

**UNDERSEA FEATURE NAME PROPOSAL**  
(See IHO-IOC Publication B-6 and NOTE overleaf)

Note: The boxes will expand as you fill the form.

<b>Name Proposed:</b>	Fengyan Seamount	<b>Ocean or Sea:</b>	Indian Ocean
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<b>Geometry that best defines the feature (Yes/No) :</b>						
Point	Line	Polygon	Multiple points	Multiple lines*	Multiple polygons*	Combination of geometries*
		Yes				

\* Geometry should be clearly distinguished when providing the coordinates below.

	Lat. (e.g. 63°32.6'N)	Long. (e.g. 046°21.3'W)
<b>Coordinates:</b>	37°52.9'S (Top)	48°24.3'E (Top)
	37°50.2'S (Bottom)	48°24.0'E (Bottom)
	37°49.8'S	48°26.5'E
	37°49.8'S	48°28.9'E
	37°51.0'S	48°30.5'E
	37°53.0'S	48°31.1'E
	37°55.1'S	48°31.3'E
	37°56.3'S	48°29.8'E
	37°56.8'S	48°27.4'E
	37°56.9'S	48°24.7'E
	37°56.3'S	48°22.2'E
	37°56.3'S	48°19.3'E
	37°56.5'S	48°16.1'E
	37°54.9'S	48°16.1'E
	37°53.3'S	48°17.6'E
	37°51.9'S	48°19.6'E
	37°50.8'S	48°21.8'E
37°50.2'S	48°24.0'E	

<b>Feature Description:</b>	Maximum Depth:	2500 m	Steepness :	
	Minimum Depth :	1100 m	Shape :	elongated shape
	Total Relief :	1400 m	Dimension/Size :	27 km*16 km

<b>Associated Features:</b>	This seamount is located in the Southwest Indian Ridge. It has an elongated shape and extends towards nearly E-W.
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<b>Chart/Map References:</b>	Shown Named on Map/Chart:	
	Shown Unnamed on Map/Chart:	GEBCO 5.09
	Within Area of Map/Chart:	

<b>Reason for Choice of Name</b> (if a person, state how associated with the feature to be named):	Feng Yan (age unknown) lived in Middle Tang Dynasty of China. He wrote a famous book which first proposed the viewpoint that the moon's interaction with sea water causes tide, which clearly discussed the tide variation during a month. The seamount is named after "Fengyan" to memorize his contributions to study on tide.
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<b>Discovery Facts:</b>	Discovery Date:	2010
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	Discoverer (Individual, Ship):	Chinese R/V Dayang Yihao
<b>Supporting Survey Data, including Track Controls:</b>	Date of Survey:	2010, 2016
	Survey Ship:	Chinese R/V Dayang Yihao
	Sounding Equipment:	Norway EM120 Multi-beam Echo Sounding System
	Type of Navigation:	StarFire2050M Wide Area Differential GPS
	Estimated Horizontal Accuracy (nm):	0.0053 sea mile (10 m)
	Survey Track Spacing:	1.2 sea mile
	Supporting material can be submitted as Annex in analog or digital form: see Annex	
<b>Proposer(s):</b>	Name(s):	China Ocean Mineral Resources R&D Association (COMRA)
	Date:	July 1, 2017
	E-mail:	jin@comra.org
	Organization and Address:	Fuxingmenwai Street No.1, Beijing, China China Ocean Mineral Resources R&D Association
	Concurrer (name, e-mail, organization and address):	
<b>Remarks:</b>	<p>The proposal has been reviewed and approved by Sub-Committee on Undersea Feature Names of China Committee on Geographical Names (CCUFN). No.1, Fuxingmenwai Street, Xicheng District, Beijing, China, 100860 heyunxu@sina.com</p>	

**NOTE :** This form should be forwarded, when completed :

- a) **If the undersea feature is located inside the external limit of the territorial sea** :-  
to your "National Authority for Approval of Undersea Feature Names" (see Publication B-6) or, if this does not exist or is not known, either to the IHO or to the IOC (see addresses below);
- b) **If at least 50 % of the undersea feature is located outside the external limits of the territorial sea** :-  
to the IHO or to the IOC, at the following addresses :

