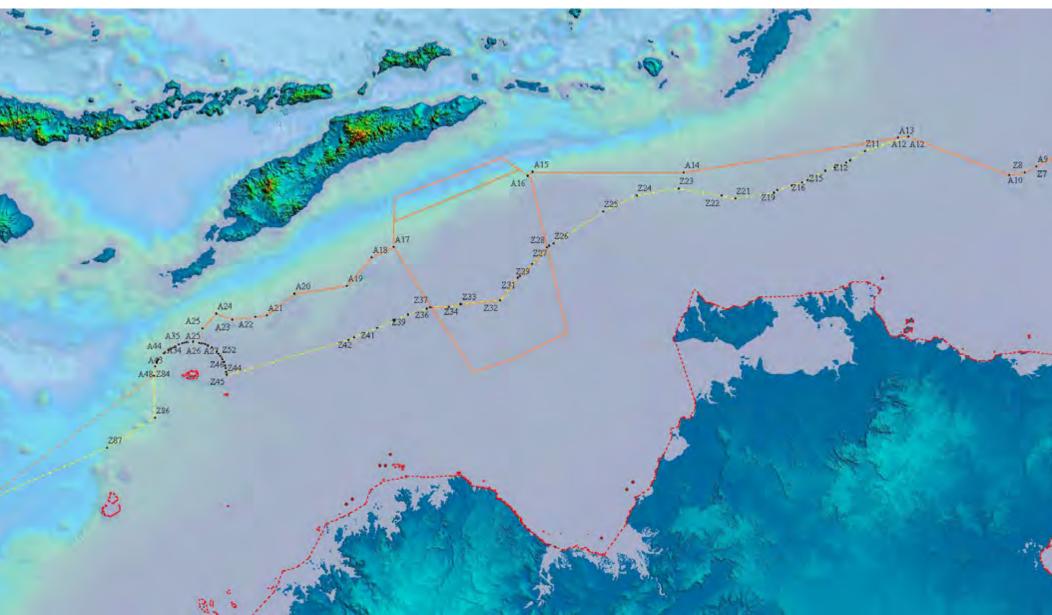
Treaty between Australia and Indonesia on the Zone of Cooperation in an Area between the Indonesian Province of East Timor and Northern Australia [Timor Gap Treaty] 1989 (entry into force 1991)



The treaty establishes in the "Timor Gap" a zone of cooperation with 3 areas: Area A (central area, with equal sharing of the benefits of exploitation of petroleum resources); Area B (southern area, Australia paying Indonesia 10% of gross Resource Rent Tax); Area C (northern area, Indonesia paying Australia 10% of Contractor' Income Tax).

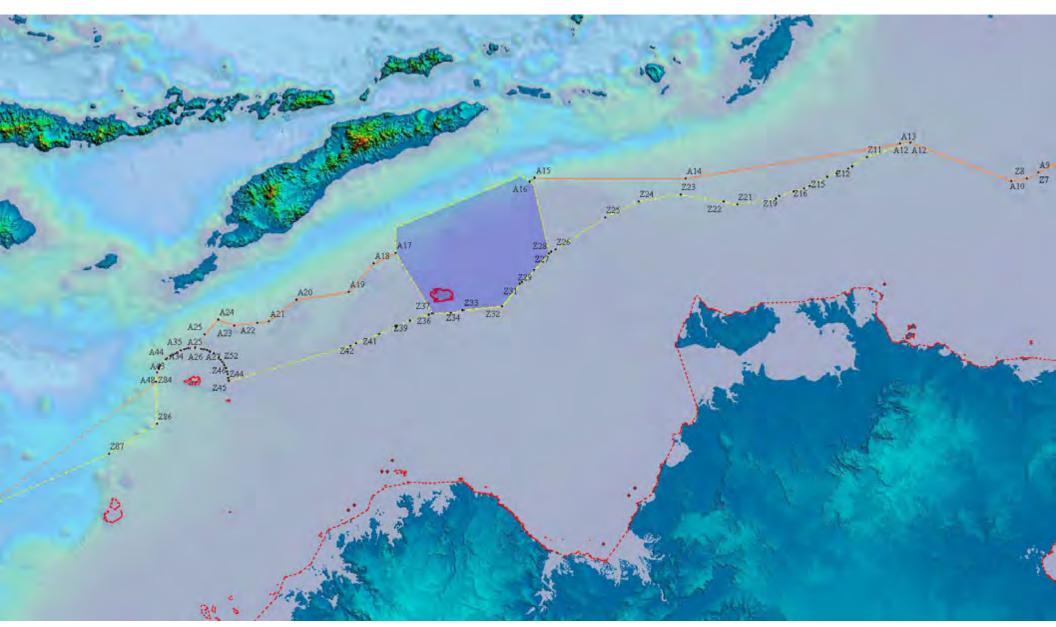
Treaty between Australia and Indonesia establishing an Exclusive Economic Zone Boundary and Certain Seabed Boundaries

1997 (not ratified, but the EEZ line east of point Z42 is the acknowledged current de facto boundary)



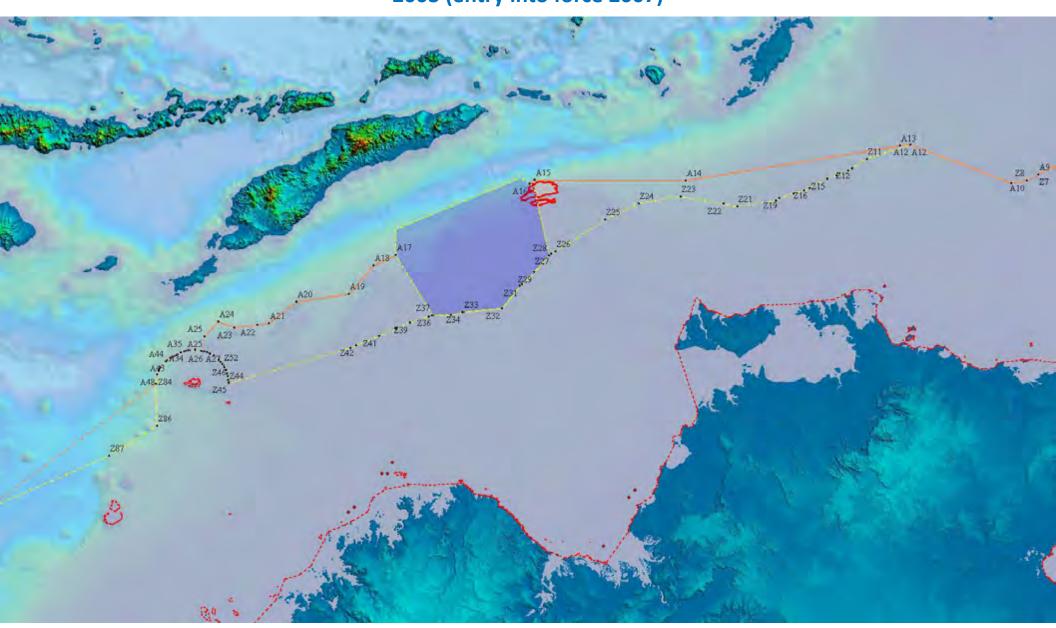
The 1997 treaty extends the seabed boundary to the west and establishes an Exclusive Economic Zone (EEZ) boundary. The treaty was not ratified, as part of its jurisdiction was transferred to East Timor in 1999. However, between points Z1 and Z42 the eastern side of the EEZ line is the acknowledged current de facto boundary in Australia's national geological survey's documents and maps, as well as on marine charts.

Timor Sea Treaty between East Timor and Australia 2002 (entry into force 2003)



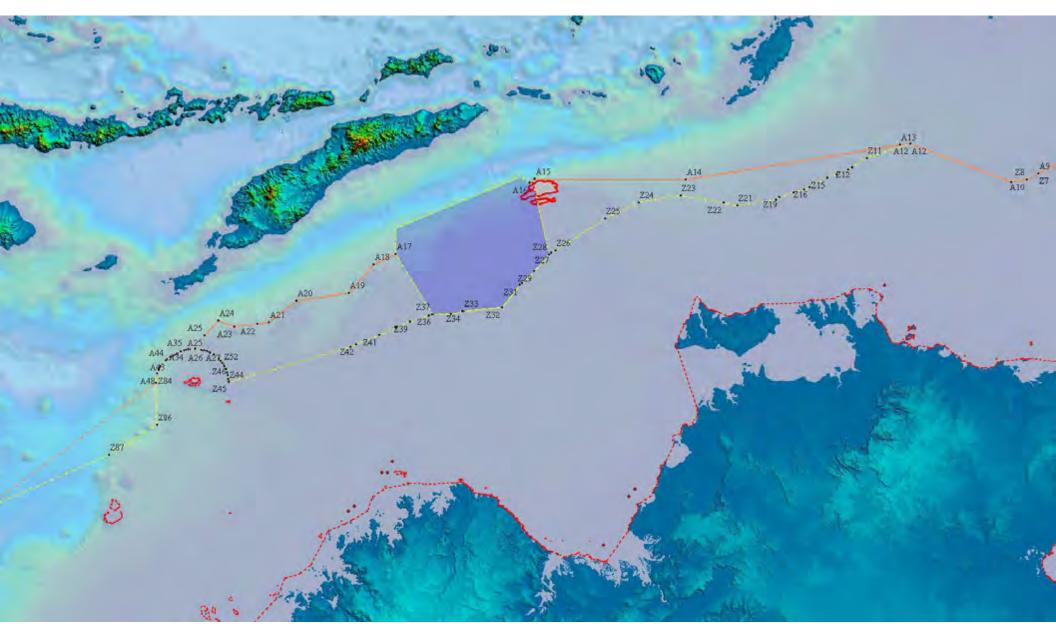
The Joint Petroleum Development Area (JPDA) is created. It is identical to Area A of the Timor Gap Treaty of 1989. Australia and East Timor shall have title to all petroleum produced in the JPDA. Of the petroleum produced in the JPDA, ninety (90) percent shall belong to East Timor and ten (10) percent shall belong to Australia.

Agreement between Australia and East Timor relating to the Unitisation of the Sunrise and Troubadour Fields 2003 (entry into force 2007)



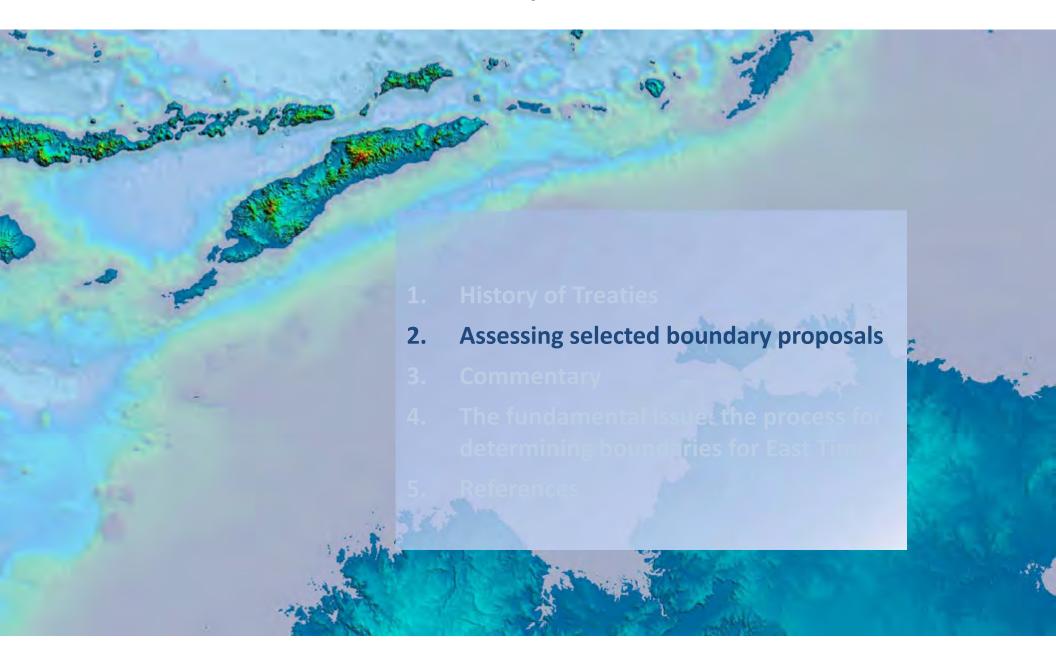
Production of Petroleum from the Sunrise and Troubadour Unit Reservoirs shall be apportioned between the JPDA and Australia according to the Apportionment Ratio 20.1:79.9, with 20.1% apportioned to the JPDA and 79.9% apportioned to Australia.

Treaty between Australia and East Timor on Certain Maritime Arrangements in the Timor Sea (CMATS) 2006 (entry into force 2007)

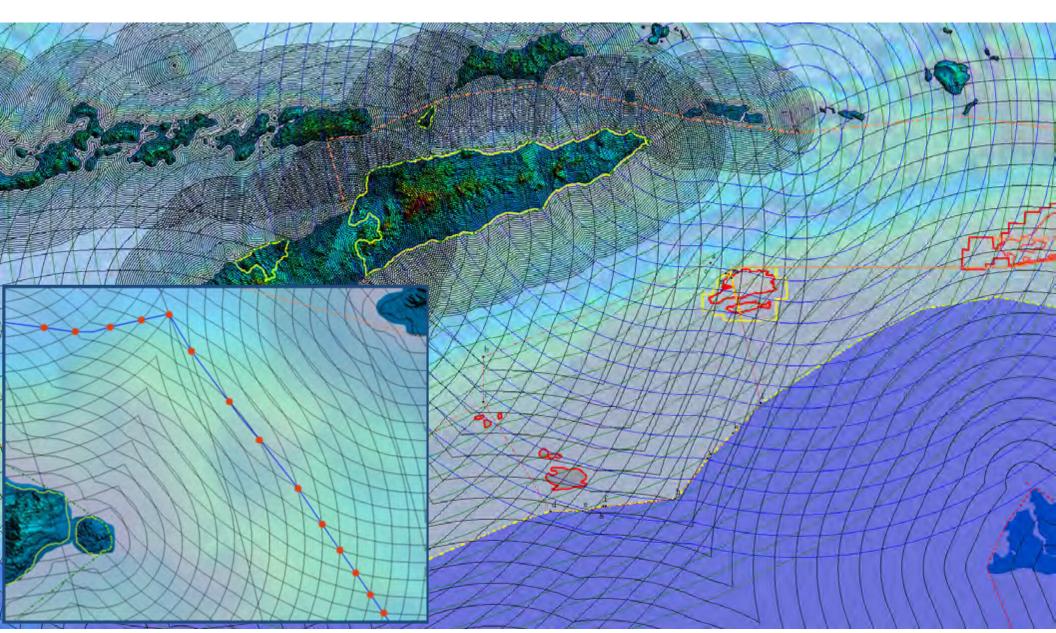


Notwithstanding the 20.1:79.9 Apportionment Ratio, the Parties shall share <u>equally</u> revenue derived directly from the production of that petroleum lying within the Greater Sunrise Unit Area in so far as the revenue relates to the upstream exploitation of that petroleum. All of the JPDA is declared to lie inside East Timor's water column (EEZ).

