

The European Commission's science and knowledge service

Joint Research Centre



(daily update at 16.00 Central European Time)

Real-time mapping of bottom trawling preferable avoidance

based on habitat estimation of hake nurseries ([Druon et al. 2015](#))

REAL-TIME MAP OF HAKE NURSERIES



<http://fishreg.jrc.ec.europa.eu/fish-habitat>

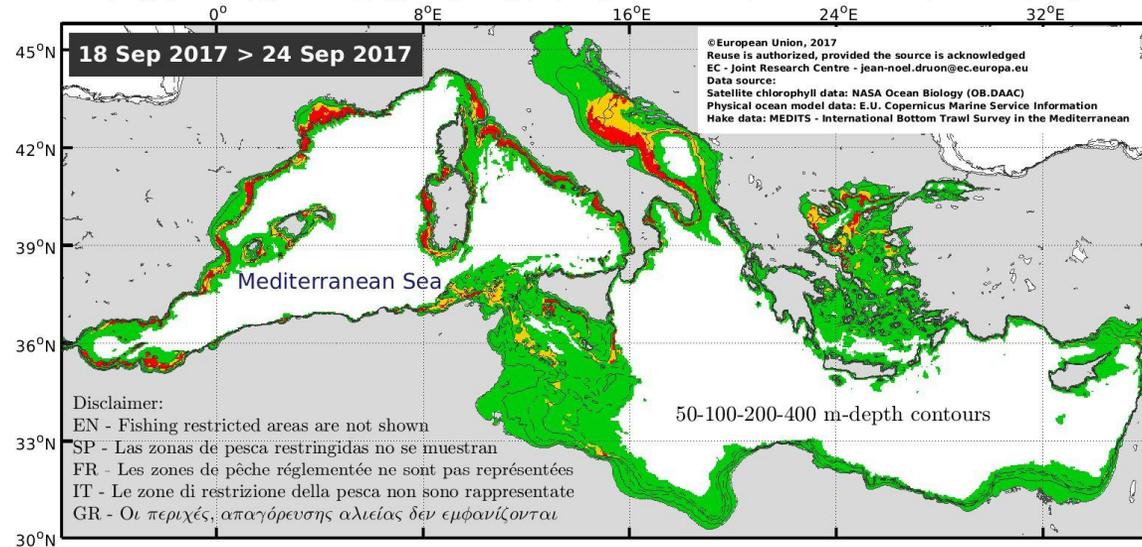
EN - Bottom trawling avoidance areas derived from hake nurseries potential distribution (0-1000 m)

SP - Zonas de arrastre de fondo a evitar derivadas de la distribución potencial de las áreas de cría de merluza (0-1000 m)

FR - Zones de chalutage de fond à éviter établies depuis la distribution potentielle des nourriceries de merlu (0-1000 m)

IT - Zone a strascico di fondo da evitare stabilite dalla distribuzione potenziale dei giovanili di nasello (0-1000 m)

GR - Περιοχές αποφυγής αλιείας μηχανότρατας, με βάση τα πιθανά νηπιακά πεδία του μπακαλιάρου (0-1000 m)



EN - Bottom trawling: Preferable area / Preferable avoidance/ Absolute avoidance
SP - Arrastre de fondo: Zona preferible / A evitar preferiblemente/ A evitar absolutamente
FR - Chalut de fond: Zone préférentielle / A éviter préférentiellement / A éviter absolument
IT - Strascico a fondo: Zona preferibile / Da evitare preferibilmente / Da evitare assolutamente
GR - Μηχανότρατα: Επιθυμητή περιοχή / Επιθυμητό να αποφεύγεται / Να αποφεύγεται παντελώς