International Hydrographic Organization (IHO) 4, Quai Antoine 1er B.P. 445 MC 98011 MONACO CEDEX Principality of MONACO Fax: +377 93 10 81 40 E-mail: <a href="mailto:info@iho.int">info@iho.int</a> Web: <a href="http://www.iho.int">www.iho.int</a>	Intergovernmental Oceanographic Commission (IOC) UNESCO Place de Fontenoy 75700 PARIS France Fax: +33 1 45 68 58 12 E-mail: <a href="mailto:info@unesco.org">info@unesco.org</a> Web: <a href="http://ioc-unesco.org/">http://ioc-unesco.org/</a>
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# ANNEX

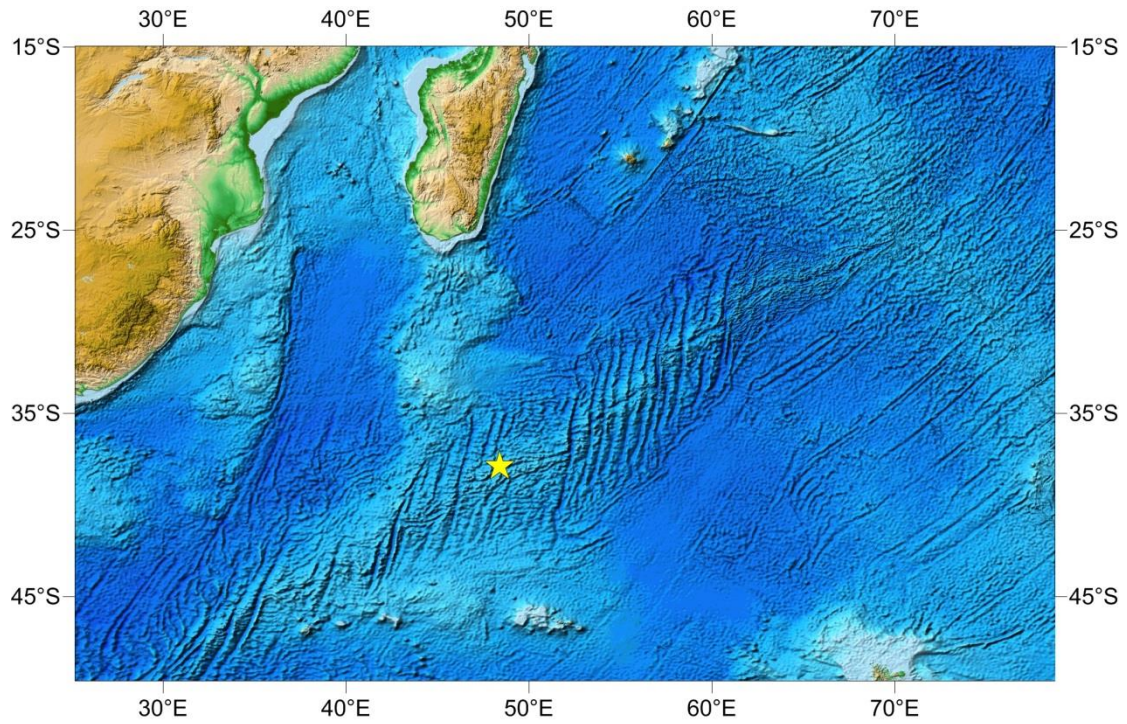


Fig. 1 Location of Fengyan Seamount

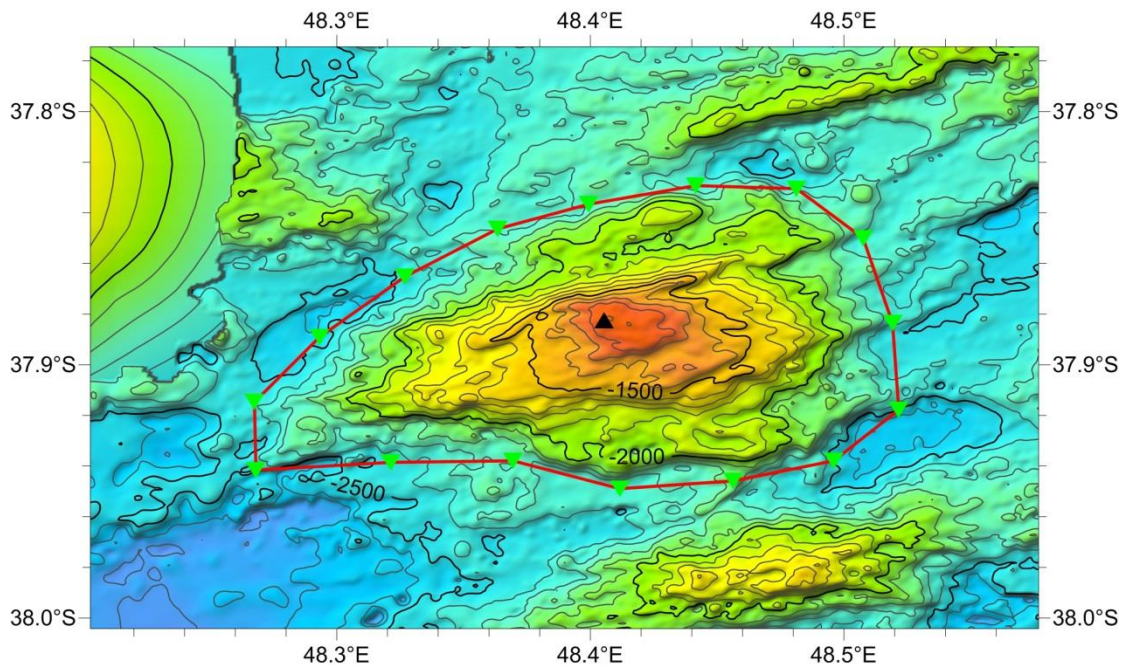


Fig. 2 Bathymetric map of Fengyan Seamount (Contours are in 100 m)