Up

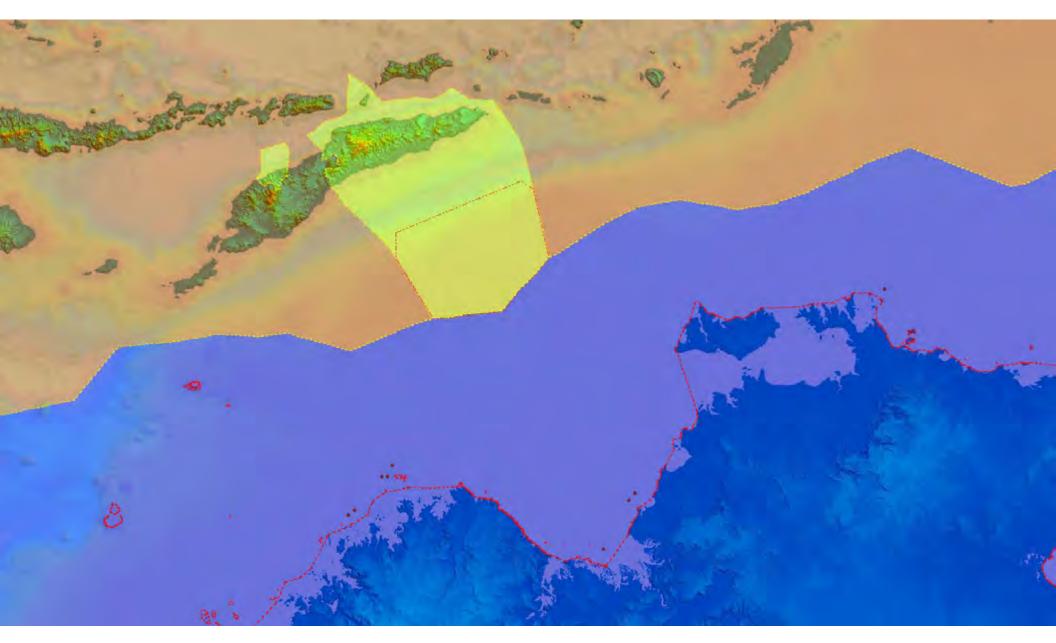


Determining equidistance



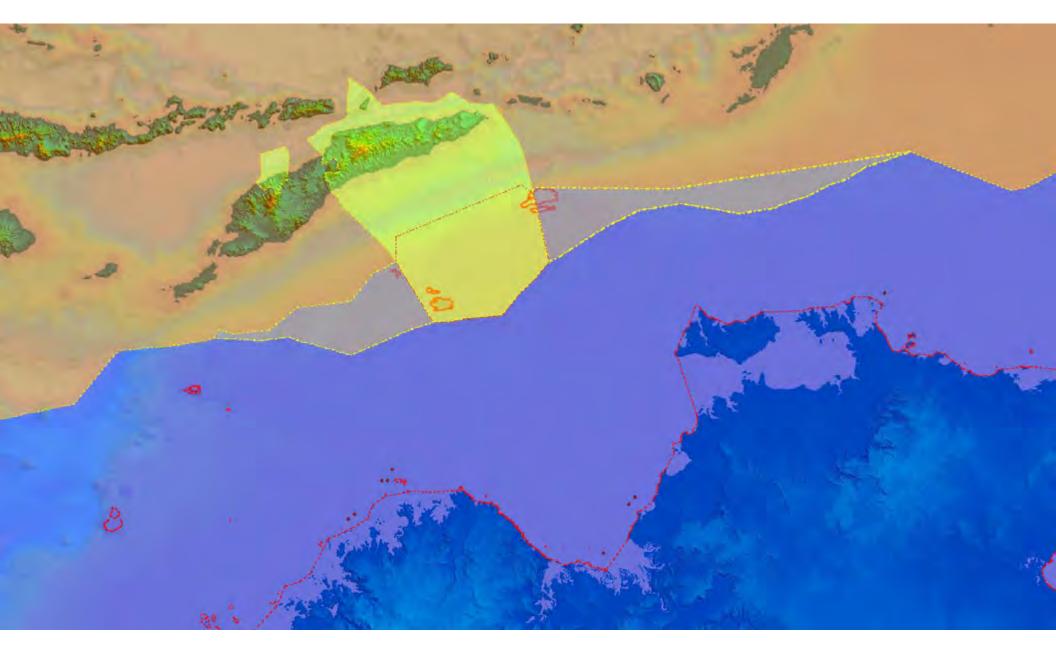
Using precise offset contours from baselines and coastlines (NASA/JPL SWBD shoreline vectors) with 1 to 10 NM spacing, exact lines of equidistance will be constructed in the following slides. Each line of equidistance (see blue line in inset) is the locus of equal distance contour line intersections. The existing median line between Australia and the Indonesian-East Timorese archipelago, as shown above, is a line of equidistance.

The EEZ's of Australia, East Timor and Indonesia if they were defined purely by median lines



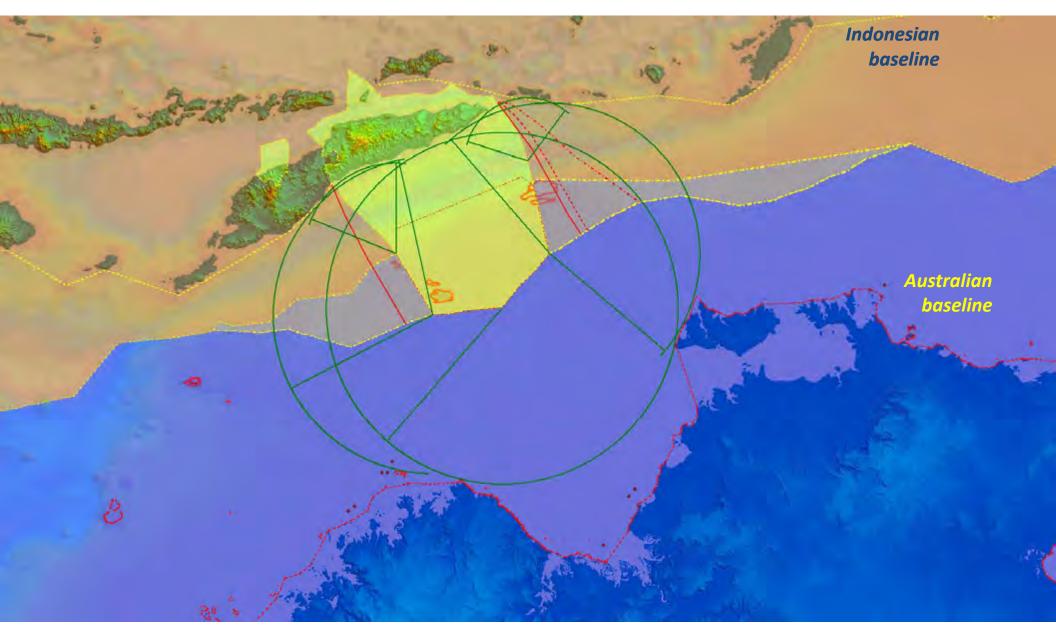
The proposed EEZ. Each point on the boundary lines is equidistant to any two countries (for detail see slides 33 and following).

The overlapping zones south of Timor and the Moluccas

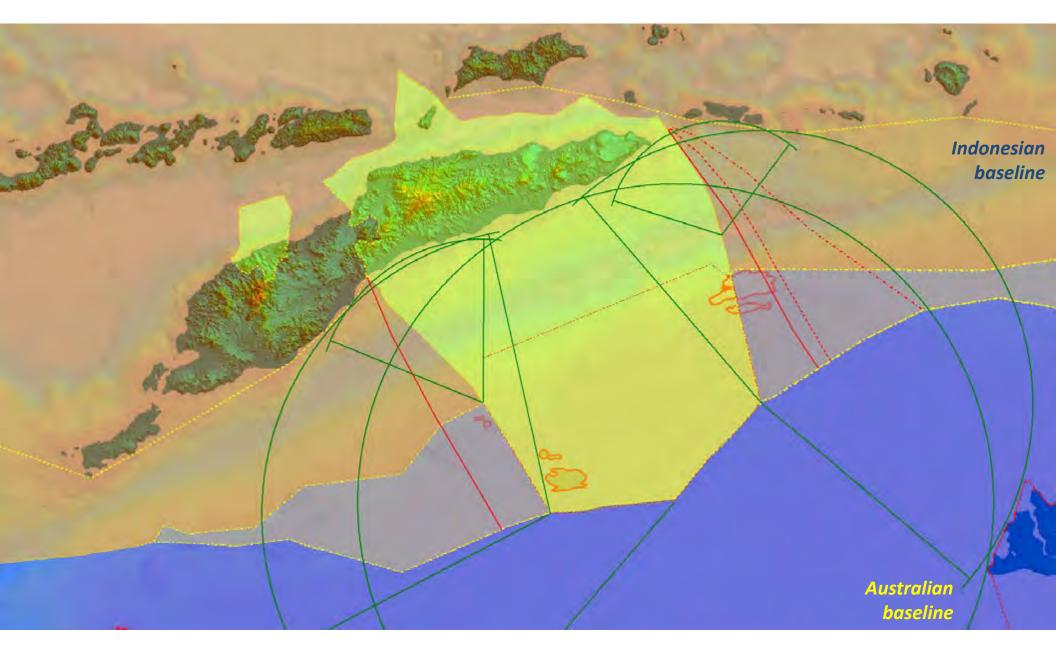


In the gray areas, south of Timor and north of the Australian/Indonesian median line, the seabed is Australian and the water column, or EEZ, Indonesian.

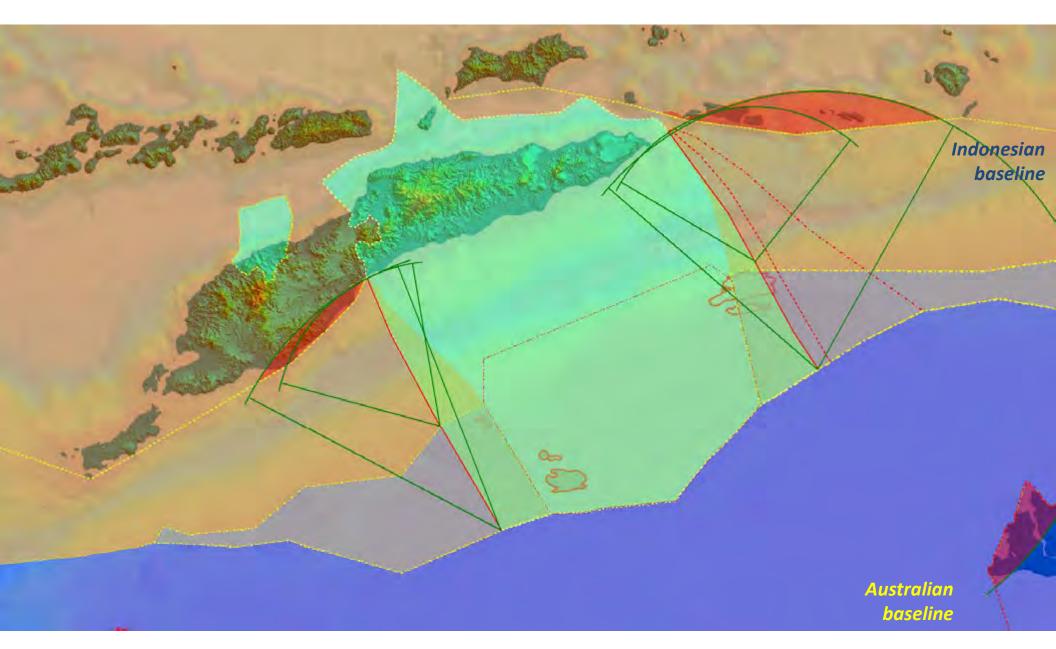
Rule of equidistance for defining boundaries



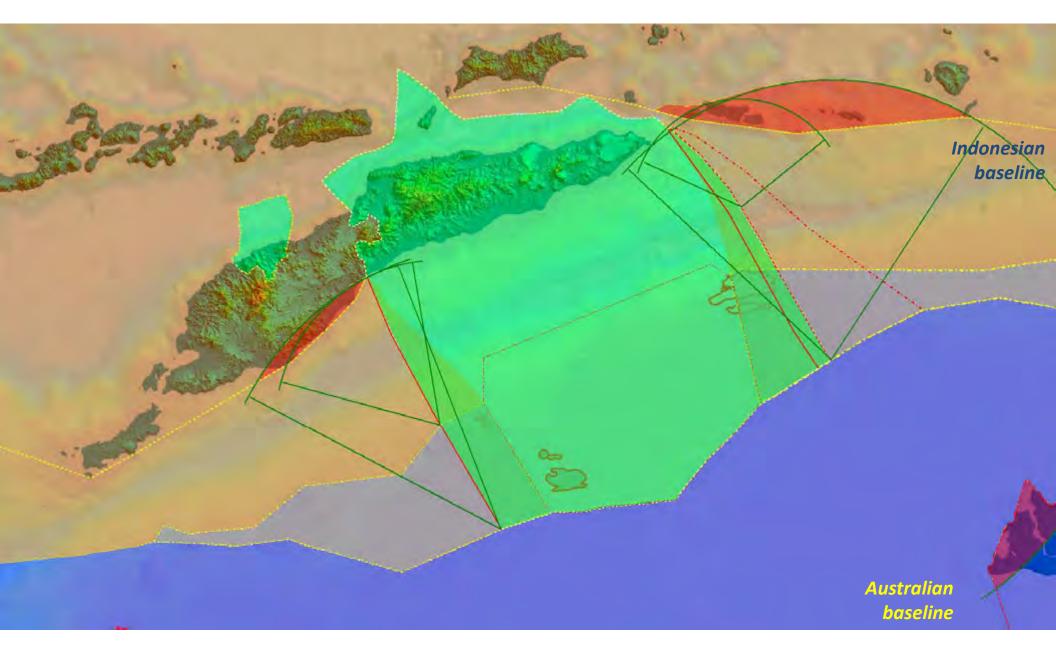
Equidistance to coastlines (see circles above) should be the preferred method for equitably defining East Timor's EEZ (yellow areas), in accordance with UNCLOS guideline of equitable principle, which, in the vast majority of maritime boundaries globally, leads to equidistance. Various alternatives to the rule of equidistance in the Timor Sea have been proposed by different authors, which significantly depart from equidistance. Note that a small rock on the Australian side was ignored (Combe Rock)



