Perspektif Pengelolaan Lobster Australia

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Photo credit: https://www.beerenberg.com.au/111/Ferguson-Australia-Lobsters; https://www.rottnestcruises.com/gallery/; https://www.frdc.com.au/media-publications

Struktur Diskusi

1. Nilai Perikanan Tangkap Lobster Australia dan proyeksinya
2. Pengelolaan Perikanan Lobster
3. Perikanan Tangkap Lobster dan Budidaya Lobster Australia
4. Apa yang bisa diambil bagi Perikanan Tangkap Lobster dan Budidaya Lobster Indonesia

Photo credit: https://www.aquaculturealliance.org/advocate/hatchery-production-spiny-lobsters/

Nilai Perikanan Tangkap Lobster Australia dan proyeksinya

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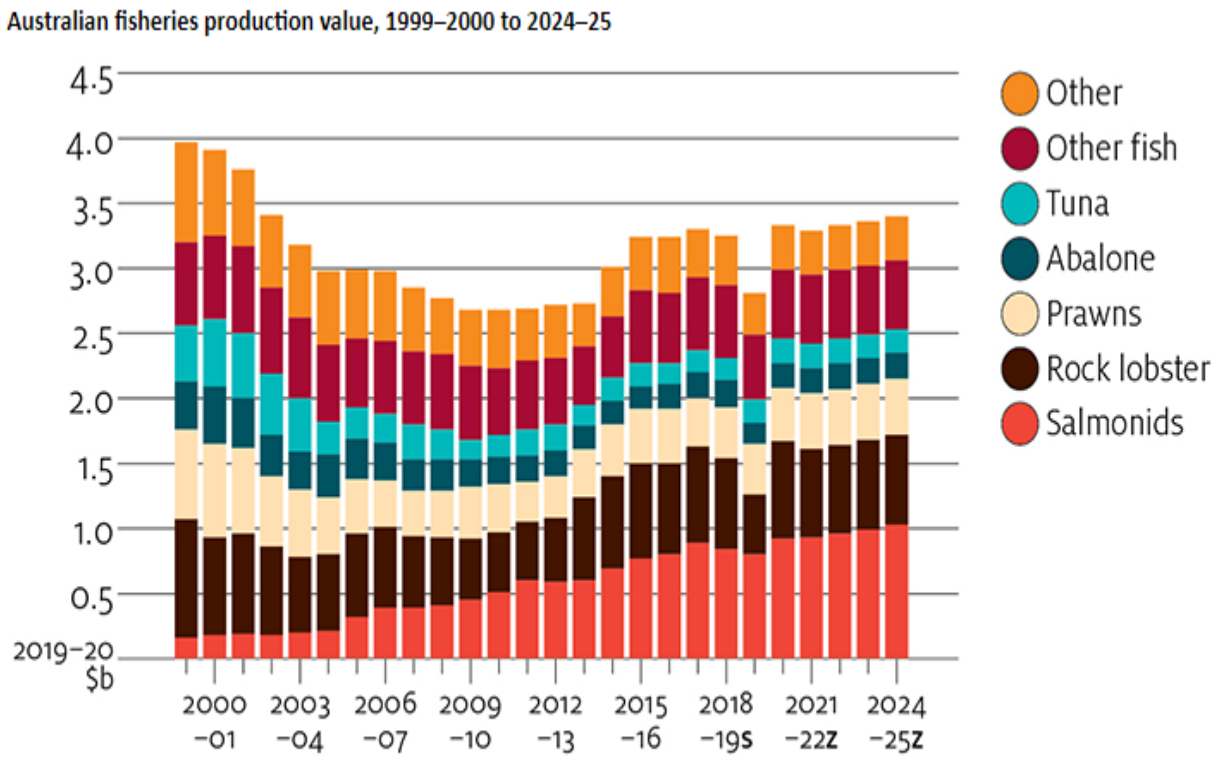
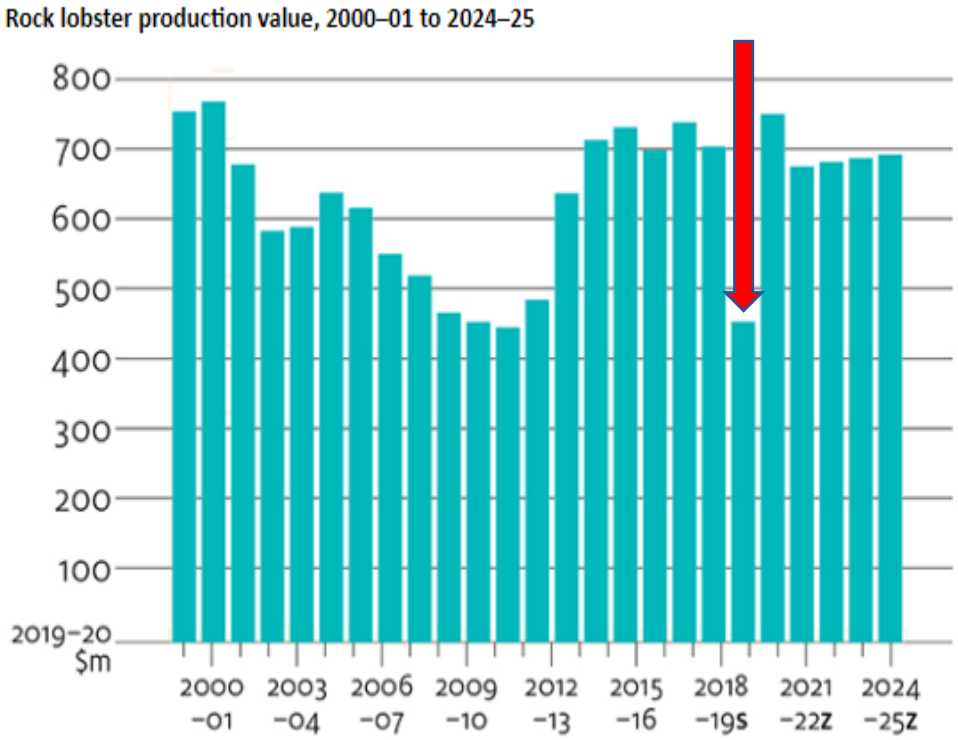
Nilai Perikanan Tangkap Lobster Australia dan Proyeksinya

