

The Mar Menor: currently problem
and evolution of the long snouted
seahorse (*Hippocampus guttulatus*).
Hippocampus Association.

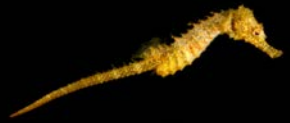
- Introduction
- The geographic region where we work
- Target species
- key results of our work



LISBON
October, 2018

HIPPOCAMPUS ASSOCIATION





LOCATION


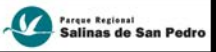


Coastal lagoon of Mar Menor



Protection items

- INTERNATIONAL
 - 1994. Wetland International Recognised (**RAMSAR**)
 - 2001. Mediterranean Specially Protected Zone. (**ZEPIM**)
- EUROPEAN
 - Place of Communitive Importance (**LIC**). LIC ES6200006 Directive 92/43/CEE
 - Special protection of birds área (**ZEPA**)
 - Special conservation área (**ZEC**) ES0000175, ES6200006, ES6200007, ES6200013, ES6200029, ES6200030,
- REGIONAL
 - Enviromental protected areas (**ENP**) LIC ES0000175

- 135.24 Km²
- Depth 6.5-7 m (3.6 m)
- <300 mm rainfall
- ↑ T^a
- ↑ Evaporation.
- 22 Km (from 100 to 900 m width.)

Family Syngnathidae



Familia Syngnathidae



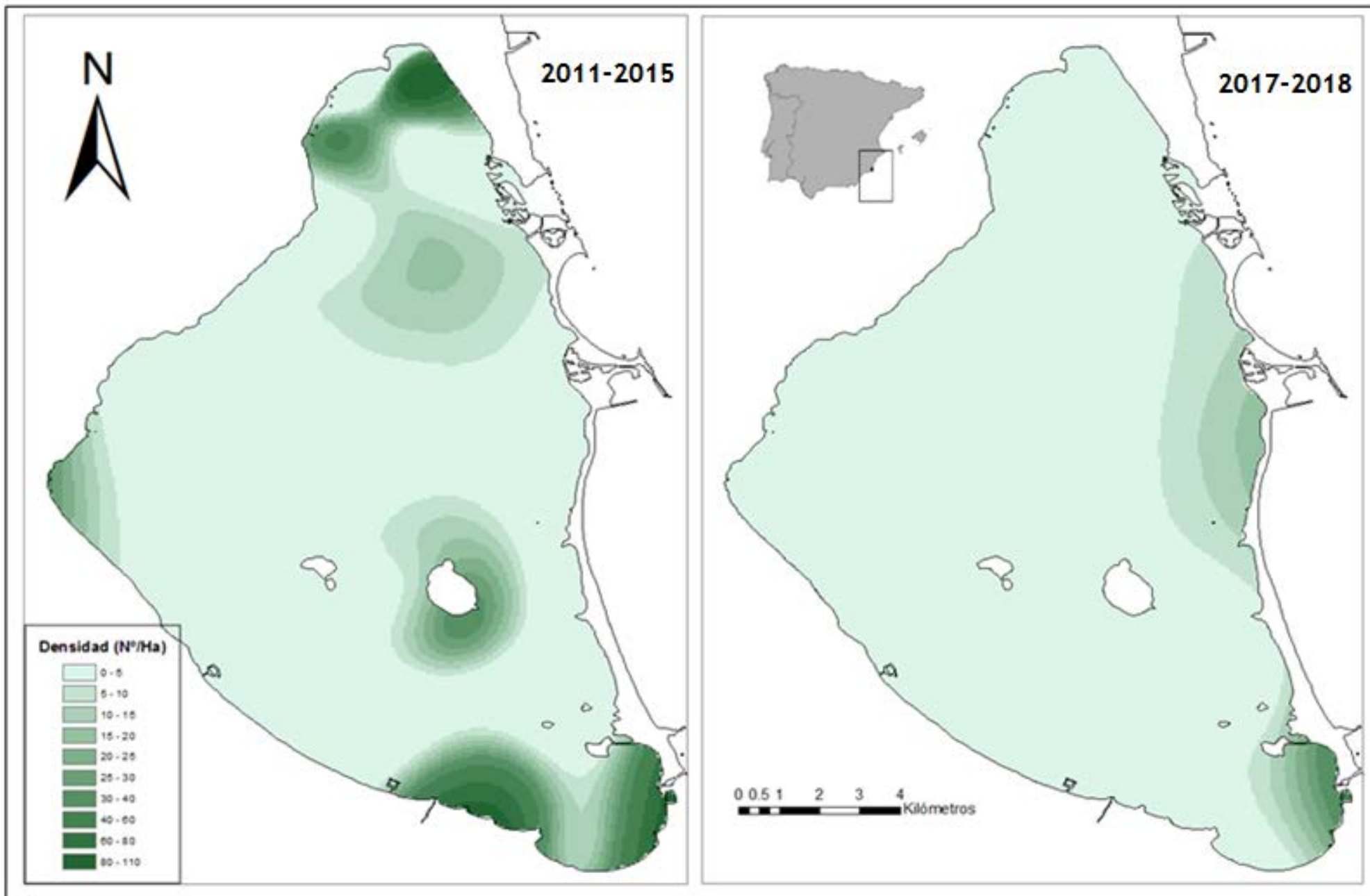
- *Syngnathus typhle*



- *Syngnathus abaster*

THE RESULTS

Study period	Samples	Divers	Sample area	Density (n°/Ha)	Population size
2011-2012	29	29	79705	14,5	196000
2015	13	25	48111	7,0	94600
2011-2015*	42	34	127816	10,5	141500
2017-2018	29	25	77027	1,27	17130





THANKS FOR
YOUR ATTENTION

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