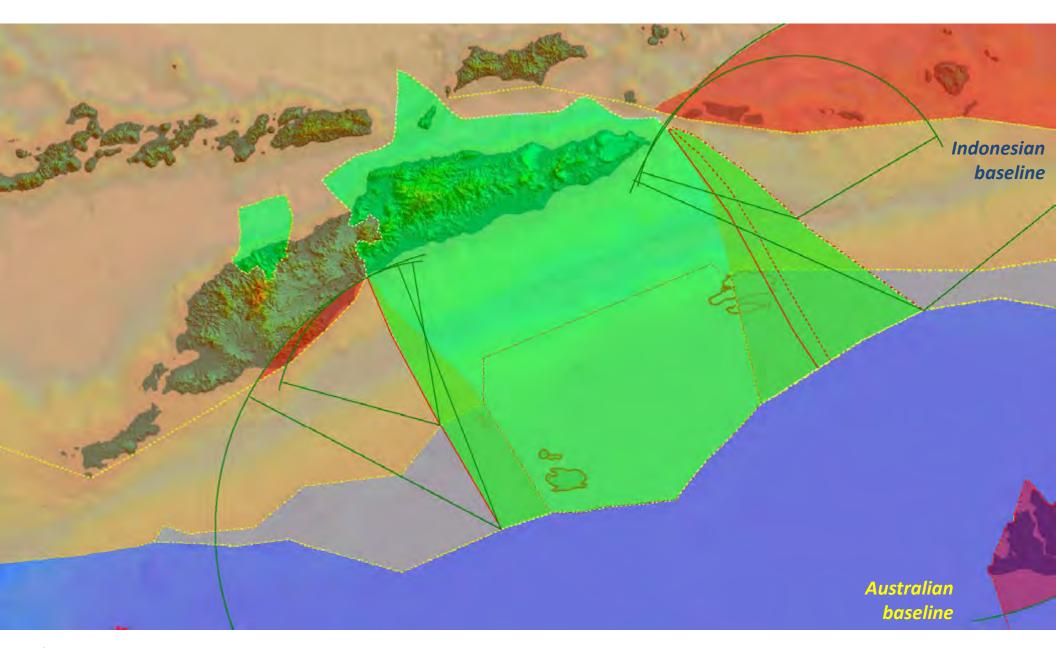
The solid red lines are defined as alternative "opposite coasts median lines" between Indonesia and East Timor. In the east, the dashed lines represent the alternative "lateral median lines" if Indonesian islands were given "3/4 effect" and "1/2 effect" respectively. All red lines are drawn inside of the Indonesian EEZ, thus encroaching upon current Indonesian EEZ.



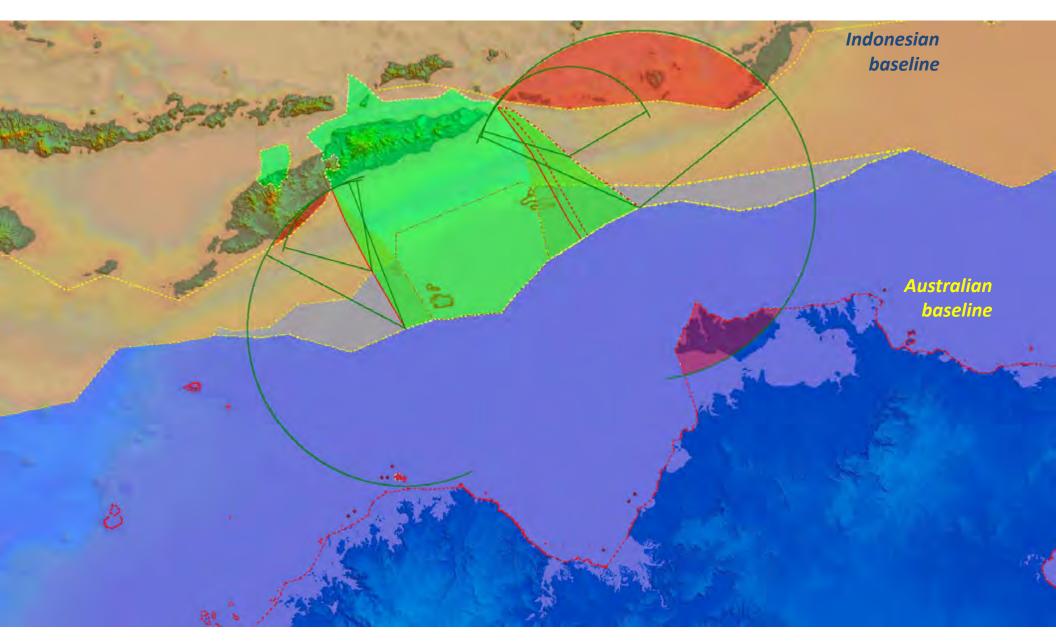
"Opposite coasts median line" approach: the rule of equidistance to neighboring coastlines would result in disregarding both Indonesian (7,100 sq. km) and Australian (2,500 sq. km) sovereign territory. The EEZ area increases by 17%, overlapping over 13,000 sq. km. of otherwise Indonesian EEZ. Indonesian baselines are shifted 10 and 20 nautical miles, the Australian 22.



"3/4 effect lateral median line" approach: the rule of equidistance to neighboring coastlines would result in disregarding both Indonesian (9,400 sq. km) and Australian (2,900 sq. km) sovereign territory. The EEZ area increases by 21%, overlapping over 16,400 sq. km. of otherwise Indonesian EEZ . Indonesian baselines are shifted 10 and 25 nautical miles, the Australian 25.

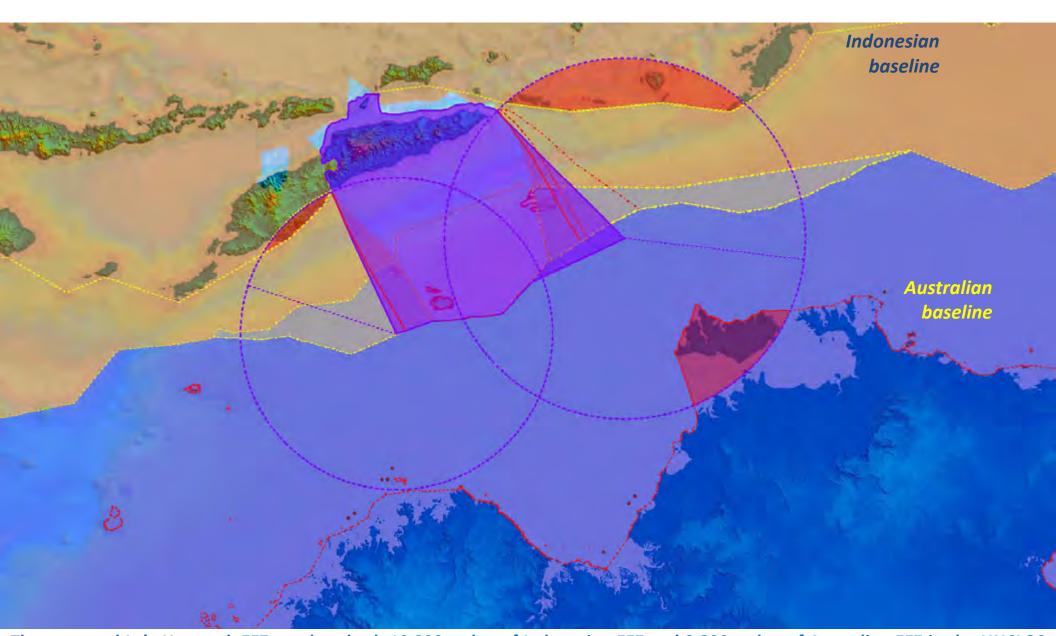


"1/2 effect lateral median line" approach: the rule of equidistance to neighboring coastlines would result in disregarding both Indonesian (37,100 sq. km) and Australian (10,000 sq. km) sovereign territory. The EEZ area increases by 34% overlapping over 26,300 sq. km. of otherwise Indonesian EEZ . Indonesian baselines are shifted 10 and 60 nautical miles, the Australian 55.



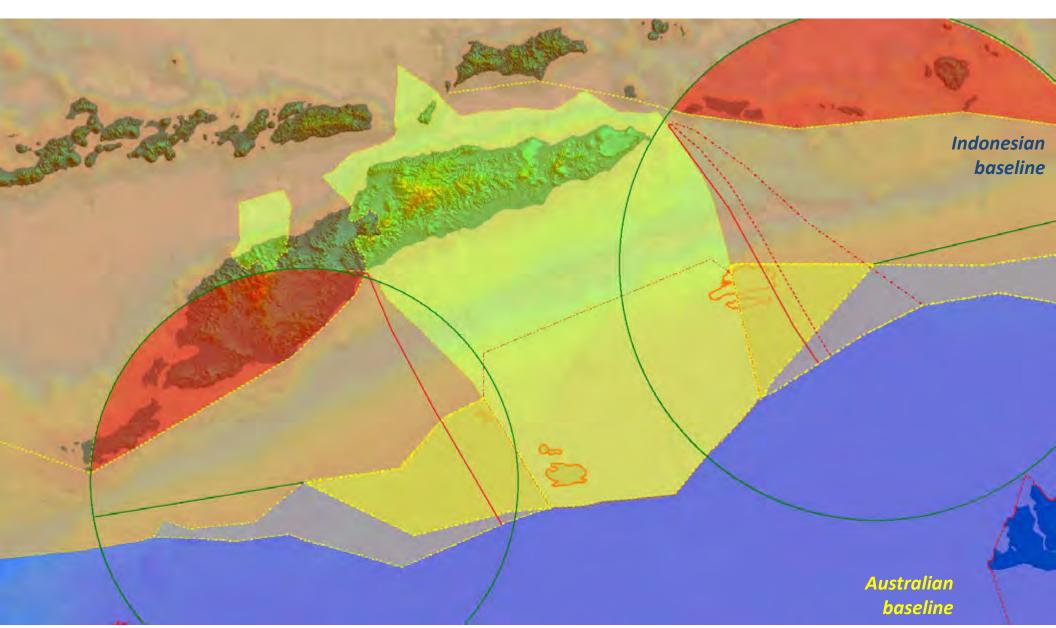
"1/2 effect lateral median line" approach: smaller scale. Indonesian baselines are shifted 10 and 60 nautical miles, the Australian 55.

The proposed East Timor EEZ according to La'o Hamutuk



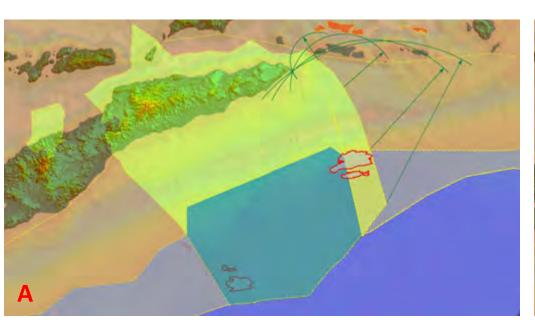
The proposed La'o Hamutuk EEZ overlaps both 19,800 sq.km of Indonesian EEZ and 3,300 sq.km of Australian EEZ in the UNCLOS sense, a 30% increase of area. Circles of equidistance tangent to East Timor's coastline are centered on corners of area. The rule of equidistance to neighboring coastlines would result in disregarding both Indonesian (23,200 sq. km) and Australian (15,600 sq. km) sovereign territory. Indonesian baselines are shifted 12 and 40 nautical miles, the Australian 70.

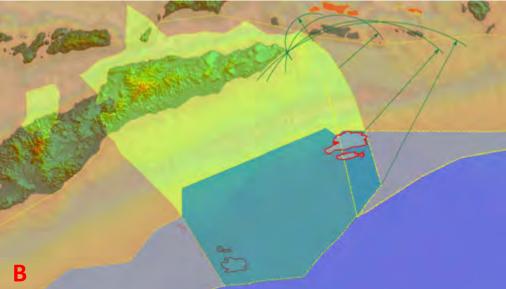
The East Timor EEZ when Indonesian EEZ is ignored in Australian seabed areas



This diagram examines the claim that an East Timor EEZ must contain all areas of Australian seabed closer to East Timor than to Australia (yellow dovetails, with an area of 18,900 sq. km). The Indonesian baselines must be shifted north 47 and 53 nautical miles before redrawing the median lines (intersecting the Oecusse border). The red areas are disregarded Indonesian territory. The rule of equidistance to neighboring baselines would result in disregarding 43,100 sq. km of Indonesian sovereign territory.

The East Timor EEZ if the Leti Islands and Miarang are offset virtually 17 nautical miles

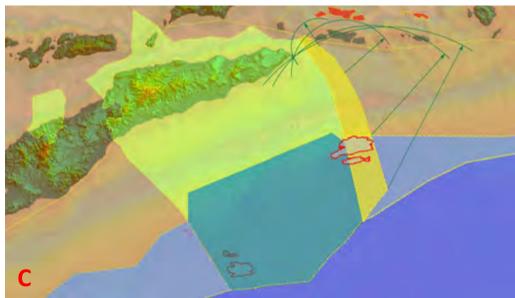




In a parallel with the Isles of Scilly case, which is often mentioned as a justification of the Lowe, Carleton and Ward proposals, these diagrams examine the shift of equidistant boundary if the Leti and Miarang Islands were offset the distance required to place all of the Sunrise fields within East Timorese EEZ. While the Isles of Scilly were pushed back halfway toward the UK mainland, a distance of 10 nautical miles, there is no mainland toward which the Leti Islands could be pushed halfway, and these islands would need to be moved north the arbitrary distance of 17 nautical miles.