600 M AUD = 6 T IDR



f ABARES forecast. z ABARES projection.
Source: ABARES



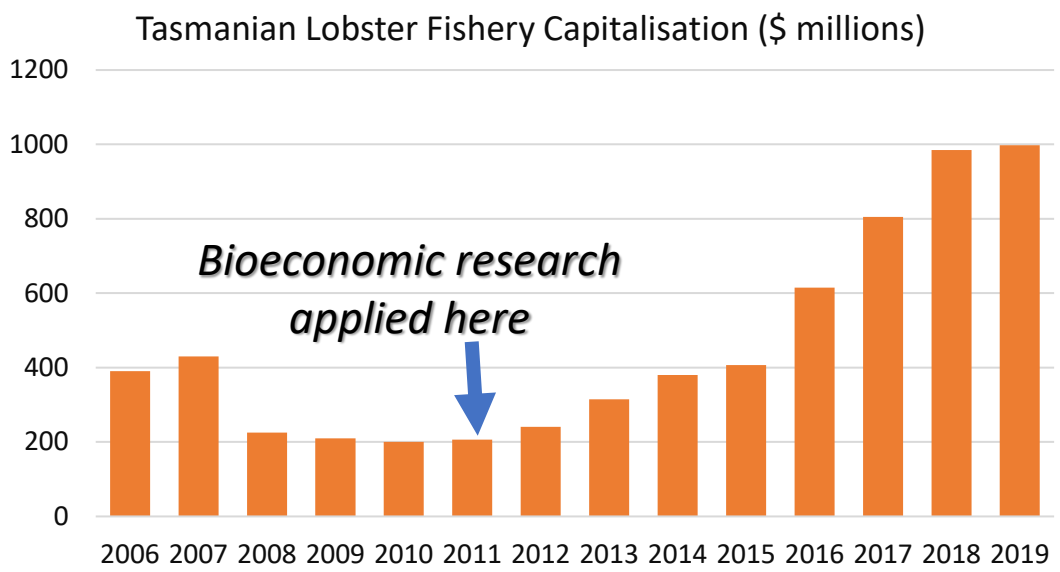
f ABARES forecast. z ABARES projection.
Sources: ABARES

https://www.agriculture.gov.au/abares/research-topics/fisheries/fisheries-economics/fisheries-forecasts

Pengelolaan Perikanan Lobster Australia (Tasmania)

Photo credit: http://www.tasrocklobster.com/

Increase in economic value of the Tasmanian Lobster Fishery

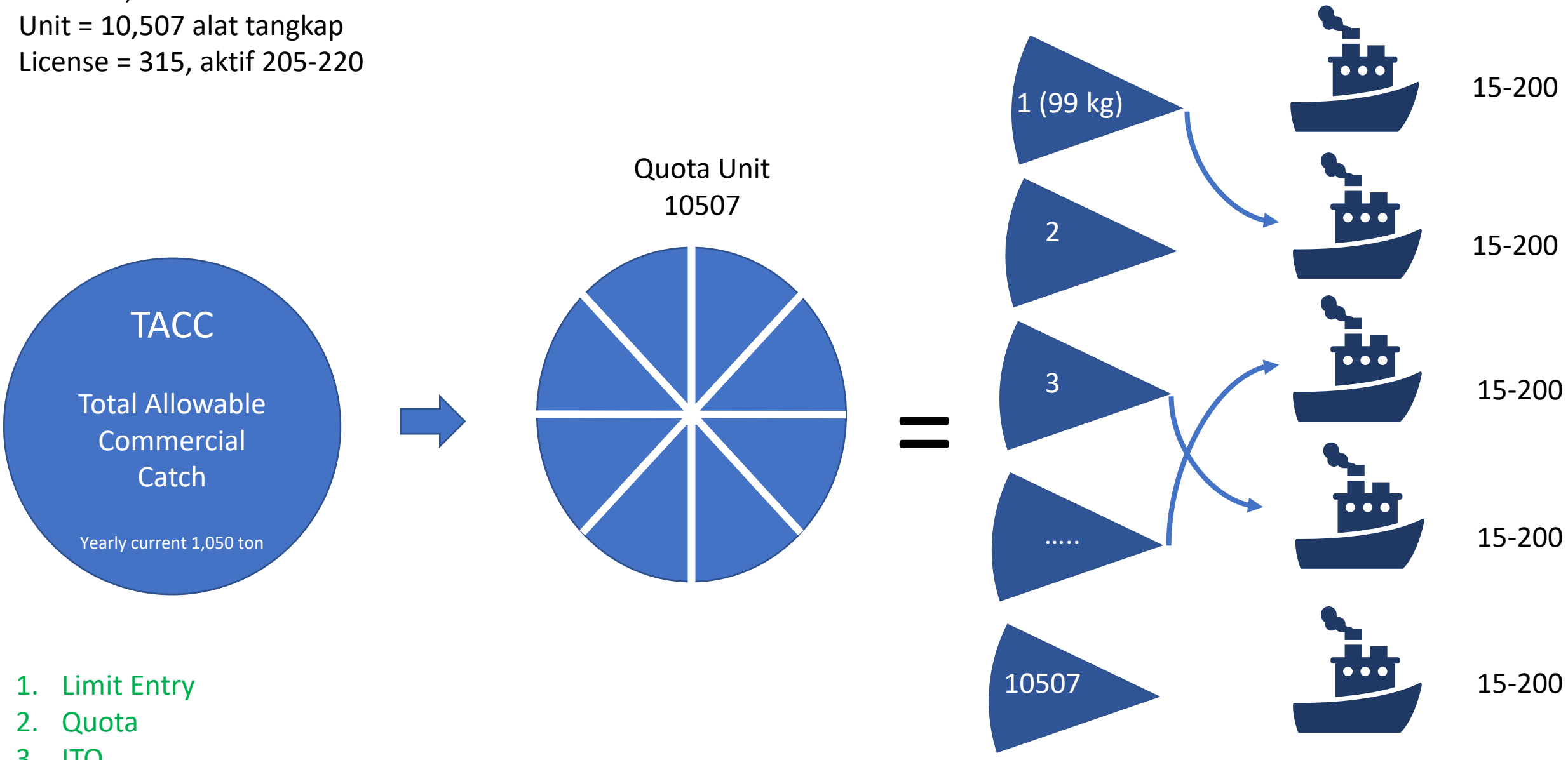


Economic Size 2020 = $1 Billion

What did we do differently?