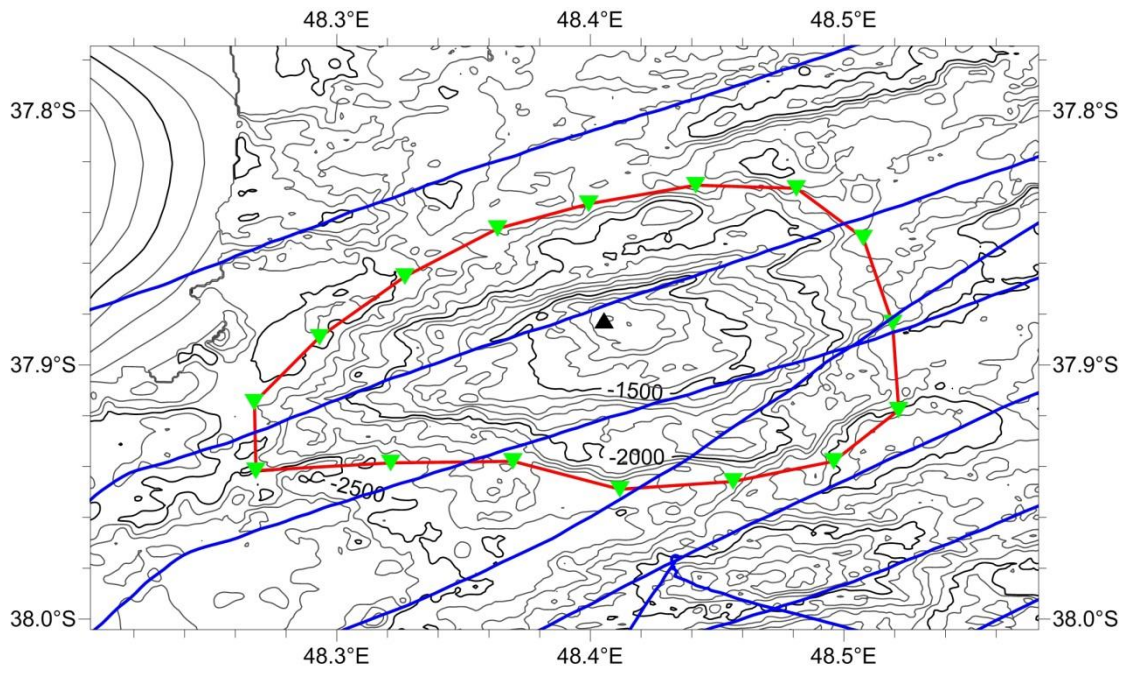


Fig. 3 Bathymetric and survey line map of Fengyan Seamount (Contours are in 100 m, blue ones are survey lines)