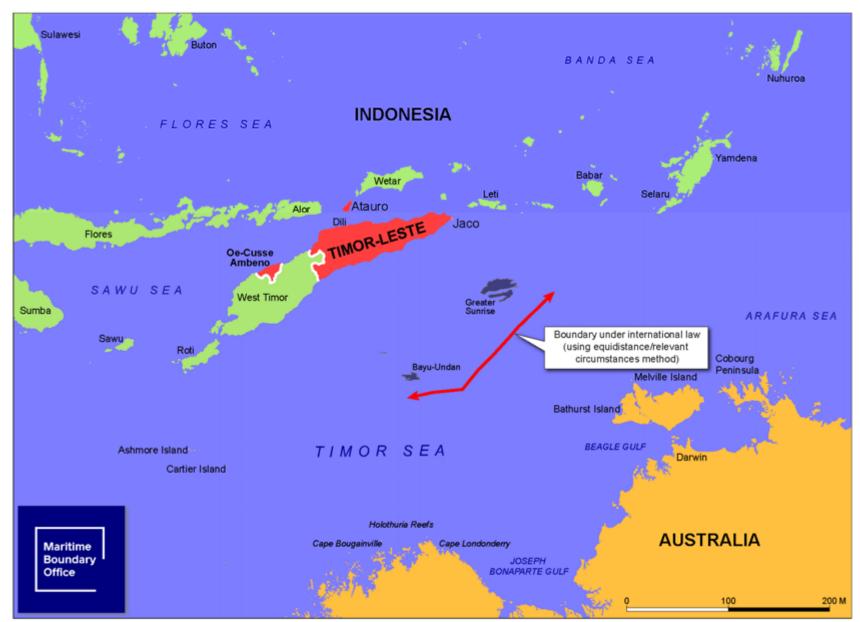
The next issue would be to determine whether the gained areas become:

- A. East Timorese Exclusive
- B. East Timorese Exclusive north of the current Australian seabed boundary and JPDA south of the current Australian seabed boundary



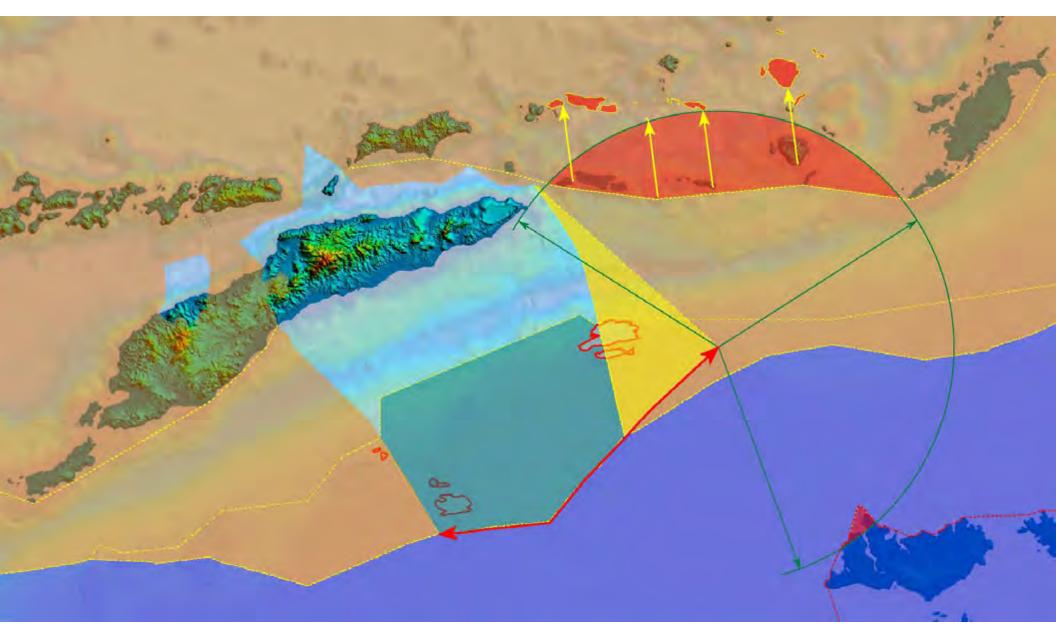
C. A new Indonesian-Timorese Joint Petroleum Development Zone in which income is split equally

The boundary claimed by the East Timorese Government on Feb. 29th, 2016 (gfm.tl)



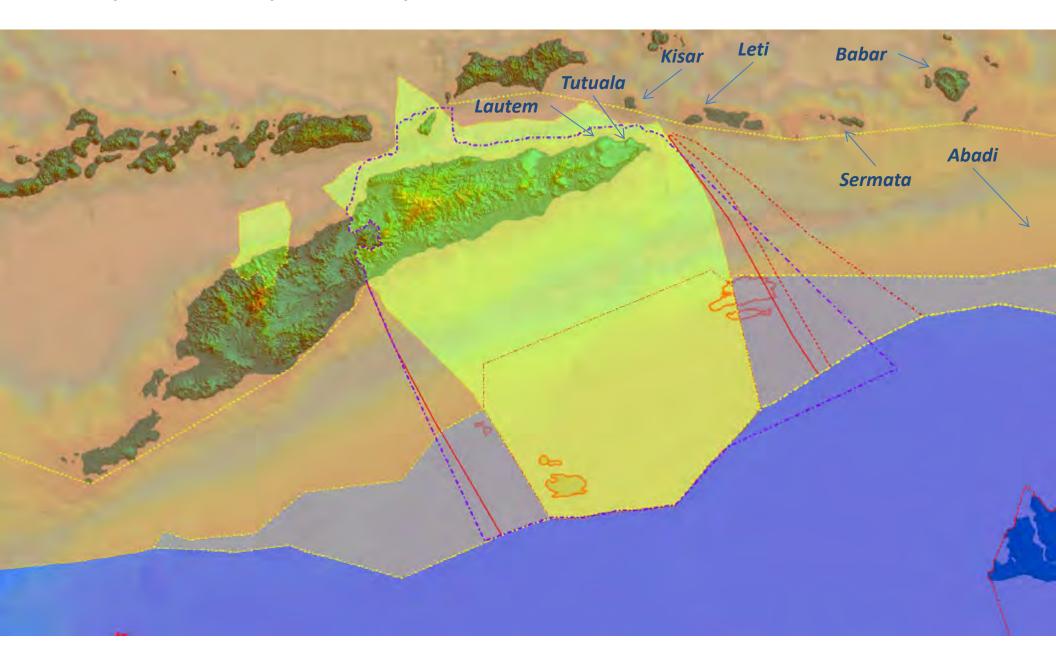
A median line between East Timor and Australia is drawn. The median lines with Indonesia are not shown. Several ICJ case examples are provided (Libya v. Malta, Romania v. Ukraine, Bangladesh v. Myanmar, Nicaragua v. Colombia, and Peru v. Chile). The precedent of the Isles of Scilly seems to have been abandoned, as well as claims west of the JPDA. The relevance of the cases is not explained but seems to be quite disconnected from the geographical, political, and historical realities of the Timor Sea. 22 of 57

Analysis of the East Timorese boundary claim of Feb. 29th, 2016



In yellow, the EEZ apparently claimed. The 15 islands of the Leti, Sermata, and Babar groups must be shifted north an arbitrary distance of 42 nautical miles (78 km) if the claimed boundary is to be also equidistant to Indonesia. An area of 19,490 sq. km of Indonesian plus 480 sq. km of Australian sovereign territories is disregarded, 1/3 larger than East Timor's land area. The EEZ gain over Indonesia is 12,600 sq. km. The ratio EEZ to land area becomes equal to 6, in a tie with the Philippines for largest is Asia. 23 of 57

Equidistant and Equitable Principles: the Southern Maluku Islands and Eastern East Timor



This map illustrates the discussion of the Equidistant and Equitable Principles in the next slide

Equidistant and Equitable Principles: the Southern Maluku Islands and Eastern East Timor

When drawing the maritime boundary between East Timor and Southern Maluku (Moluccas), the critical first step is to determine the line of equidistance, which relies on relatively straightforward geometry. Second, any party wishing to diverge from this line should present an argument stating for what equitable reason the line should depart from physical equidistance, and how the corresponding baselines should be virtually shifted.

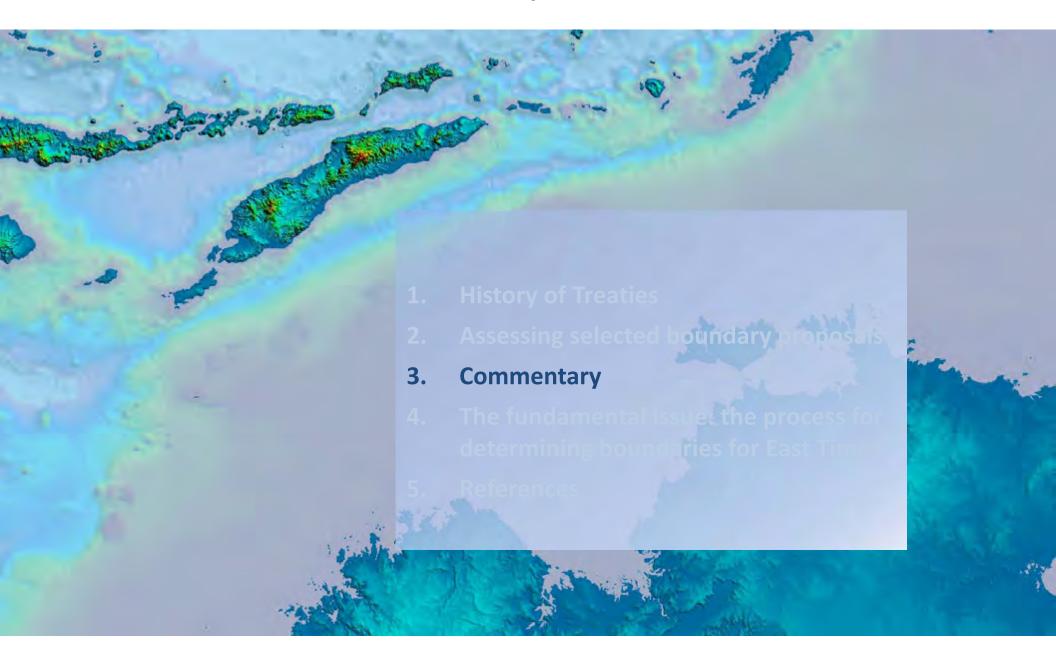
The principle of equidistance is applied in Article 15 of UNCLOS when defining the territorial seas between states with opposite or adjacent coasts, while the delimitation of the exclusive economic zones (EEZ), "the area beyond and adjacent to the territorial sea", (Article 55), is to be "effected by agreement ... in order to achieve an equitable solution" (Article 74).

The deflection between equidistant and equitable boundary lines, if any, may be based on either the geographic or demographic and economic particularities of the states with opposite or adjacent coasts:

- Geographically, for a land area close to 15,000 sq.km, East Timor's EEZ (including its Territorial Sea) slightly exceeds 77,000 sq.km. The ratio EEZ to land area is 5.2 (for comparison, this ratio is 1.0 in Australia, 3.3 in Indonesia, 5.1 in Papua New Guinea, about 1.2 in Malaysia, and 6.2 in the Philippines).
- From a demographic and economic standpoint, the eastern lateral boundary will separate East Timor from an archipelago of smaller islands in the southern parts of the Indonesian Province of Maluku, some of which particulars are in the following table.

•		
	East Timor	Maluku Province
Landlocked:	No	No
Archipelagic state:	No	Yes
Population (million):	1.2	1.7
Bordering district population:	60,000 (Lautem)	70,000 (Kisar-Leti-Sermata-Babar)
Bordering sub-district population:	3,800 (Tutuala)	8,400 (Leti)
GDP per capita (approx., World Bank and Indonesian data):	\$1,380	\$100 to \$150 (Kisar-Leti-Sermata-Babar)
GDP per capita (non oil and gas, approx.):	\$300	\$100 to \$150 (Kisar-Leti-Sermata-Babar)
Other oil and gas fields in the Timor and Arafura Seas:	Bayu Undan (active)	Abadi (in development, will return full revenue starting in the mid-2020s)

Up



A summary of the Treaties between Australia and East Timor

TIMOR SEA TREATY (2002)

- IN THE JPDA, WHICH THE TREATY CREATED, 90% OF THE PETROLEUM PRODUCED BELONGS TO EAST TIMOR AND 10% TO AUSTRALIA: Australia and East Timor shall have title to all petroleum produced in the JPDA. Of the petroleum produced in the JPDA, ninety (90) percent shall belong to East Timor and ten (10) percent shall belong to Australia.
- 20.1% OF PRODUCTION FROM GREATER SUNRISE IS DISTRIBUTED TO THE JPDA AND 79.9% TO AUSTRALIA: Australia and East Timor agree to unitise the Sunrise and Troubadour deposits on the basis that 20.1% of Greater Sunrise lies within the JPDA. Production from Greater Sunrise shall be distributed on the basis that 20.1% is attributed to the JPDA and 79.9% is attributed to Australia.

UNITISATION OF THE SUNRISE AND TROUBADOUR FIELDS (2003)

PRODUCTION FROM GREATER SUNRISE IS APPORTIONED 79.9% TO AUSTRALIA AND 20.1% TO THE JPDA:
 Production of Petroleum from the Unit Reservoirs shall be apportioned between the JPDA and Australia according to the Apportionment Ratio 20.1:79.9, with 20.1% apportioned to the JPDA and 79.9% apportioned to Australia.

