## FUTURE in Lyme Bay

"The groundbreaking conservation and management initiative now under way in Lyme Bay is likely to be a sign of things to come in fisheries management".

- Fishing News

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# SCIENCE in Lyme Bay

We are funding a major scientific study by the University of Plymouth, which seeks to quantify the amount of sustainable fishing the Lyme Bay reefs can withstand.

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THE TIMES | Monday September 14 2015 1GM

### Hi-tech salvation for Easter Island's fish

Ben Webster Oceans Correspondent Easter Island

A giant marine reserve is to be created around the world's most remote inhabited island, where the ocean will be protected from illegal industrial fishing by a satellite tracking system developed in Oxfordshire.

The 300,000-square mile reserve around Easter Island in the South Pacific will be the first of a new generation of marine parks created over the next five years.

The island, famous for the scowling stone heads, or Moai, which line its coast, is where the indigenous Rapa Nui society collapsed because they failed to protect their natural resources and chopped down every tree, it is claimed.

Descendants of the few survivors want to be known as a people who recognise the importance of protecting the oceans, which are under threat globally with up to 90 per cent of large fish gone. Endangered species found in the waters around Easter Island include green turtles and hammerhead sharks.

Chile is expected to announce next month that it intends to create the Easter Island marine reserve, subject to final approval of the detail by the Rapa Nui. At least eight more large marine reserves have been proposed around the world, including three around British islands: Pitcairn, Ascension and South Georgia and the South Sandwich Islands.

Satellite tracking technology developed near Didcot in Oxfordshire under a government-funded "Catapult" initiative will be key to enforcing the reserve.

Chile has a tiny navy and, even if it had a spare ship to chase suspected illegal fishing vessels, it would take a frigate five days at top speed to reach Easter Island. Under a deal agreed with the Catapult, Chile will use the technology to monitor vessels remotely The



The Rapa Nui, the indigenous inhabitants of Easter Island whose ancestors carved the stone heads that line its coast, back the reserve but they want to manage it

Back from their trees, depriving them of the material needed for civilised the brink society to continue. The Rapa Nui are of collapse acutely aware that this theory has turned their ethnic group into an allegory for he featest

Analysis

by factory ships for a decade-long downturn in fish stocks that have only recently begun to recover. Mike Rapu, a

former freediving champion who now



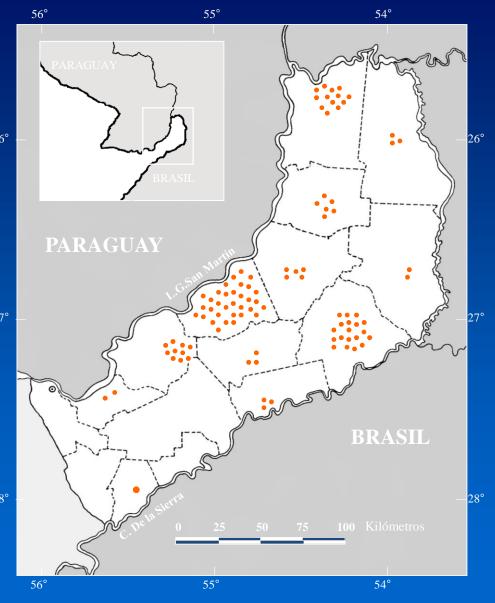
The vast majority of the 3,000 Rapa Nui are in favour of the reserve but they want to manage it themselves.

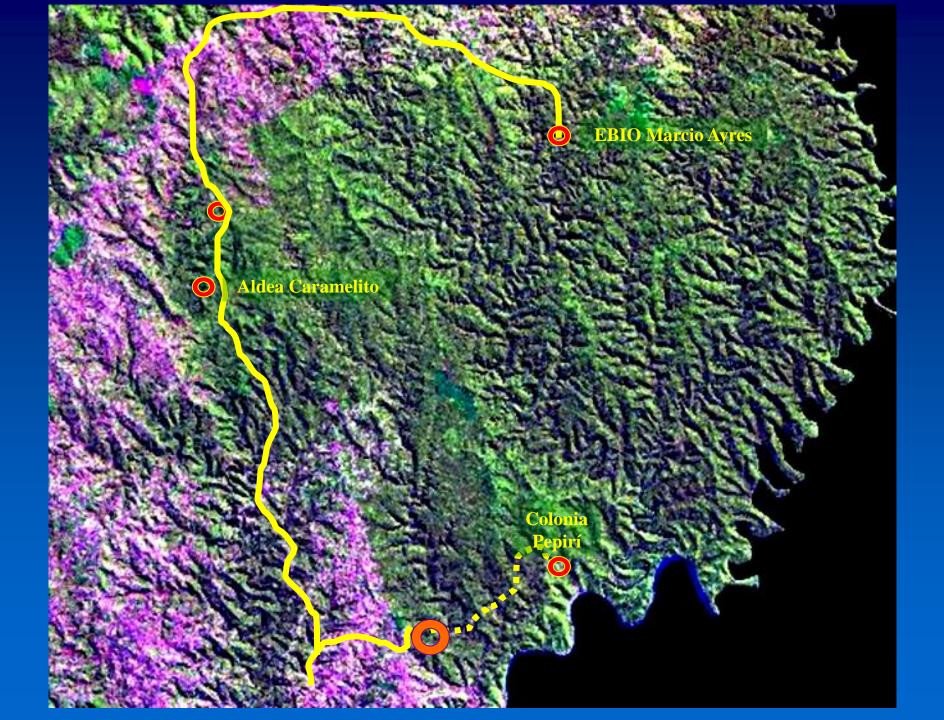
Pew Charitable Trusts had proposed that the Rapa Nui should be allowed to continue their low-impact fishing from small boats within 25 miles of the island. There would be a "no take zone" banning fishing and seabed mining from 25 miles out to the 200-mile limit



#### **GUARANÍ POPULATION IN MISIONES**

• $\approx 50$ persons			4
DEPARTAMENT	POPULATION		
Lib.Gral.San Martín	1578		
Guaraní	884	26°	
Iguazú	644		
San Ignacio	494		
Eldorado	299		
Montecarlo	259		
Gral. M.Belgrano	161	27° —	
Cainguás	160		
25 de Mayo	135	7	7
Candelaria	113		`
San Pedro	105		
C. de la Sierra	63	28°	
TOTAL	4895		





















## Results for the Guaraní generated through our project

- Involvement as forest rangers
- Improved relations with Provincial Government
- Income from forest ethnobotany trails
- Income from wood carvings
- Protection from timber barons
- 5000 hectares purchased in 2013 and added to the Yaboti Biosphere Reserve

### ARECASTRUM ROMANZOFFIANU PINDO