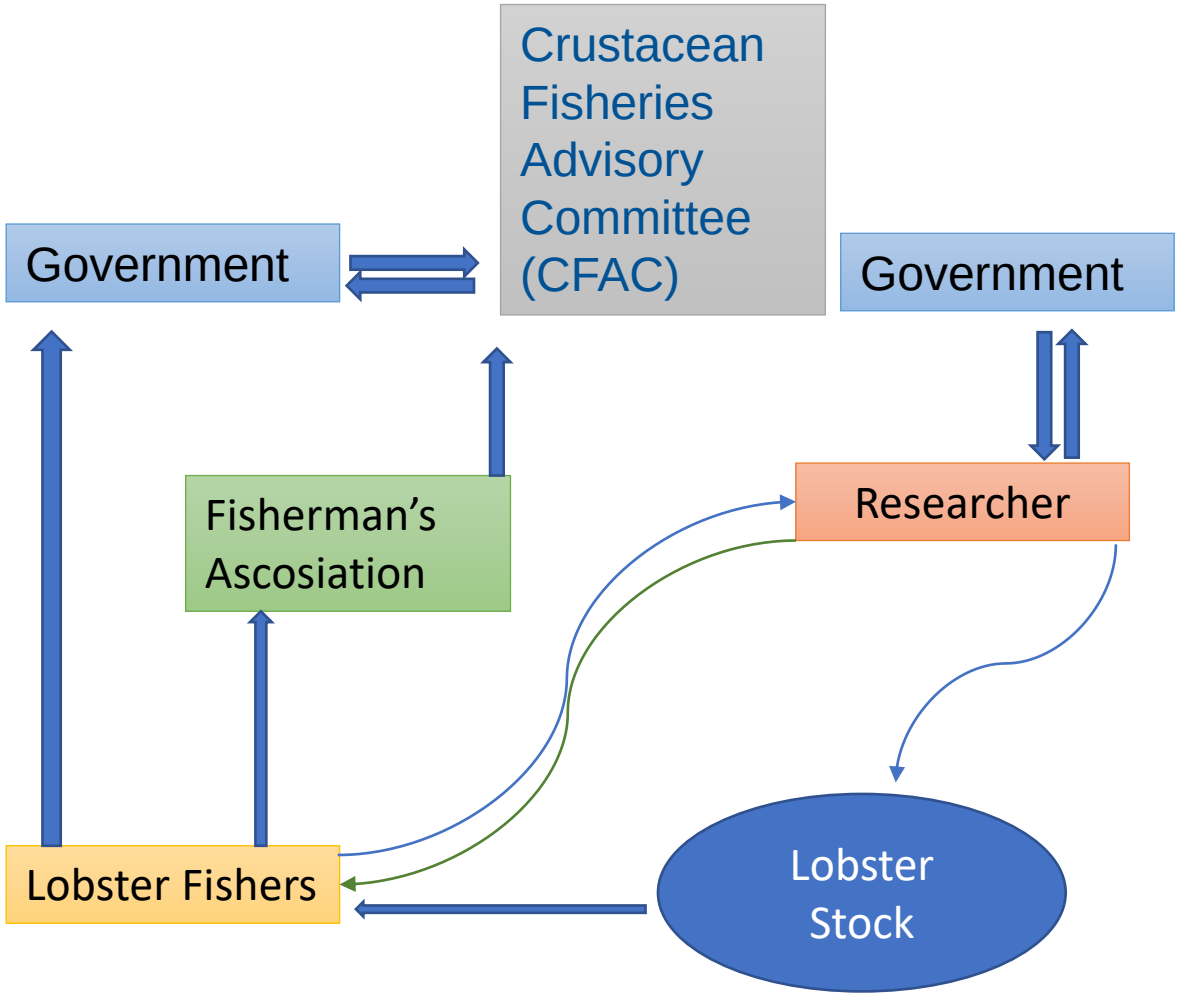
TACC = 1,050 ton
Unit = 10,507 alat tangkap
License = 315, aktif 205-220

ITQs – Individual Transferable Quota



Current 205-220
Max 315

1. Limit Entry
2. Quota
3. ITQ
4. Size Limit
5. Closure Season and Area



Tasmanian Government

Department of Primary Industries, Parks, Water & Environment
ABN 58 259 330 901
LIVING MARINE RESOURCES MANAGEMENT ACT

A GPO Box 44 HOBART TAS 7001
T (03) 6165 3000
E fisheries.licensing.tas.gov.au
W dpipwe.tas.gov.au

Commercial Fishing Application Fees – 01 July 2020 to 30 June 2021

	Application	Fee
	Permanent and Seasonal Transfer of Units or Pots	
	Application for the Seasonal Transfer of Quota Units/Pots/Research Rock Lobster, Giant Crab, Banded Morwong or Scallop	$81.00
1	**Application for the Permanent Transfer of Quota Units/Pots** Rock Lobster, Giant Crab, Banded Morwong or Scallop	$162.00
	Transfer a Licence	
	Application for the Transfer Tasmanian Commercial Fishing Licence	
	(a) Vessel Related Licences	
2	Vessel – full standard fee	$2,430.00
	Vessel – reduced fee, applies to the following cases only*: • Return transfer to previous licence holder within 2 years • Compliance with a Court Order • Settlement of an Estate • Persons related by family (*Sect 7 of the Relationships Act 2003*) *Please note that the reduced fee applies only to the fishing licence (vessel). All other licence types associated with the transfer will incur the full fee.	$162.00
	Australian Salmon	$405.00
	Automatic Squid Jig	$405.00
	Banded Morwong	$405.00
	Beach Seine A or B	$405.00
	Giant Crab	$405.00
	Octopus	$405.00
	Purse Seine Net	$405.00
3	Rock Lobster	$810.00
	Scalefish A or B	$405.00
	Scallop	$405.00
	Small Mesh Gillnet	$405.00
	Southern Calamari	$405.00

https://dpipwe.tas.gov.au/Documents/2020-2021%20Commercial%20Fishing%20Application%20Fees.pdf