CMATS (2006)

- REVENUE FROM GREATER SUNRISE SHALL BE SHARED 50% 50%: The Parties shall share equally revenue derived directly from the production of that petroleum lying within the Unit Area in so far as the revenue relates to the upstream exploitation of that petroleum.
- MORATORIUM ON MARITIME BOUNDARIES: Neither Australia nor Timor-Leste shall assert, pursue or further by any means in relation to the other Party its claims to sovereign rights and jurisdiction and maritime boundaries for the period of this Treaty.
- THE JPDA IS ENTIRELY WITHIN EAST TIMOR'S EEZ: Timor-Leste will continue to exercise jurisdiction in relation to the water column, and sovereign rights over the resources of the water column, north of the line delimiting the southern boundary of the JPDA

27 of 57

Invalidating CMATS

If CMATS were invalidated, the parties would go back to the Timor Sea Treaty, according to which:

• 20.1% OF PRODUCTION FROM GREATER SUNRISE IS DISTRIBUTED TO THE JPDA AND 79.9% TO AUSTRALIA

CMATS articles which would be lost:

- REVENUE FROM GREATER SUNRISE SHALL BE SHARED 50% 50%
- MORATORIUM ON MARITIME BOUNDARIES
- THE JPDA IS ENTIRELY WITHIN EAST TIMOR'S EEZ

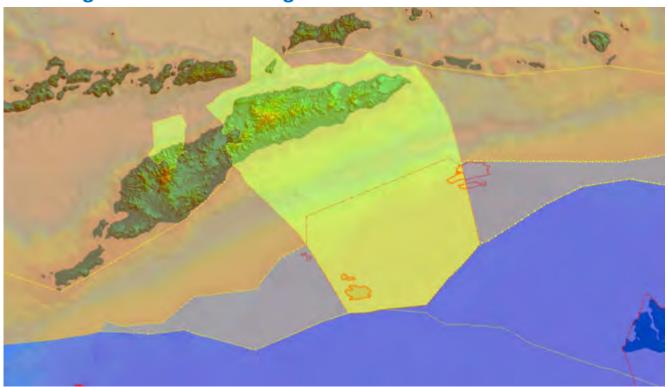
Accordingly, East Timor would forego 64% of the revenue from Greater Sunrise granted by CMATS and also Australian formal recognition of its EEZ jurisdiction over the JPDA.

East Timor would regain the ability to "assert, pursue or further its claims to sovereign rights and jurisdiction and maritime boundaries", which it agreed not to do in CMATS. Australia obtained rights to its share of Greater Sunrise by effect of the 1972 and 1997 treaties with Indonesia. Whether the 1997 treaty is still valid or not with regard to the Indonesian EEZ (the treaty was never ratified but still defines the de facto EEZ boundaries in the area on Australian maps and marine charts), Australia may decide to share more revenue with East Timor than the 20.1% East Timor is entitled to according to the Timor Sea Treaty, but it is not obliged to do so.

Effect of the 1997 treaty between Australia and Indonesia if East Timor were to seek geographic expansion of its petroleum rights and/or its EEZ

There are two possible scenarios, affecting the two gray seabed areas on each side of the JPDA:

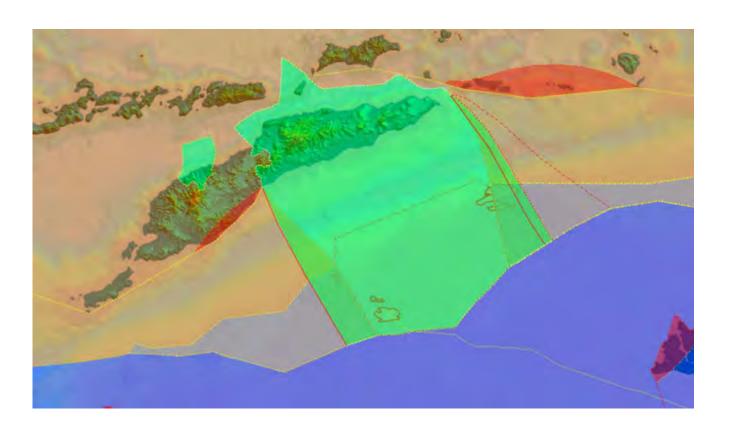
- 1. The 1997 treaty between Australia and Indonesia is valid with regard to the Indonesian EEZ in the area (or is ratified by Indonesia after due amendment to exclude references to areas now under East Timor's jurisdiction): Australia has sovereign rights and jurisdiction under the Treaty in relation to its seabed north of the median line, where its share of Sunrise lies, while Indonesia has sovereign rights and jurisdiction under the Treaty in the EEZ above the seabed.
- 2. The 1997 treaty between Australia and Indonesia is not valid: falling back to the 1972 treaty, Australia has sole sovereign rights and jurisdiction in and over parts of its seabed north of the median line, where its share of Sunrise lies. Indonesia has no agreed right whatsoever in those areas, notwithstanding the 1997 lines being current de facto Australian EEZ boundaries in the area.



Scenario number 1: the 1997 treaty between Australia and Indonesia is valid

Indonesia having sovereign EEZ rights over that particular part of Australian seabed, the shifting of the lateral boundary lines as per Lowe, Carleton, Ward must involve Indonesia: when East Timor invokes UNCLOS in its claim for all of Greater Sunrise, it must allow the UNCLOS requirement that the seabed rights should coincide with the EEZ. Accordingly it will be necessary first to transfer the seabed rights from Australia to Indonesia, and second to transfer the corresponding EEZ from Indonesia to East Timor. The red areas of Indonesia will in effect be disregarded in the delineation of the boundaries. To summarize, the process will require acknowledgement by the parties that:

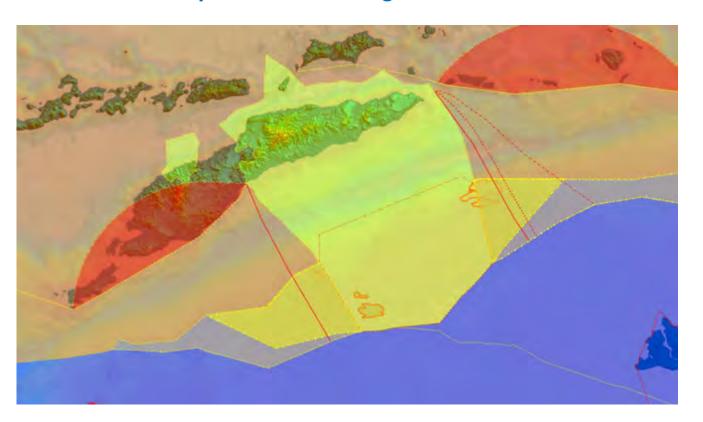
- a) Indonesia accepts the concept of compensated effect for the outlying Indonesian islands
- b) Australia transfers its seabed rights in the areas to Indonesia
- c) Indonesia transfers its EEZ rights in the areas to East Timor



Scenario number 2: the 1997 treaty between Australia and Indonesia is not valid

In this case, in a reversion from the treaty lines being the acknowledged current de facto EEZ boundaries in the area, Australia has sovereign rights in and over its seabed areas, according to the 1972 agreement, and is at liberty to transfer its seabed and/or water column to anyone it wishes, provided of course that such transfer is according to national law. It will also require substantial public and legislative involvement. Australia may also relinquish, without involving Indonesia, those parts of its seabed areas that are closer to East Timor than to Australia. This scenario would be contrary to the essence of UNCLOS, as the potential transfer areas are significantly closer to Indonesia than they are to East Timor.

All points inside the yellow dovetails are Australian seabed closer to East Timor than to Australia. The red areas in Indonesian territory are in effect disregarded in the delineation of the boundaries.



Analysis

Scenario number 1 involves several layers of yet untested multilateral prerequisites and scenario number 2 is contrary not only to the status quo regarding the current Indonesian/Australian de facto EEZ boundary, but also to the essence of UNCLOS. In case Australia were amenable to relinquishing part of its seabed voluntarily, both scenarios would likely be quite objectionable to Indonesia.

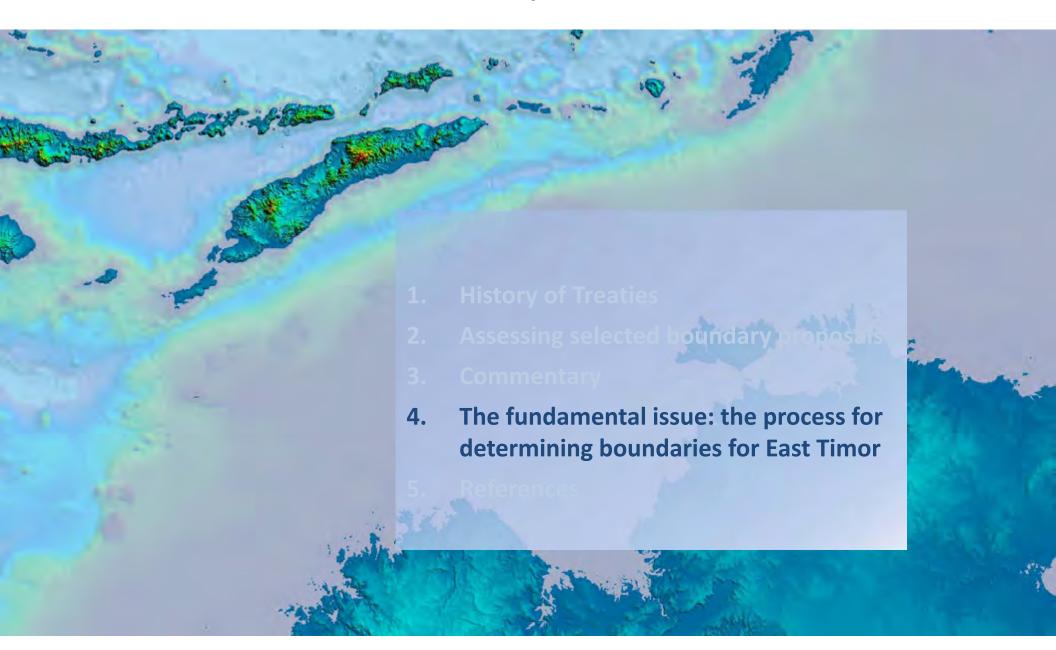
The invalidation of CMATS would terminate for East Timor the guaranteed benefits of CMATS over the Timor Sea Treaty, apparently only in exchange for the right for East Timor to negotiate maritime boundaries along the same lines of equidistance that were used to define the boundaries of the JPDA.

East Timor would need to either file suit before the International Court of Justice or the International Tribunal for the Law of the Sea, or seek mediation with Australia and Indonesia. Whichever scenario applies, East Timor could only achieve its objectives by claiming territory which would result in jurisdiction over areas closer to Indonesia than to East Timor.

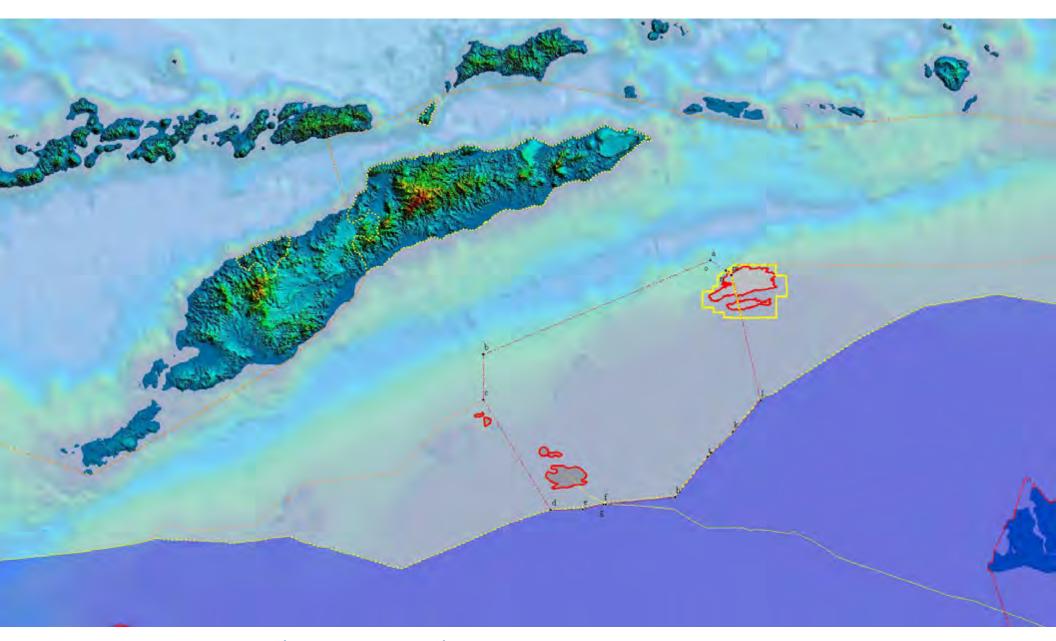
Australia declared in 2002 that it accepted as compulsory the jurisdiction of the International Court of Justice with the exception that such jurisdiction did not apply to its maritime boundaries, and made a similar declaration under article 287 of UNCLOS with regard to the International Tribunal for the Law of the Sea. Indonesia has never declared its acceptance of the compulsory jurisdiction of the International Court of Justice, although a decision by an arbitral tribunal under the International Tribunal for the Law of the Sea would be binding on Indonesia as a State Party to UNCLOS. However, as already noted, Indonesia only has jurisdiction over the water column in the 1997 EEZ area, if the 1997 treaty is valid, but no jurisdiction at all if the treaty is not valid.

To accommodate East Timor's request for jurisdiction beyond the lines of equidistance, both Australia and Indonesia would need to voluntarily give away large expanses of what they consider to be their sovereign seabed and/or EEZ. Doing so could only be achieved through complex, difficult, and lengthy political processes requiring considerable public and legislative involvement in both countries.