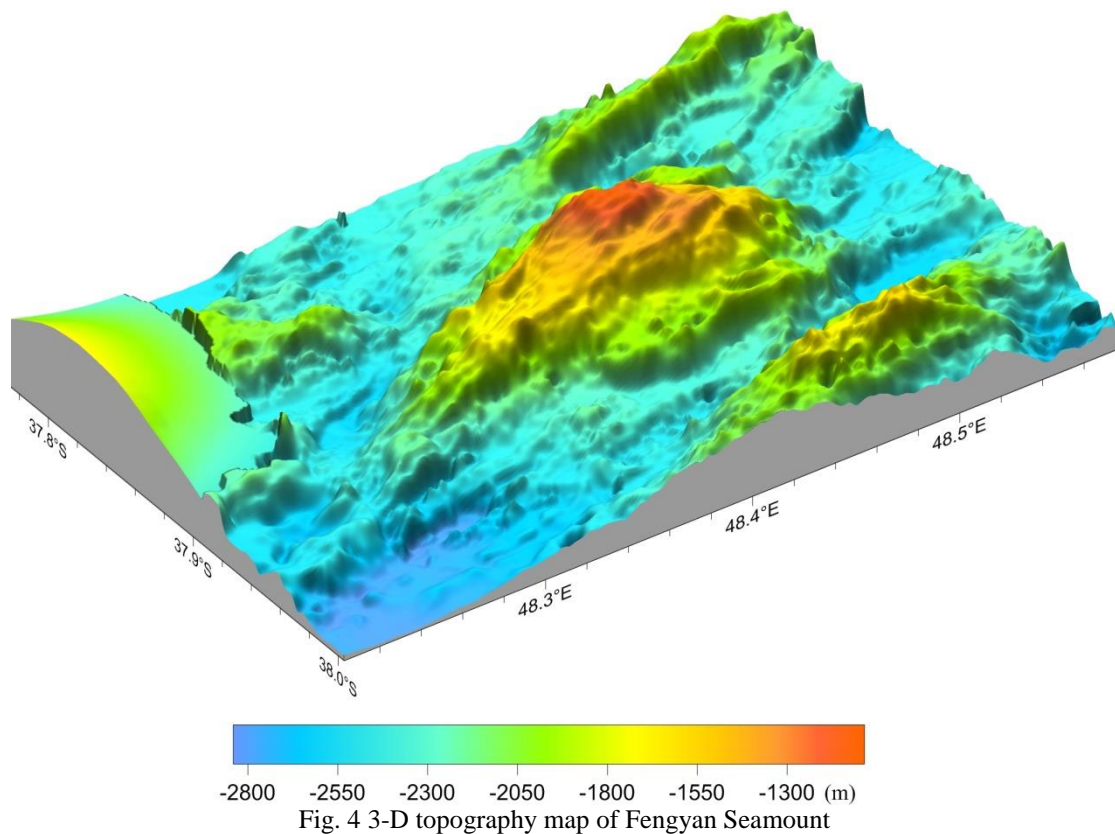


Fig. 4 3-D topography map of Fengyan Seamount