Download

EN: Down

IT: Scaric

FR: Télé

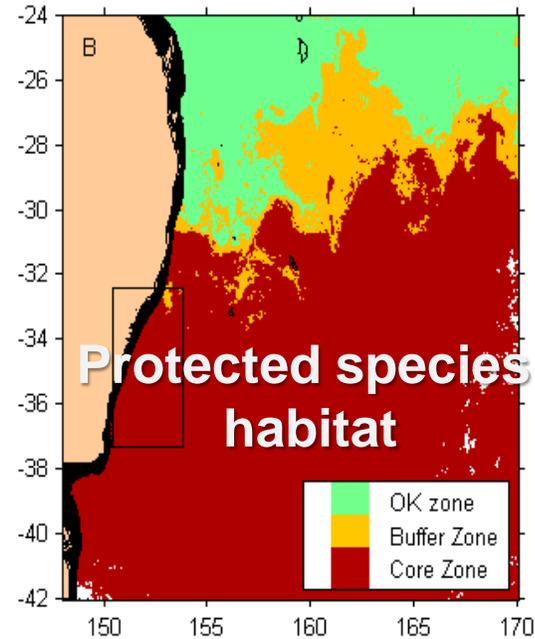
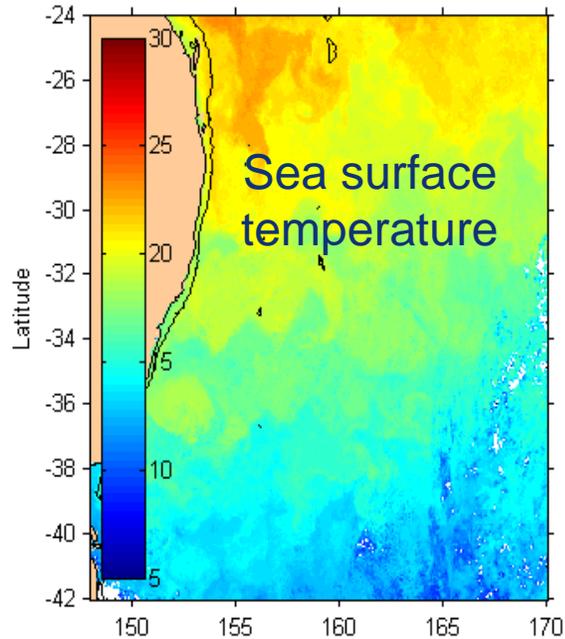
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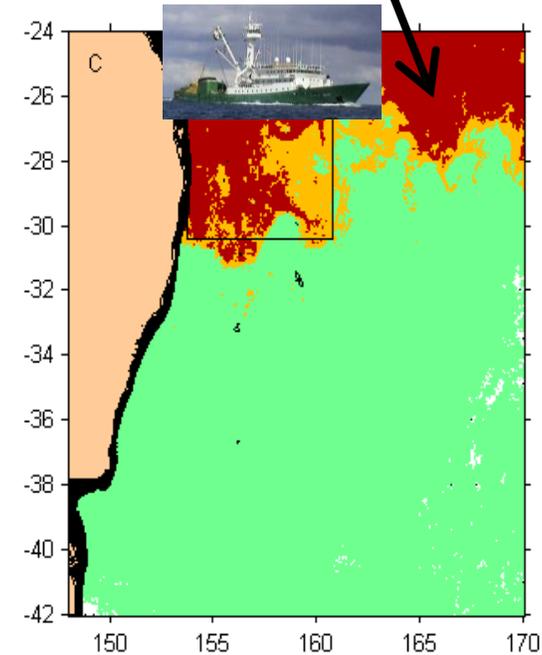
Visualize animation for:

- [daily](#) variability (.gif),
- [monthly](#) variability (.gif),

Eastern Australia

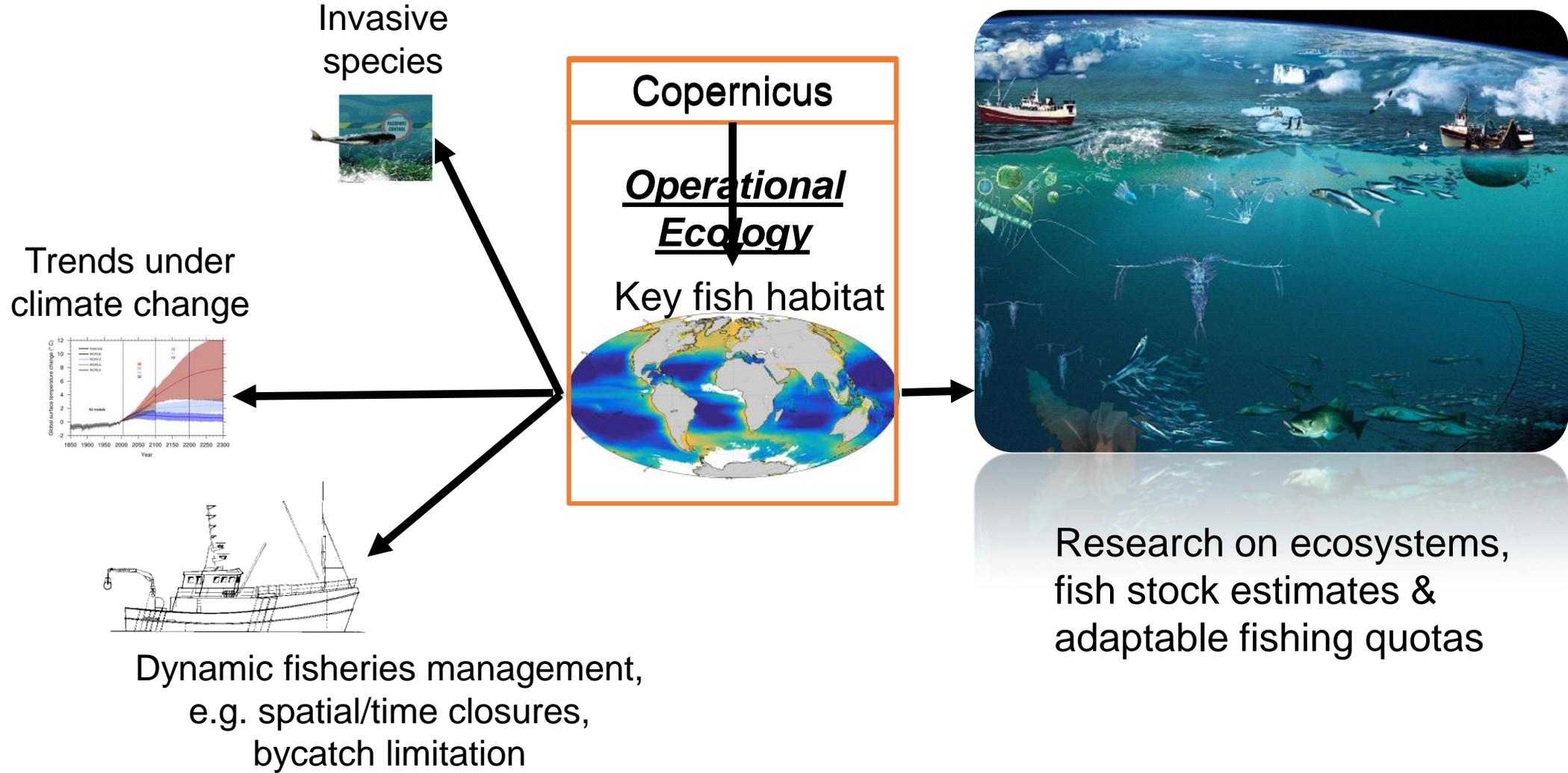


Targeted species habitat



- Habitat maps are distributed in real time by scientists to fishermen to avoid bycatch of protected species (Hartdog et al., 2010).

Downstream applications of key fish habitat for operational ecology



What future developments for Copernicus Marine Service?

Greater demand for practical use of science in society.

Copernicus: deliver sound science for policy acceptance

notably through

- collaboration between ocean users and scientists,
- development of **advanced environmental indicators** to feed:
 - EU marine policy (MSFD+CFP+MSP)
 - Ecosystem services analysis.