Up

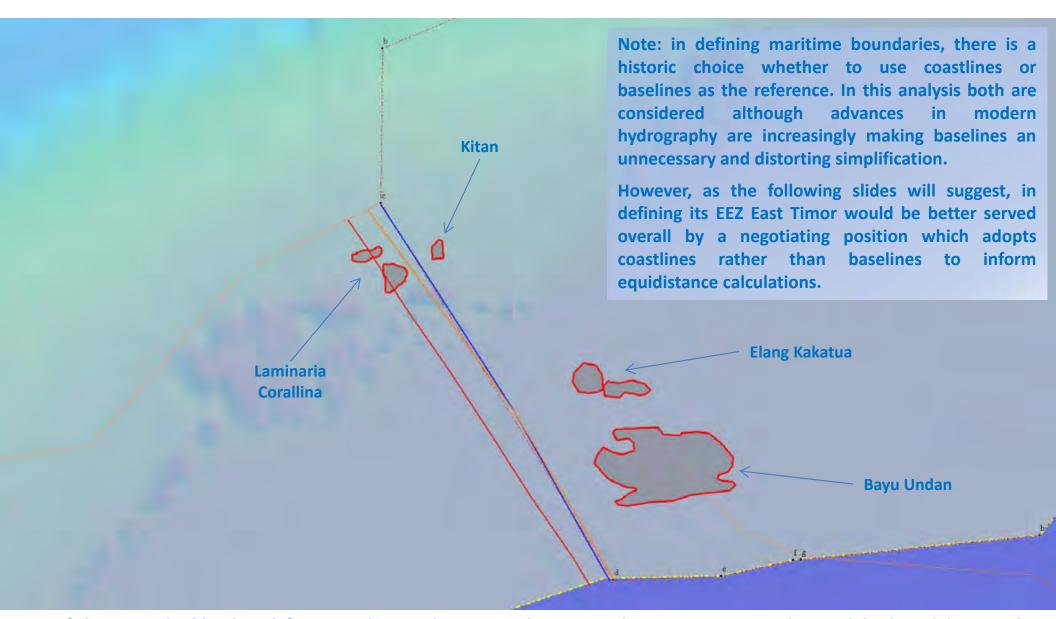


The fundamental issue



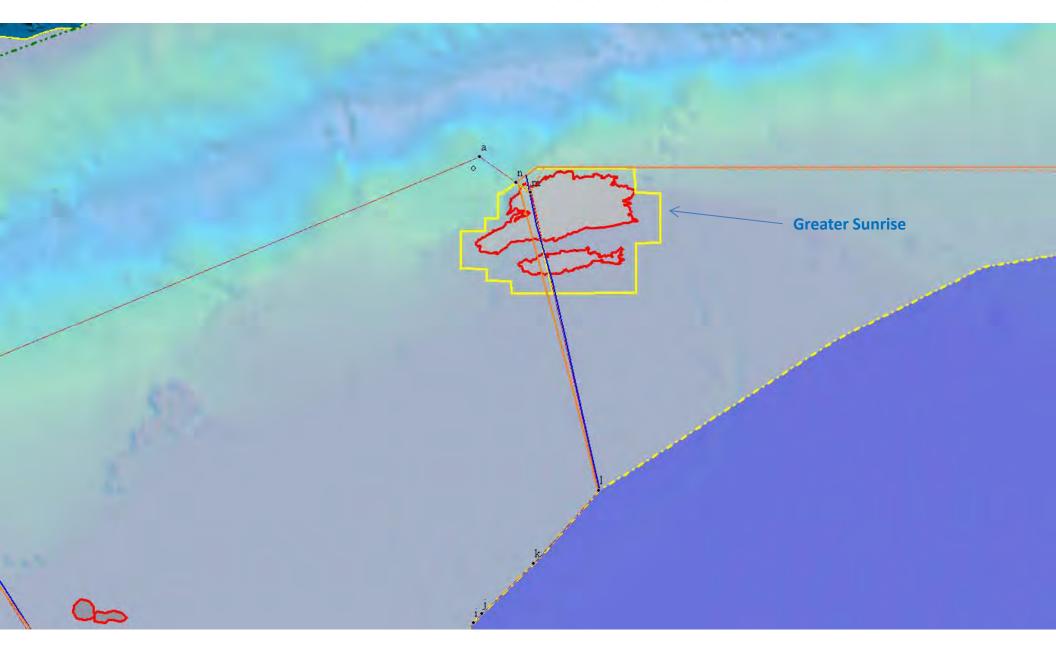
Only the Indonesian baseline (dashed orange line), the JPDA and the treaty lines between Indonesia and Australia have been formally defined. No maritime boundary for East Timor outside of the JPDA has been formally defined. The following diagrams use coastlines from the updated NASA/BAE Systems/JPL SRTM Water Body Data (SWBD), from which boundaries can be drawn with a high degree of accuracy (see method in slide 10).

Western JPDA boundaries



West of the JPDA: the blue line defines equidistance between Indonesian and East Timorese coastlines, while the solid orange line defines equidistance between conservative baselines and the solid red line between quite liberal but questionable baselines. The lateral JPDA boundary coincides almost exactly with the blue line. The maximum deviation between the existing JPDA boundary (c-d) and the orange line is 2 NM. It is 9 NM for the red line. Jurisdiction over the fields of Bayu Undan, Elang Kakatua, and Kitan is unchanged, but that over the nearly exhausted fields of Laminaria and Corallina may be affected by the questionable red line

Eastern JPDA boundaries



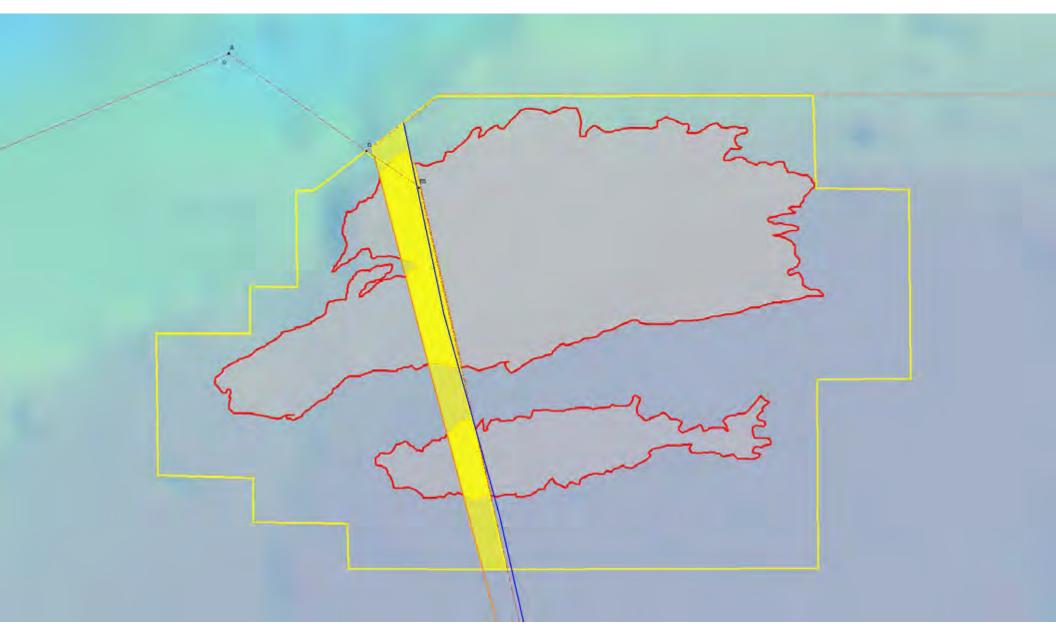
<u>East of the JPDA</u>: the blue line defines equidistance between Indonesian and East Timorese coastlines, while the N/S orange line defines equidistance between baselines. The orange line is entirely west of the existing JPDA boundary, while the blue line almost exactly follows it.

Sharing Greater Sunrise after redefining JPDA boundaries



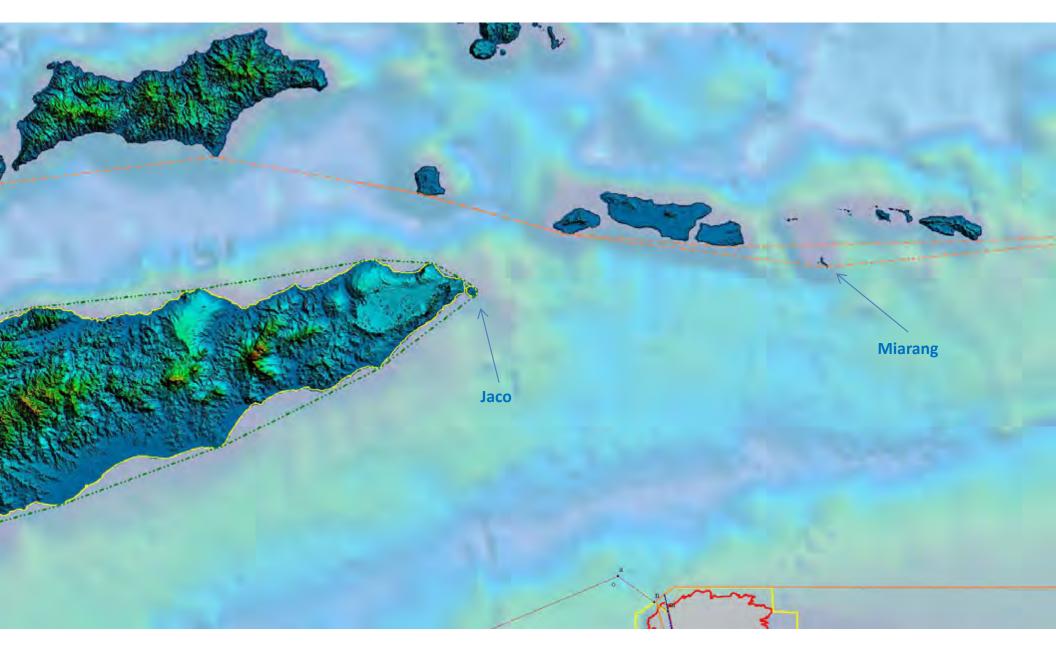
If baselines were to be chosen to determine the lines of equidistance, jurisdiction over the fields of Greater Sunrise would shift to the detriment of East Timor. The maximum deviation from the orange line to the existing JPDA boundary (yellow) is 2 NM. The blue line of equidistance between the coastlines follows the yellow existing boundary with insignificant deviations.

Jurisdiction is partially changed



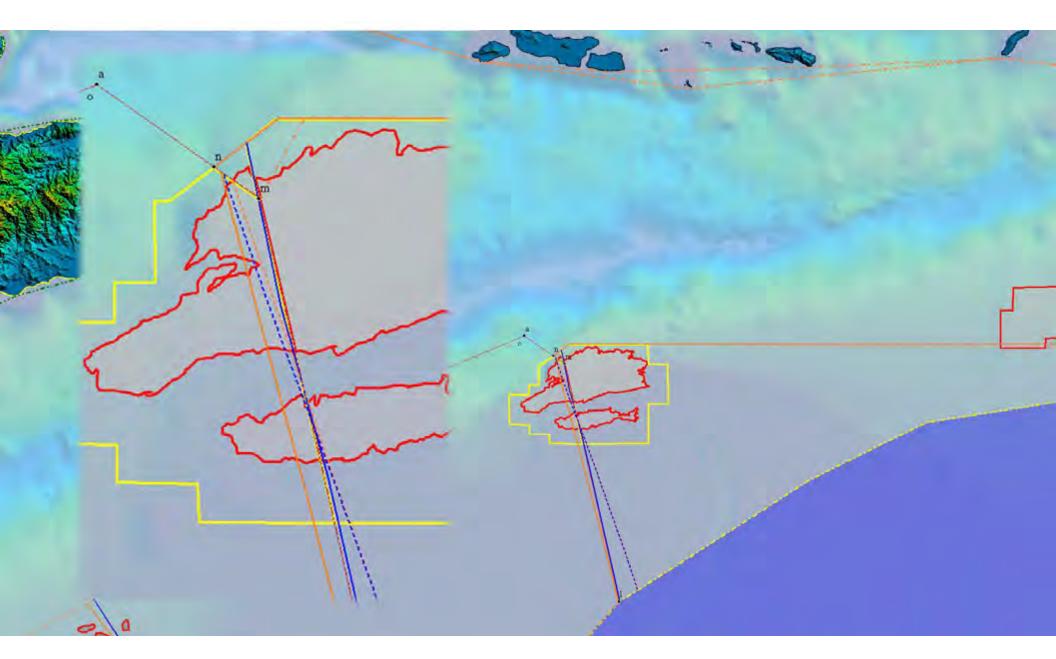
If baselines were to be chosen to determine the lines of equidistance, jurisdiction over 126 km2 of unit surface area (within yellow straight lines) and 85 km2 of field outline surface area (within the red lines) is lost by the JPDA, which represents 6.9% of the total field outline surface area. East Timor loses 29% of its jurisdiction over the Greater Sunrise fields.

Option: ignoring slightly populated islands



Assuming that Miarang Island is ignored because of its very small population would require, in all fairness, that Jaco Island is also ignored, because of its zero population.

Option: ignoring slightly populated islands



The new coastline-defined boundary is the dashed blue line; the new baseline-defined boundary is the dashed N/S orange line. The effect is mostly to the detriment of East Timor, although East Timor would gain some EEZ south of the fields.

Population of Miarang Islands



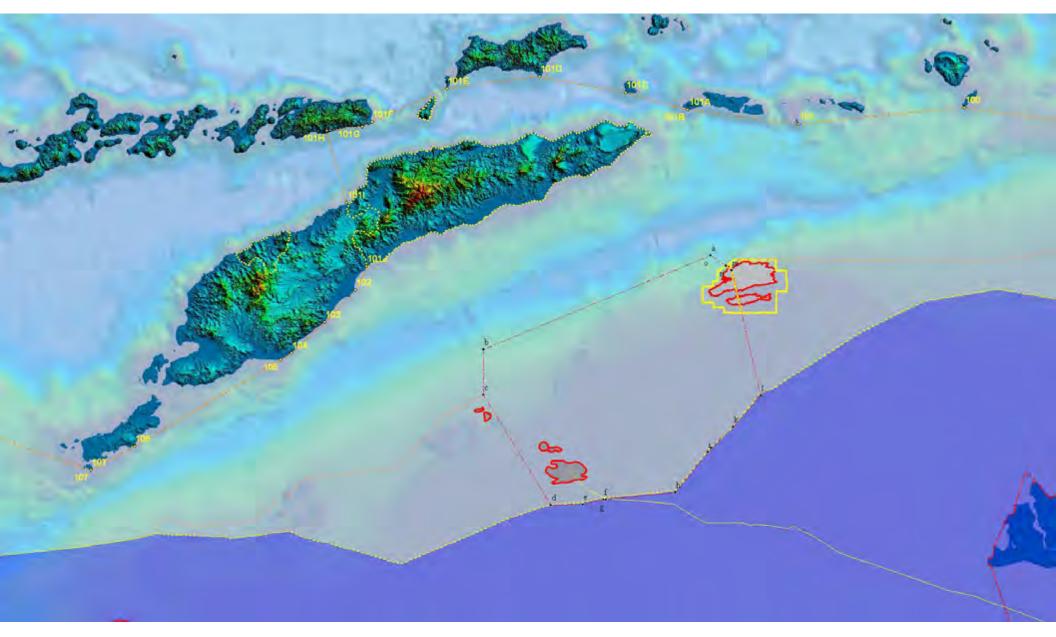


The Indonesian main island of Miarang is slightly populated with visible signs of human activity. It bears an active, manned, 24 m high navigation lighthouse visible from 27 nautical miles and a radar transponder beacon (Racon). Miarang main island is 3 km long.