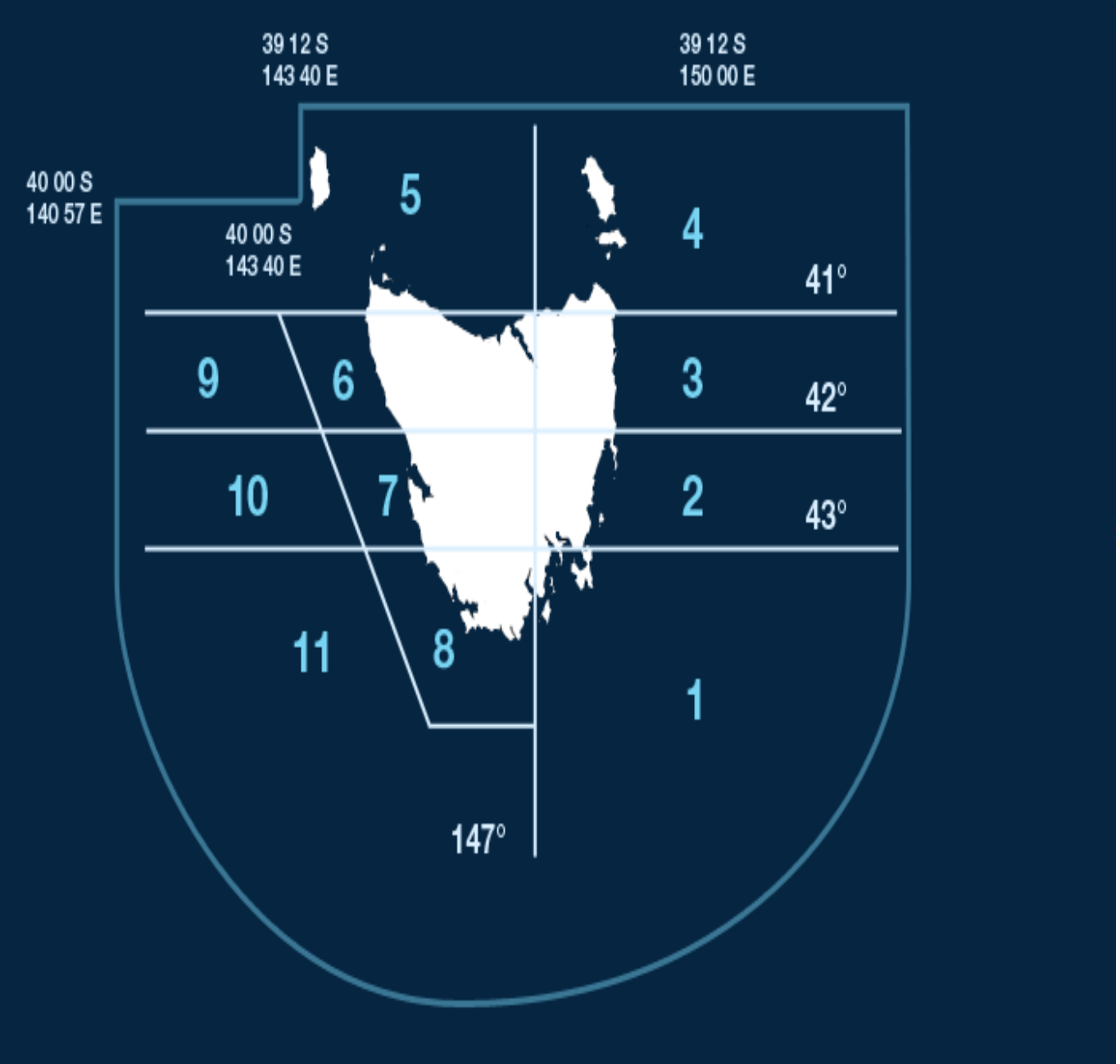
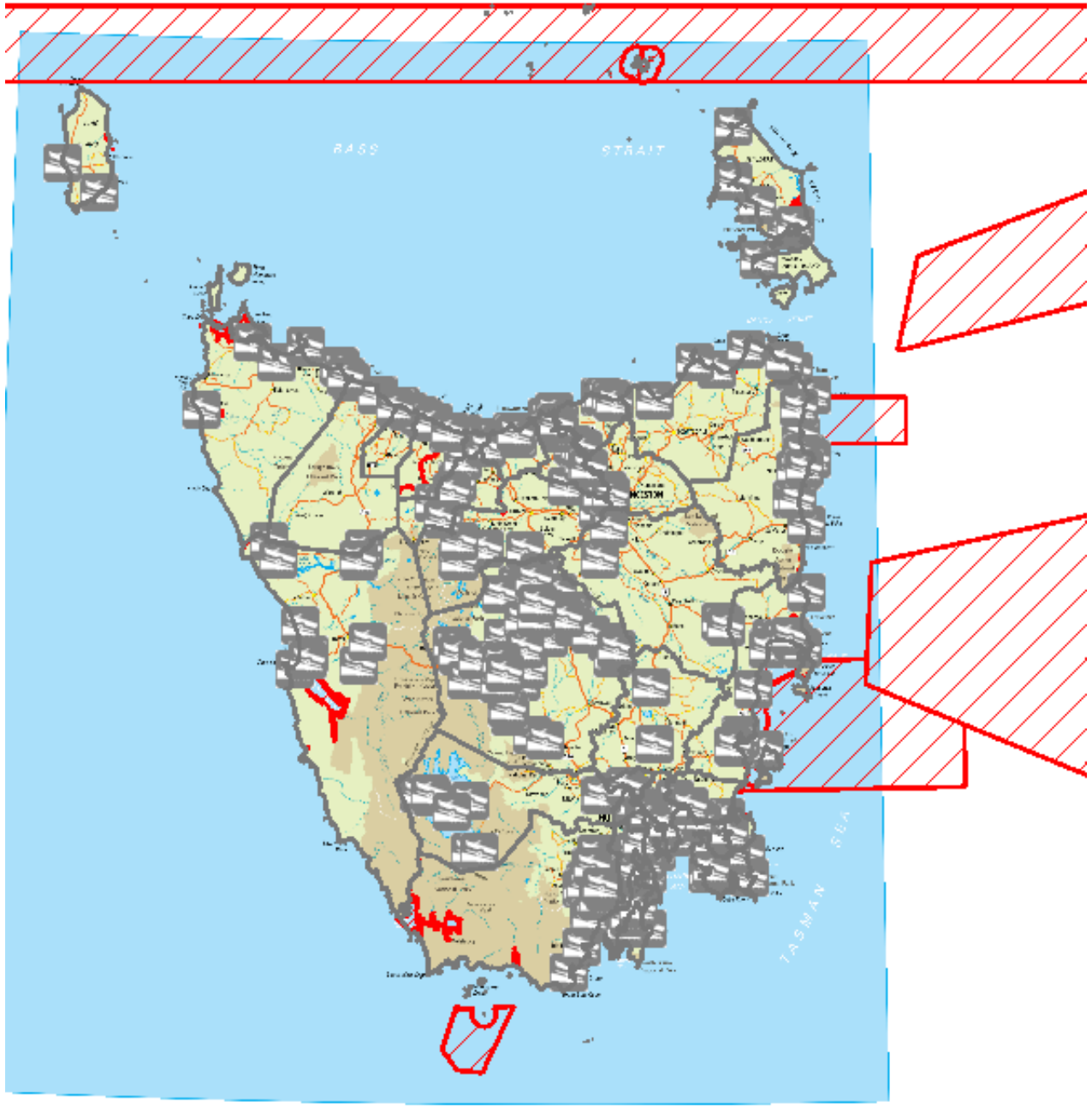


