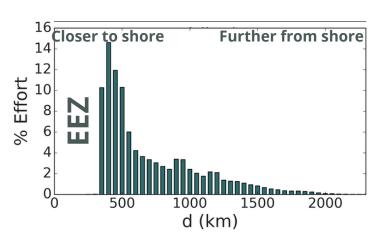
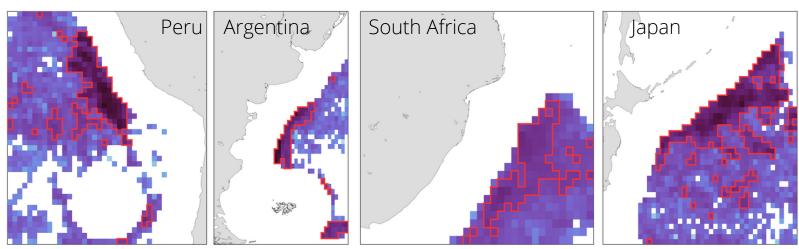
### THE GLOBAL NETWORK OF HIGH SEAS FISHING

#### Rodríguez, Fernández-Gracia, Duarte, Irigoien, Eguíluz Science Advances (2021)



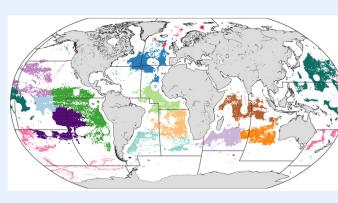
## Higher fishing effort at the borders of EEZ

47% of the fishing effort in the high seas concentrates in narrow strips adjacent to the Exclusive Economic Zones (EEZs), impacting the efforts by nations to regulate fishing in the areas under their jurisdiction.



# 14 provinces describing fishing in the high seas

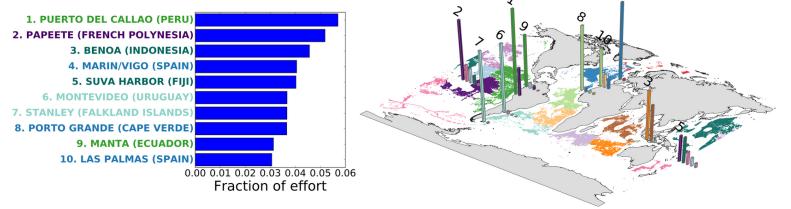
The fishing vessels' trajectories, obtained from Automatic Idenfication System (AIS), connect the high seas regions. We extract the connections between geographical locations through this trajectories, leading to 14 marine provinces. These provinces notably differ from current FAO zones.



### **Global fishing network**

Vessel's trajectories connect the fishing areas to the ports that give support to those vessels. From these connections, we extract the global fishing network, finding that low- and middle-income contries' ports play a key role, such that 84% of the high seas fishing is concentrated on 16% of the ports.

### Top 10 ports



#### **Top 10 nations**

- 1. Spain
- 2. **Peru**
- 3. French Polynesia
- 4. Japan
- 5. South Africa
- 6. **Fiji**
- 7. Indonesia
- 8. Chile
- 9. Kiribati
- 10. Uruguay