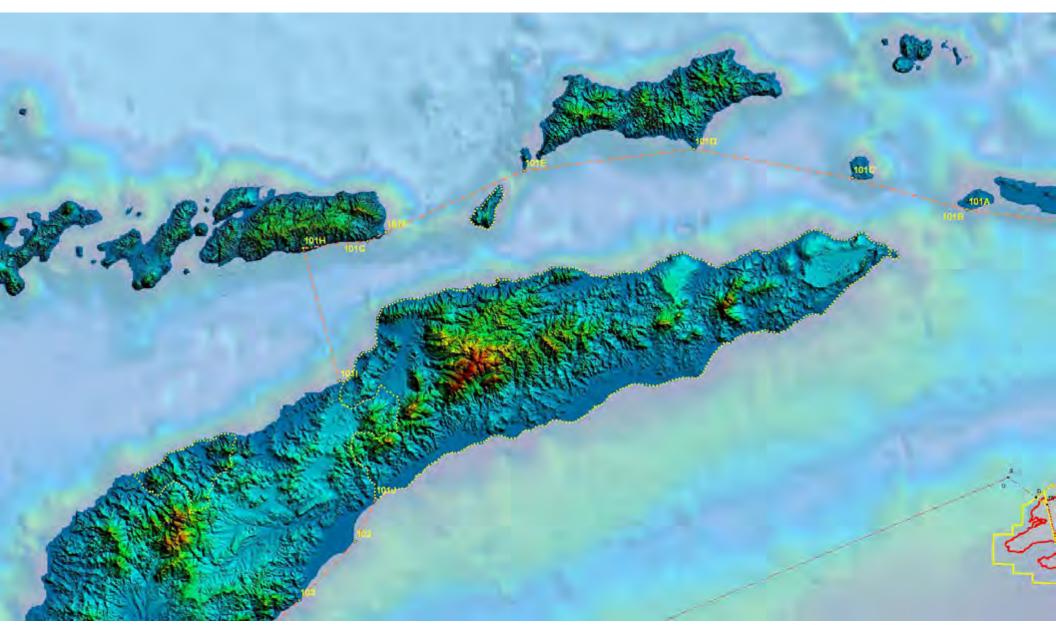
Population of Jaco Island



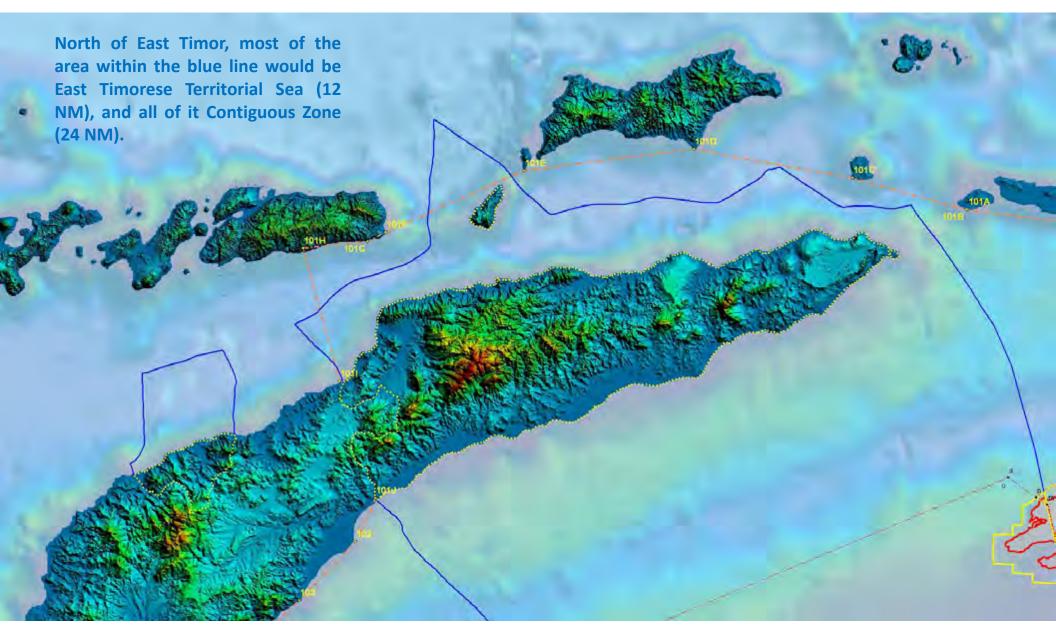
East Timor's Jaco Island is uninhabited. It bears an abandoned and extinguished 47 m high navigation lighthouse that used to be visible from a distance of 14 nautical miles. Jaco Island is 4 km long.



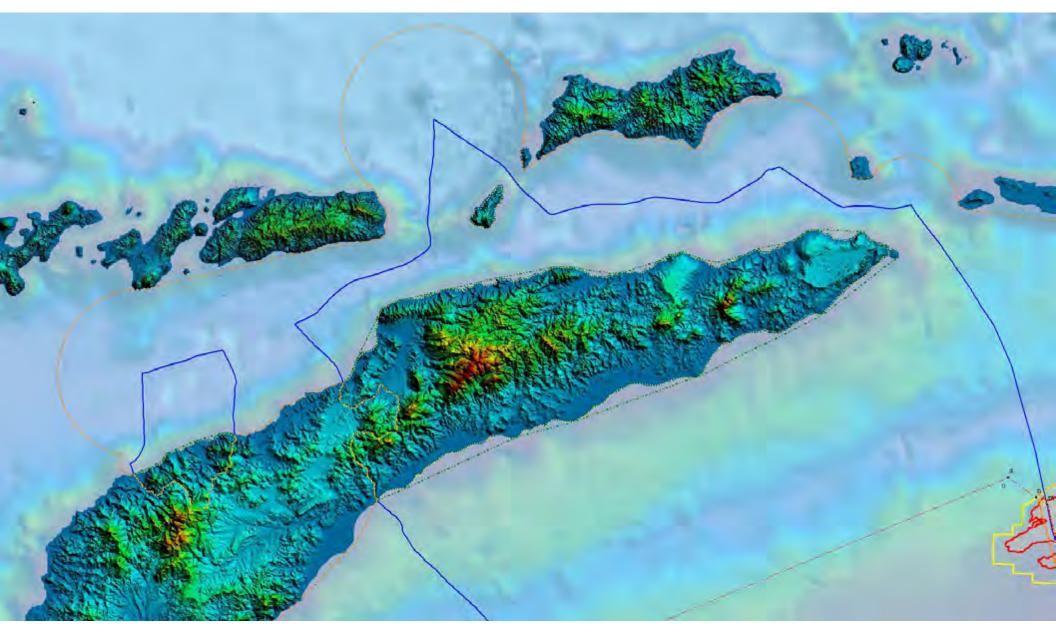
The only existing official boundaries are those of the JPDA, the Australia-Indonesia treaty lines and the Indonesian published baseline. No maritime or EEZ boundary for East Timor outside of the JPDA has been formally defined. East Timor formally controls the EEZ inside of the JPDA, pursuant to CMATS.



North of East Timor and south of the Lesser Sunda Islands and the Moluccas, the Indonesian government established baselines that in effect isolate the exclave of Oecusse, in contravention of paragraph 5 of Article 47 of UNCLOS (the system of such baselines shall not be applied by an archipelagic State in such a manner as to cut off from the high seas or the exclusive economic zone the territorial sea of another State).

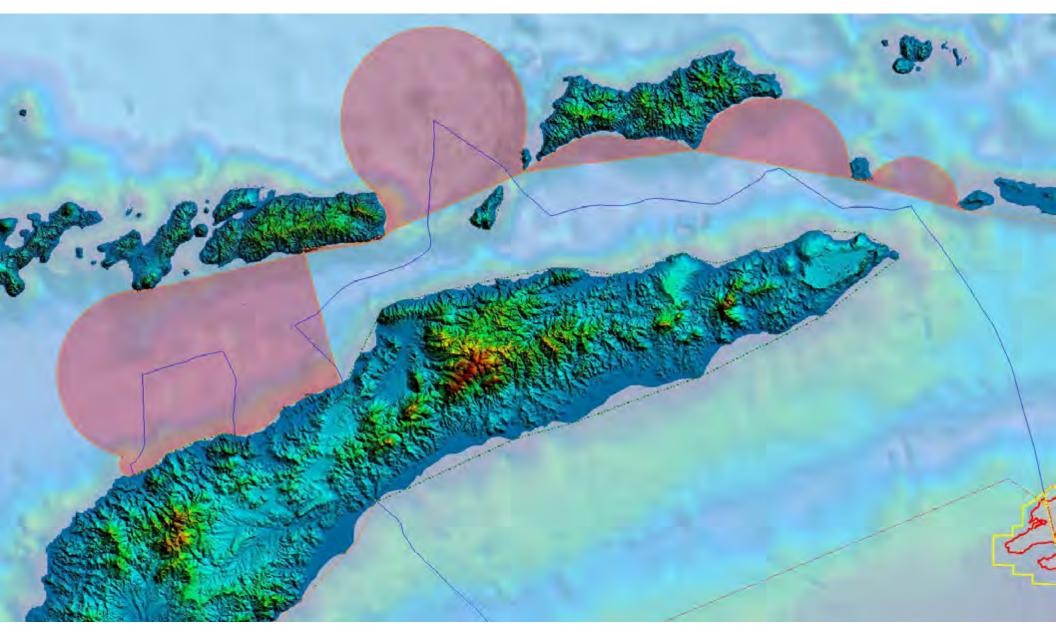


In addition, the Indonesian baseline intersects the blue line of equidistance between the coastlines of East Timor and Indonesia, as depicted above. North of East Timor, most of the area within the blue line would be East Timorese territorial sea. The baseline will need to be redefined by Indonesia as a precondition to any maritime boundary negotiation. As an archipelagic nation, Indonesia considers any point inside its baseline as being within its internal waters and therefore within its sovereign national territory. $_{45 \text{ of } 57}$

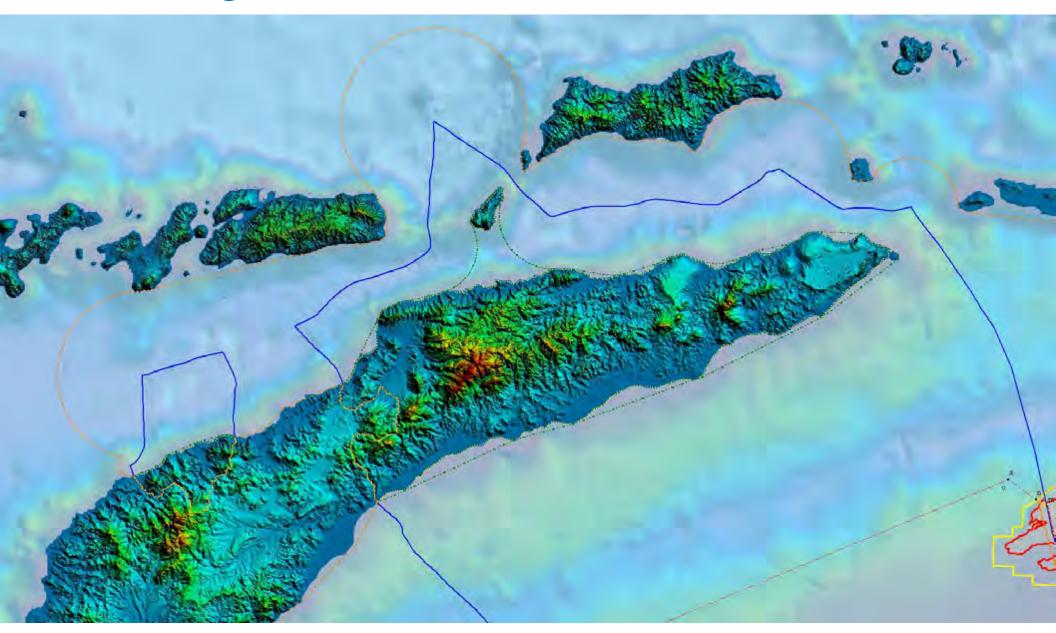


One option for redefining the Indonesian baseline is depicted above (dashed orange line). The new baseline should leave equal space on each side of the boundary to each country and should provide access to Oecusse from East Timorese waters. The process of redefining Indonesian sovereign national territory is likely to be quite complex and time consuming but needs to be urgently undertaken.

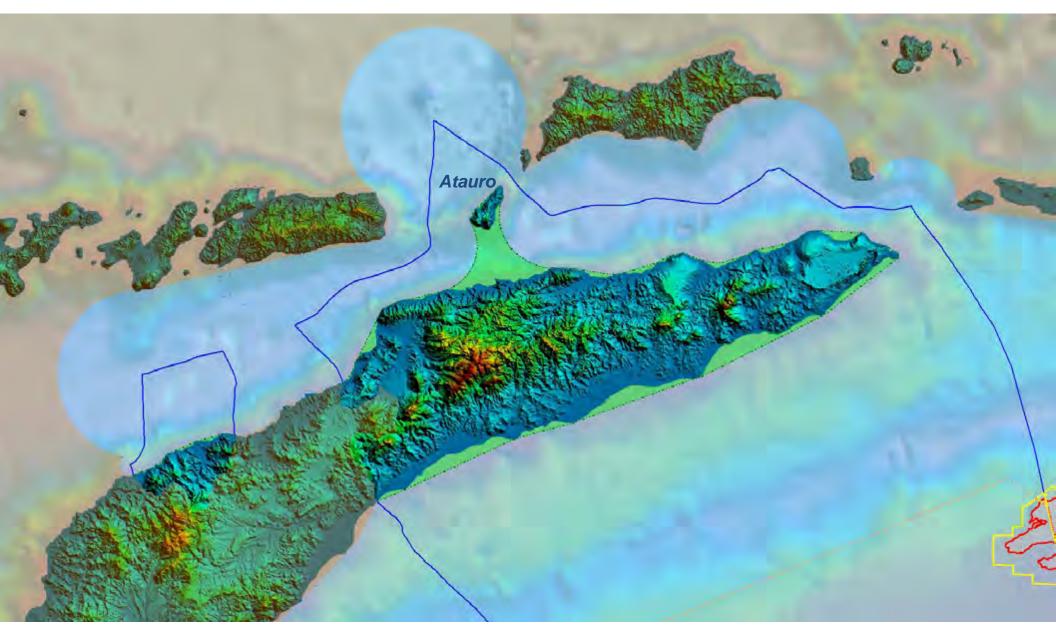
46 of 57



The pink area represents internal archipelagic waters lost by Indonesia in the process of redefining her baselines. Its surface area is 18,250 sq. km. Length of affected baseline: 750 km.