Figure 1: Management regions for the Tasmanian Rock Lobster Fishery. Regions 1-8 represent shallow waters and 9-11 are deep waters.

https://dpipwe.tas.gov.au/sea-fishing-aquaculture/sustainable-fisheries-management

Regional size limits apply for rock lobster

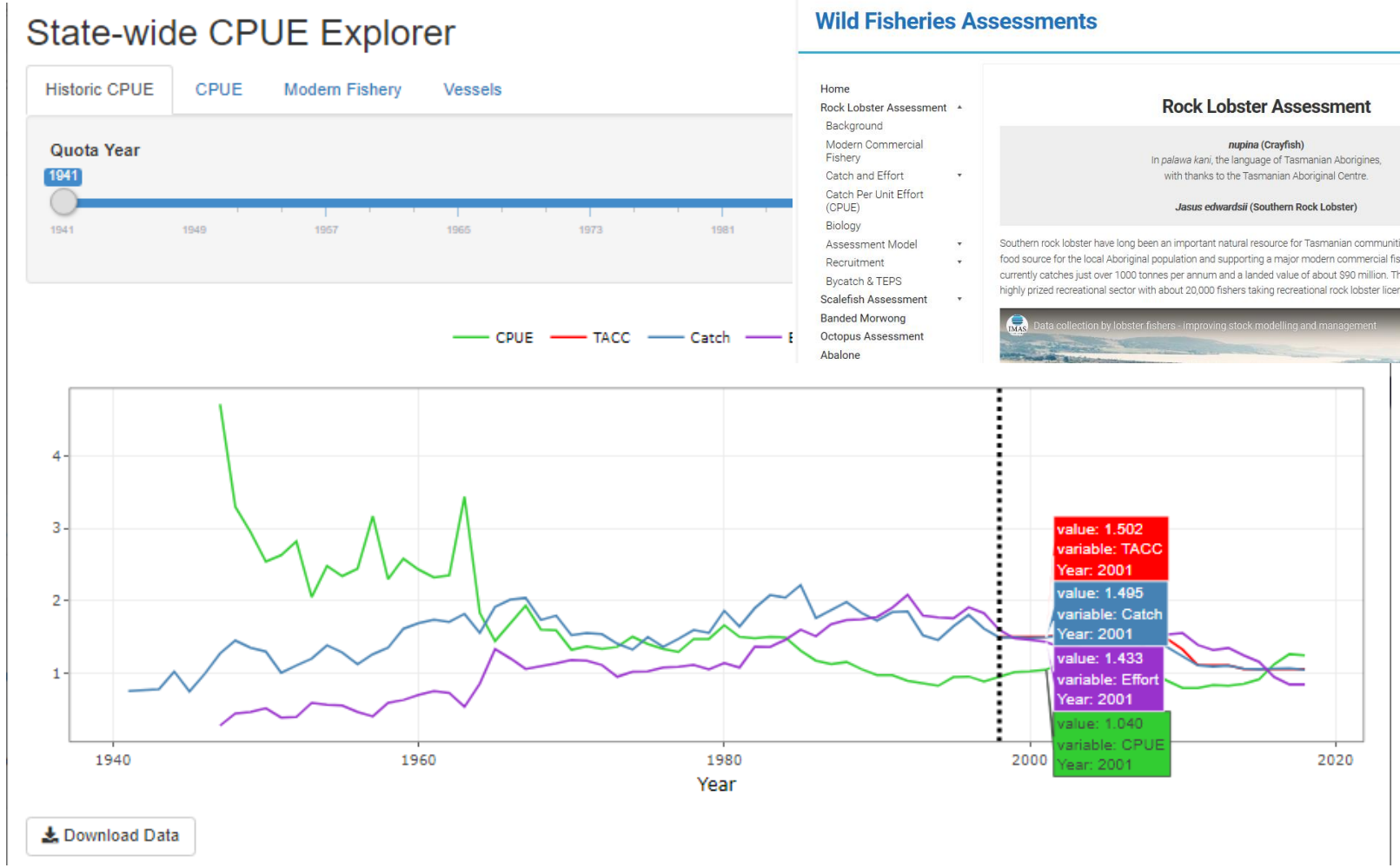


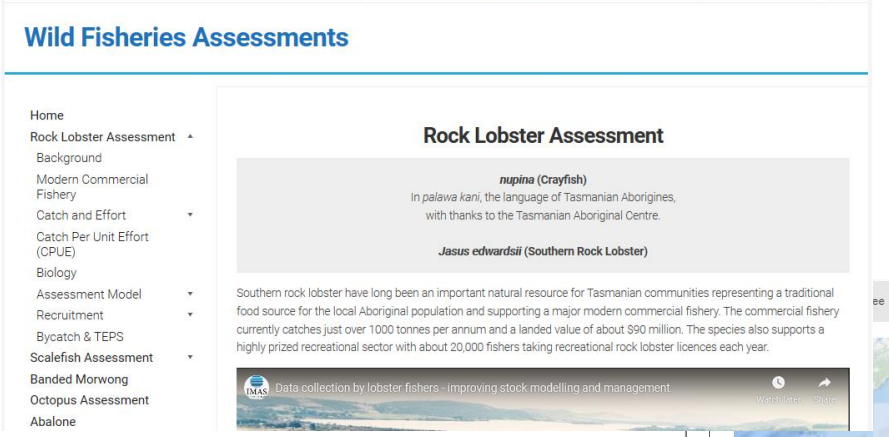
https://dpipwe.tas.gov.au/sea-fishing-aquaculture/sustainable-fisheries-management

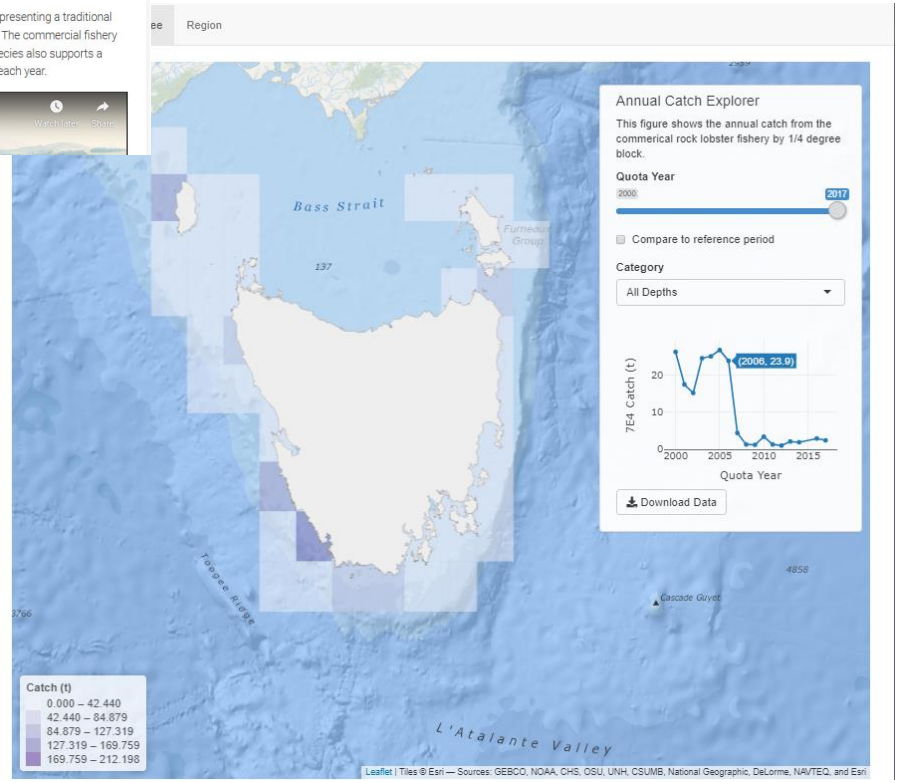
Web-based platform

Interactive Apps

Support better management decisions for the maximum benefit



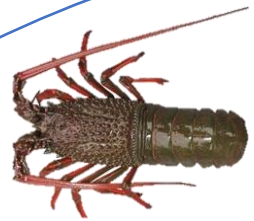




Perikanan Tangkap Lobster dan Budidaya Lobster Australia

Photo credit: https://www.aquaculturealliance.org/advocate/hatchery-production-spiny-lobsters/

Fisheries / Penangkapan



Farming/Budidaya

Riset 20 tahun,
ARC (Australian Research Council) = 5 jt AUD = IDR 50 M
Perusahaan Ornatas = 5 jt AUD = IDR 50 M

https://maker2u.com/online-farmers-market/fiordland-lobster-co-crayfish-frozen-whole-raw/
https://www.fish.wa.gov.au/Species/Rock-Lobster/Pages/default.aspx

Pembeda	P. Cygnus	J. Edwarsii	S. verreauxi	P. Ornatus	Ibacus sp.
Fase larva	9-12 months	12 months	12 months	4 months	3 weeks
Lama pembesaran sampai ukuran pasar	36-48 months	60-74 months	60-74 months	18 months	6-9 months
100% Budidaya	__	__	__	Baru berjalan	Sudah berjalan
Pembesaran dari benih alam	__	__	__	__	__