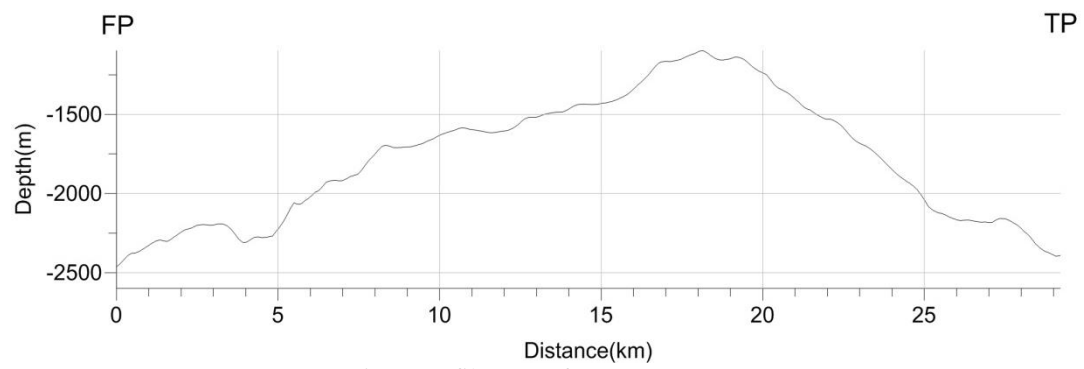
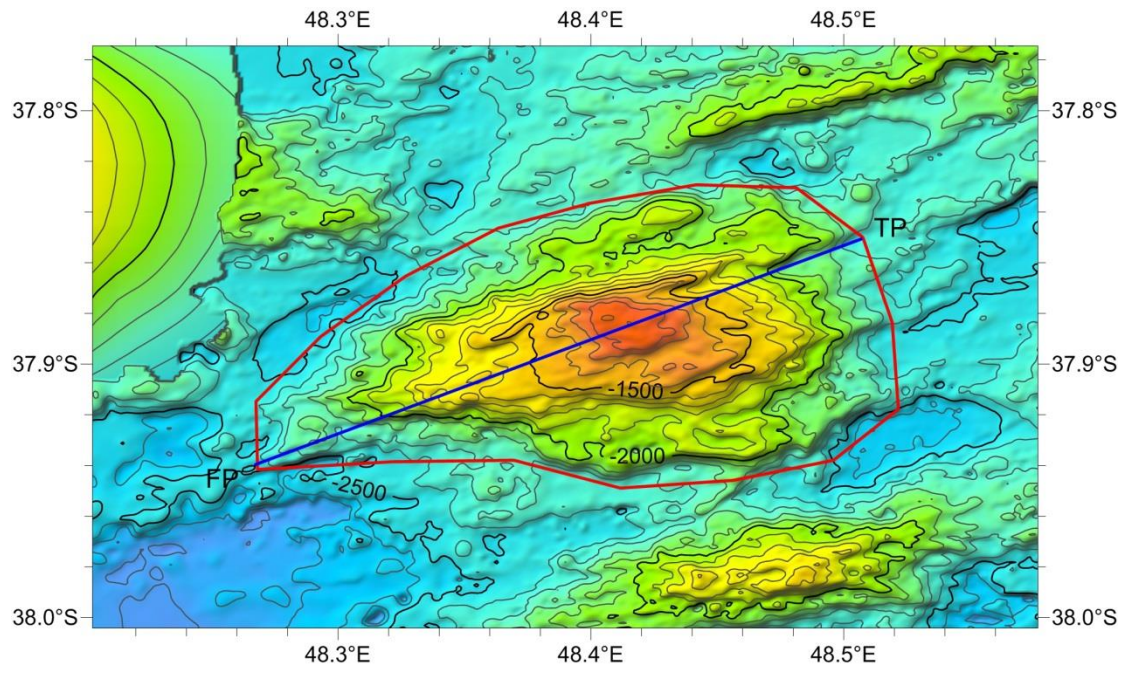


Fig. 5 profile map of Fengyan Seamount