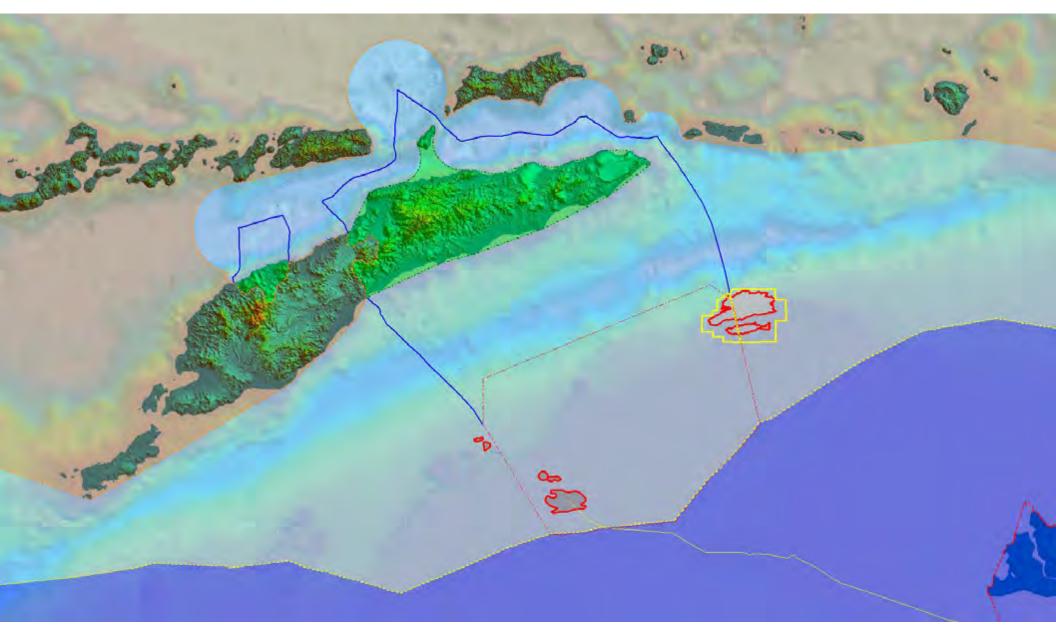


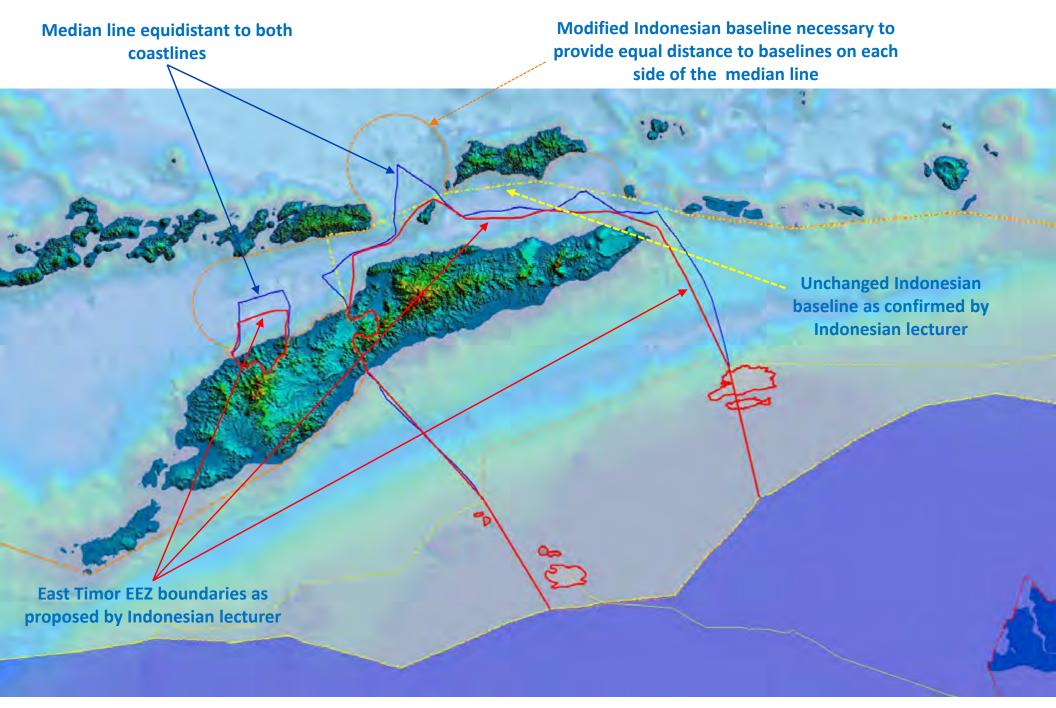
Tentative baselines for East Timor are depicted above (dashed green lines). The blue line represents equidistance between coastlines as well as between revised baselines drawn in such a way as not to affect geographic equidistance. It is suggested that equidistance between the coastlines is a more equitable method for determining the boundaries.



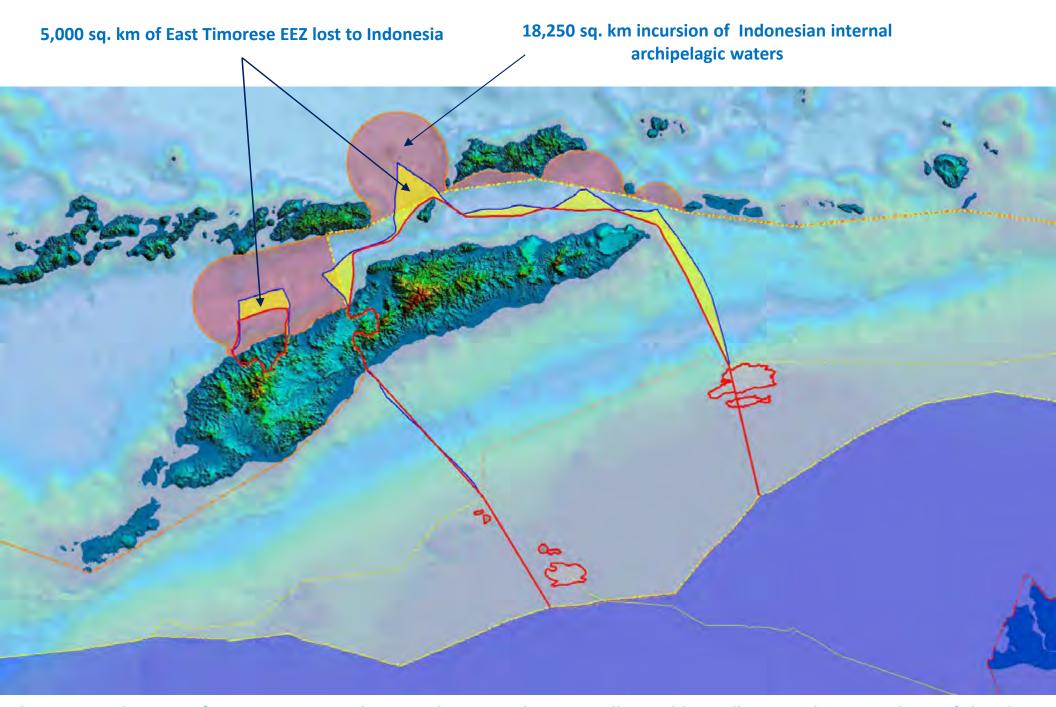
To mirror Indonesia's status as an archipelagic state, East Timor has the option to request from UNCLOS similar status, and claim as sovereign internal waters part of the channel separating the main island from the island of Atauro. This expanse of sovereign internal waters south of Atauro would not affect the equidistance boundary between Indonesia and East Timor. The proposed 1,905 sq. km revised East Timorese sovereign internal archipelagic waters are highlighted in green, the Indonesian in orange. 49 of 57

The proposed set of boundaries in and outside the JPDA



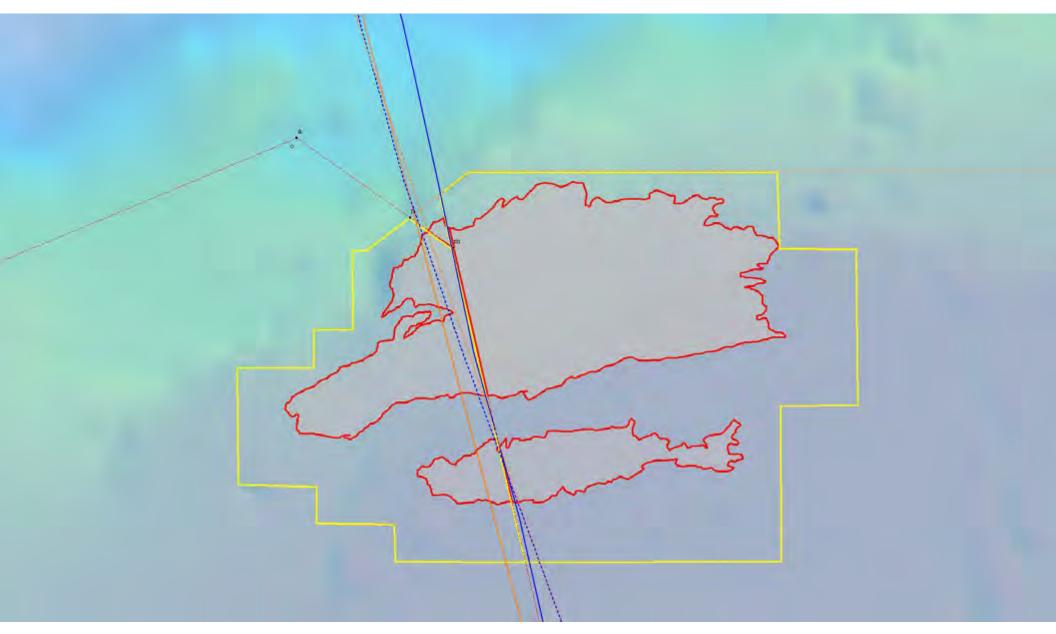


However, the East Timorese EEZ proposed by an Indonesian lecturer on Feb. 15, 2016 at a conference held at Monash University in Melbourne, is significantly contracted - by as much as 5,000 sq. km, or 6.5% of East Timor's total EEZ area - when compared with that defined by true lines of equidistance between coastlines. It also seems, from the lecturer's remarks, that Indonesia is not prepared to alter her baseline, which in effect isolates the exclave of Oecusse, in contravention of Article 47 of UNCLOS.



The 5,000 sq. km area of East Timorese EEZ lost to Indonesia is shown in yellow. Additionally, not redrawing Indonesia's baseline would result in a 18,250 sq. km incursion of Indonesian internal archipelagic waters upon areas which should be considered non-archipelagic if the geography of East Timor is to be taken into account. This incursion compares with the total 1,905 sq. km of internal archipelagic waters proposed for East Timor in page 49.

Note about the complete set of boundaries

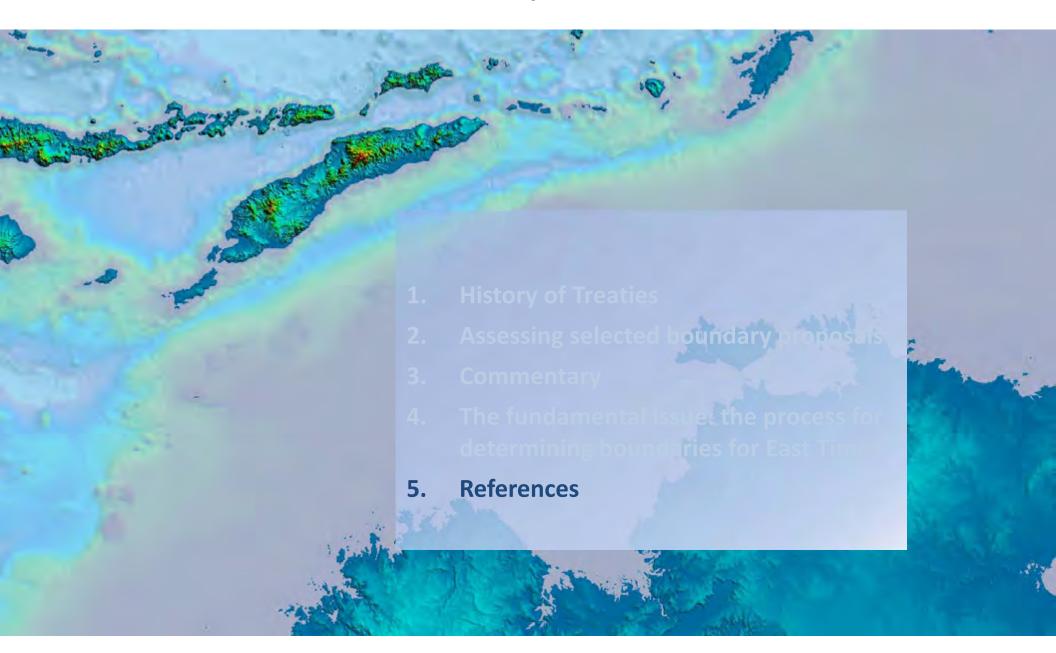


Note: the coastline equidistant option seems to place a small triangle in the north end of the fields outside the JPDA and under East Timor's exclusive jurisdiction.

Defining maritime boundaries for East Timor: summary

- 1. The lateral boundaries of the JPDA almost exactly follow the lines of equidistance between coastlines, while the southern boundary is actually shifted a few miles towards Australia with respect to the line of equidistance between the 12 nautical mile territorial limits
- 2. In defining its EEZ East Timor would be better served overall by a negotiating position which adopts coastlines rather than baselines to inform equidistance calculations
- 3. Indonesia must redefine its baselines as a precondition to any maritime boundary negotiation with East Timor
- 4. Seeking to minimize the influence of the low population islands of Jaco and Miarang is unlikely to produce any substantial advantage and could even result in net loss of maritime jurisdiction for East Timor

Up



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