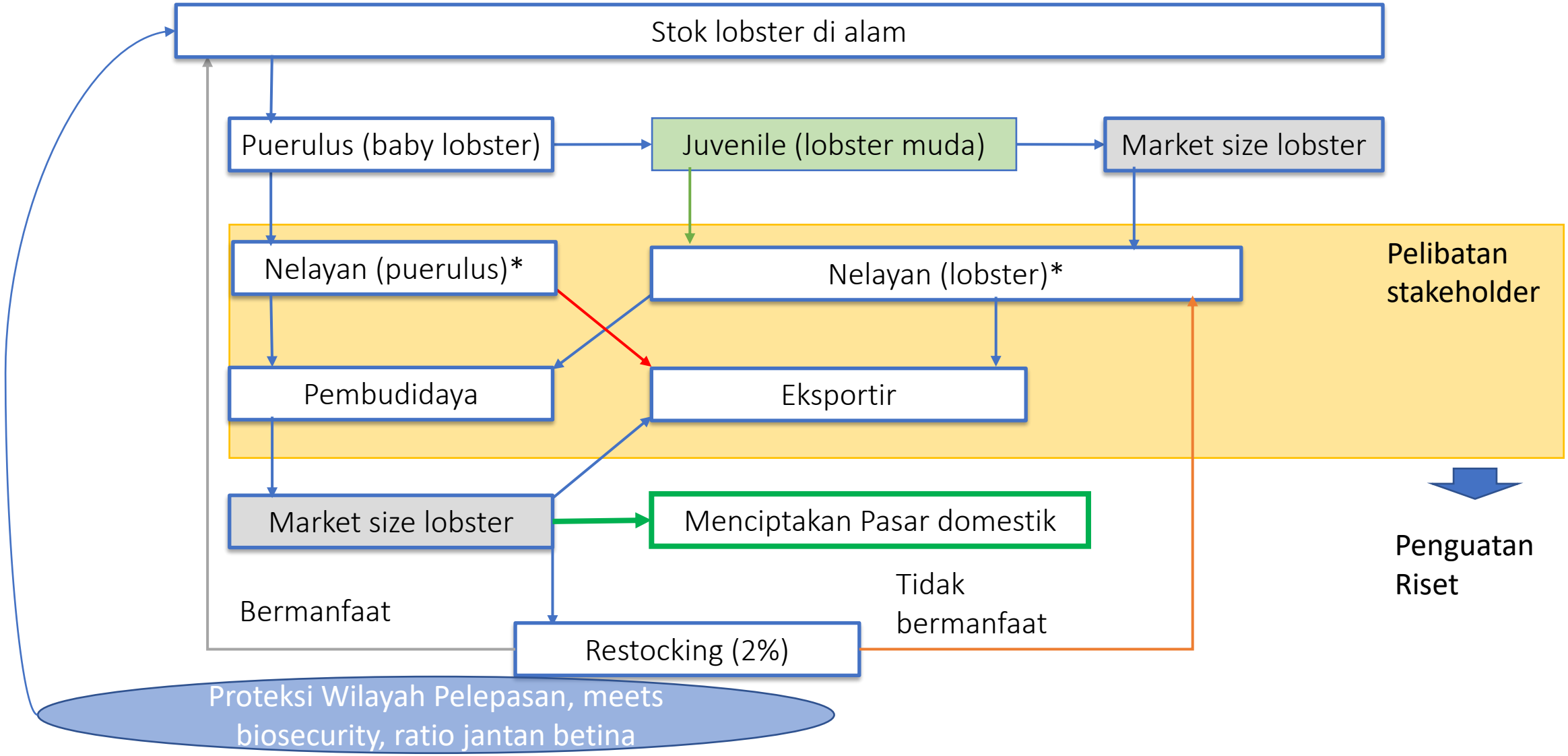
WHY?

The availability of puerulus stock
The ability to catch puerulus in sufficient numbers at a commercially competitive price
Production cost high

Apa yang bisa diambil bagi Perikanan Tangkap Lobster dan Budidaya Lobster Indonesia

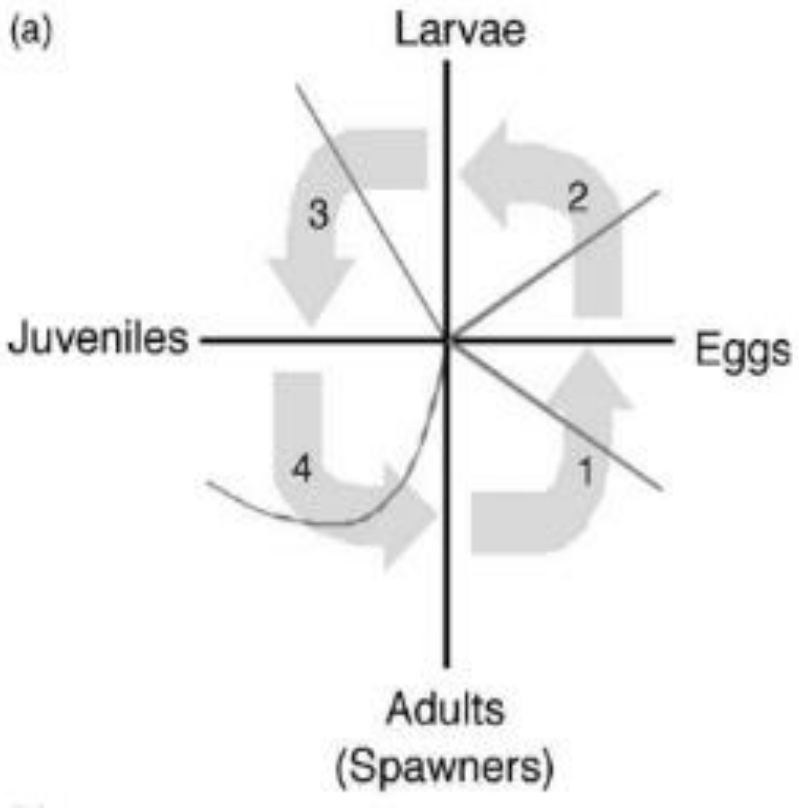
Photo credit: https://www.aquaculturealliance.org/advocate/hatchery-production-spiny-lobsters/

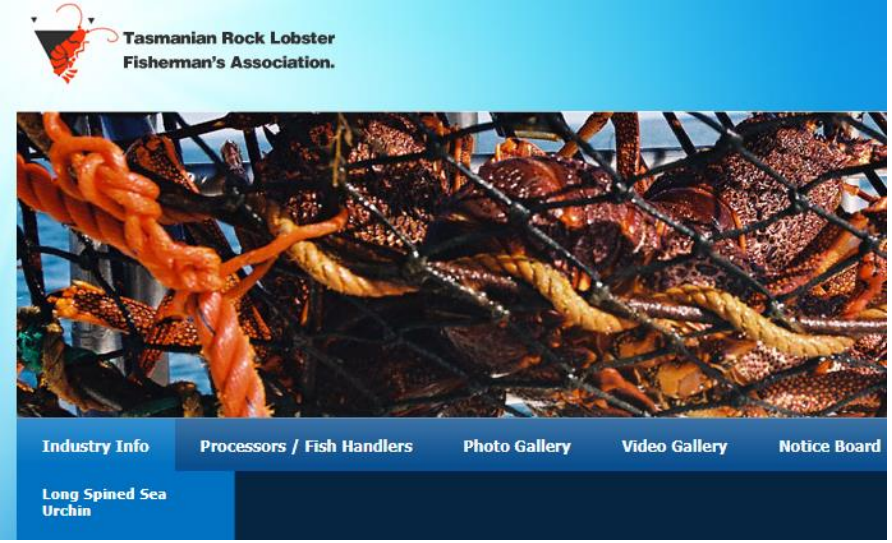
Visualisasi alur pemanfaatan sumberdaya lobster (puerulus, **juvenile dan market size (adult) lobster** berdasarkan regulasi baru



* Pembeda nelayan puerulus adalah kepemilikan alat tangkap, sehingga bisa jadi nelayan puerulus merupakan nelayan lobster jik amemiliki kedua alat yang sama

Memperkuat Riset sebagai landasan ilmiah





Menguatkan kelembagaan nelayan dan pembudidaya lobster di masing masing wilayah penangkapan lobster

Membuat basis data dengan pendataan produksi lobster budidaya (puerulus), output lobster budidaya dan hasil tangkapan lobster (market size dari alam) dengan melibatkan pembudidaya dan Pengepul/eksportir berbasis subwilayah penangkapan

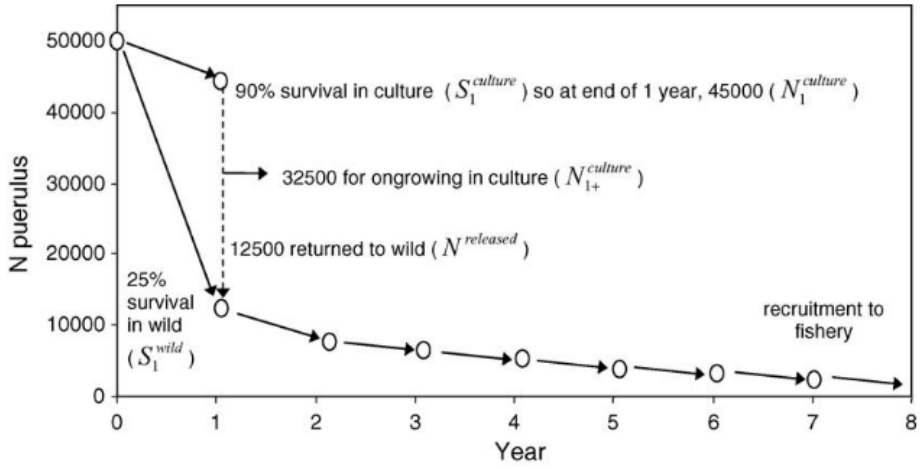
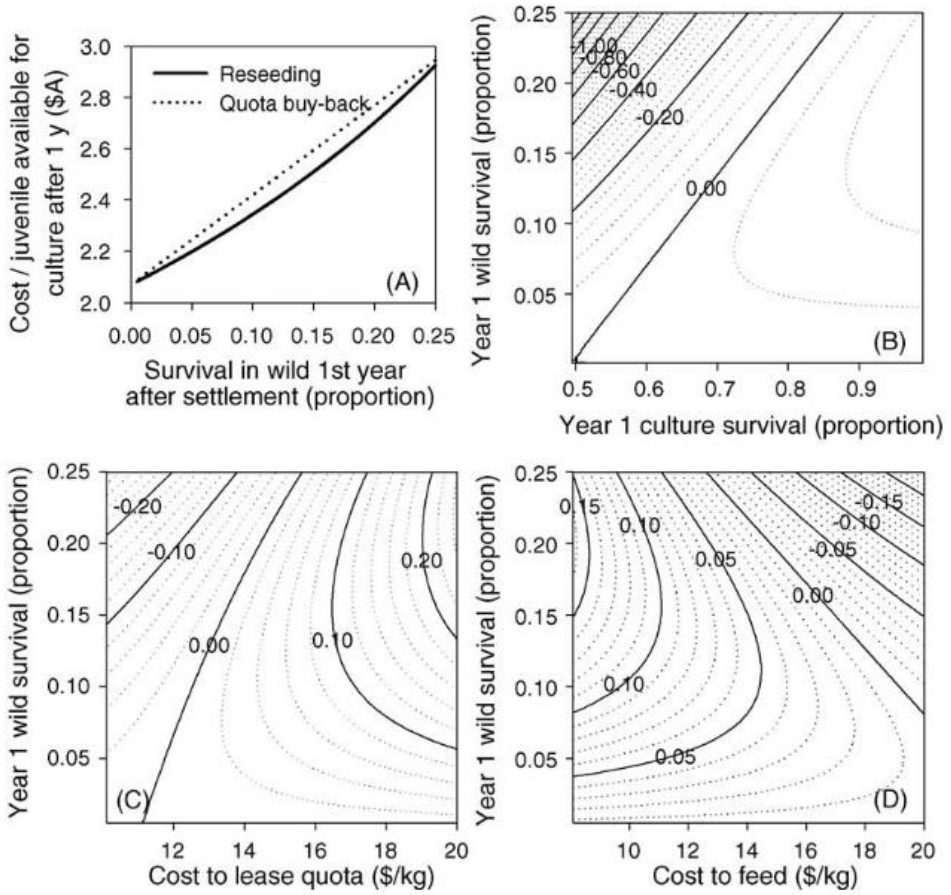
Memperkuat aturan dan penegakannya yang disepakatidan dilaksanakan oleh nelayan dan pelaku usaha lobster

Better regulations for higher yield?

Better harvest controls and supply chains for higher price?

Sertifikasi produk

TERIMA KASIH



C. Gardner et al. / Fisheries Research 80 (2006) 122–128