



AKVAKULTURA



RIBOGOJNICA FONDA
FONDA.SI D.O.O.
DR. IRENA FONDA

BLUEWARE SLOVENIJA

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NAJHITREJE RASTOČI SEKTOR

Akvakultura je najhitreje rastoči sektor kmetijstva na svetu.

Vse kaže, da se bo v naslednjem desetletju rast nadaljevala.

Več kot polovica morske hrane, ki se jo na svetu poje, pridelamo v sektorju akvakulture.

NAJPOMEMBNEJŠI TRENDI V AKVAKULTURI

1. Zmanjšanje količine antibiotikov

WHO je mikrobno rezistenco na antibiotike ocenila kot veliko grožnjo zdravju po vsem svetu.

NAJPOMEMBNEJŠI TRENDI V AKVAKULTURI

2. Osredotočenje na trajnosti

Degeneracija okolja

Vpliv na genetski bazen divjih vrst

Pridobivanje mladit (nove vrste)

Krma



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[Source:](https://www.youtube.com/watch?v=YGaFNZzjCXI&list=RDCMU62AVOyfSy9gXyINfkgQKQ&start_radio=1&rv=YGaFNZzjCXI&t=236)

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[Source: https://www.embopress.org/doi/full/10.15252/embr.201540528](https://www.embopress.org/doi/full/10.15252/embr.201540528)

NAJPOMEMBNEJŠI TRENDI V AKVAKULTURI

3. Evolucija v sistemih in opremi za akvakulturo

Oprema, ki se uporablja v akvakulturi se je v zadnjih 70 letih dramatično spremenila. Od lesenih kletk v 60 letih do današnjih standardnih polietilenskih in jeklenih kletk.

Oprema je počasi prešla iz bolj mehanske v bolj tehnološko napredno.



[Source: shutterstock.com 1492817051](https://www.shutterstock.com/1492817051)



[Source: https://thefishsite.com/articles/norways-salmon-sector-set-for-3-percent-growth](https://thefishsite.com/articles/norways-salmon-sector-set-for-3-percent-growth)

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OFF SHORE AQUACULTURE



[Source:](https://earthsky.org/human-world/offshore-aquaculture-project-underway-in-hawaii/) <https://earthsky.org/human-world/offshore-aquaculture-project-underway-in-hawaii/>

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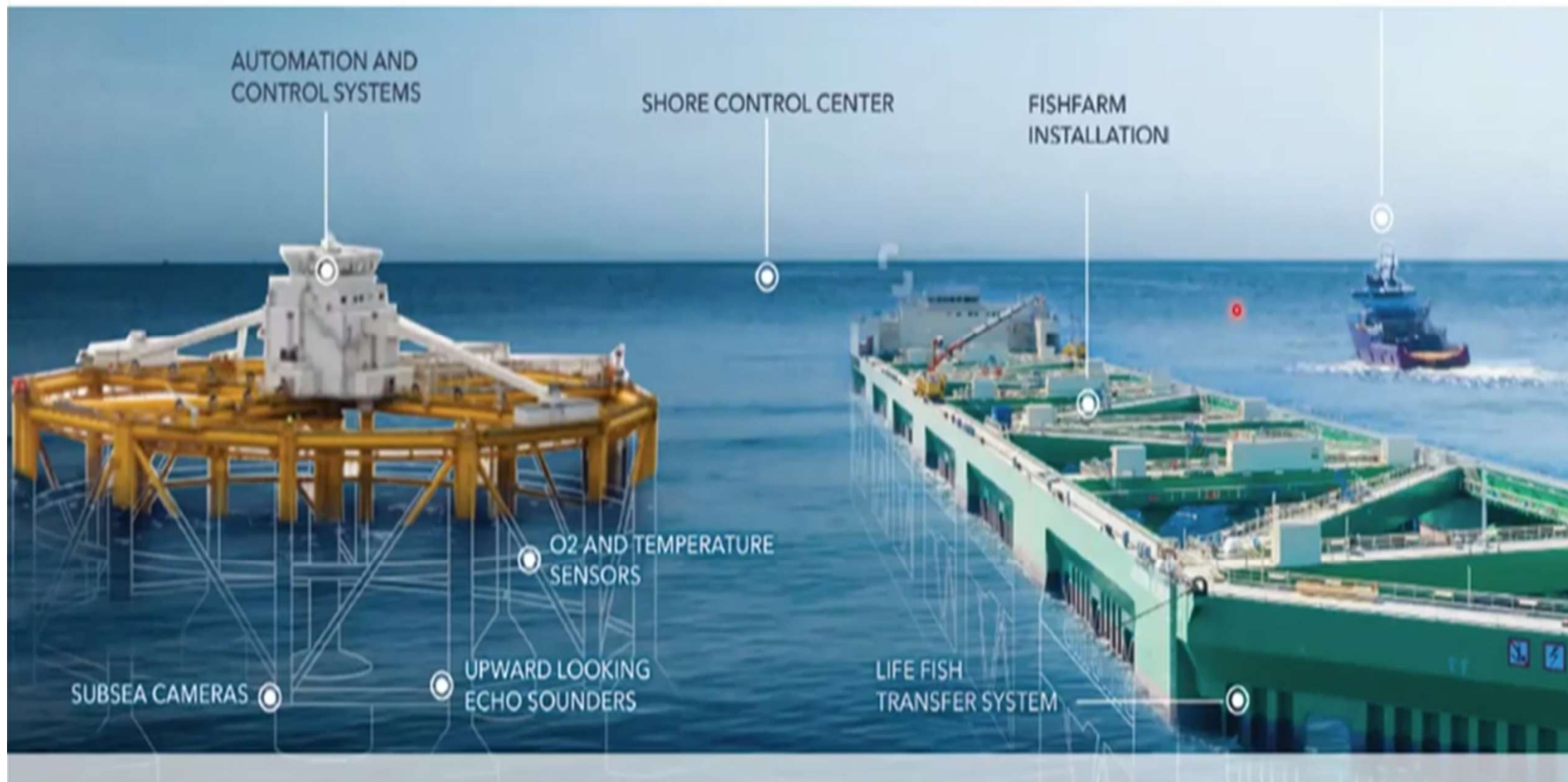
OFF SHORE AQUACULTURE

An underwater photograph showing a large, dark, cylindrical structure, likely part of an offshore aquaculture system. The structure is supported by a vertical pole on the left. Several divers are visible in the background, working on the structure. The water is clear and blue.

Source: <https://www.whoi.edu/oceanus/feature/new-regulations-proposed-for-offshore-fish-farms/>

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Offshore fish farming installations



Source: <https://www.youtube.com/watch?v=otGY06Y-FYA>



110 metrov široka, 68 metrov visoka kletka, z volumnom 250 000 m³. Z 20.000 senzorji, vrtljivim sistemom za čiščenje mrež dosežejo popolno avtomatizacijo v monitoringu in hranjenju rib in vzdrževanju. Kapaciteta proizvodnje je 1,5 milijona rib v 14 mesecih.

Sorce: <https://www.fishfarmingexpert.com/article/world-s-first-offshore-fish-farm-arrives-in-norway/>



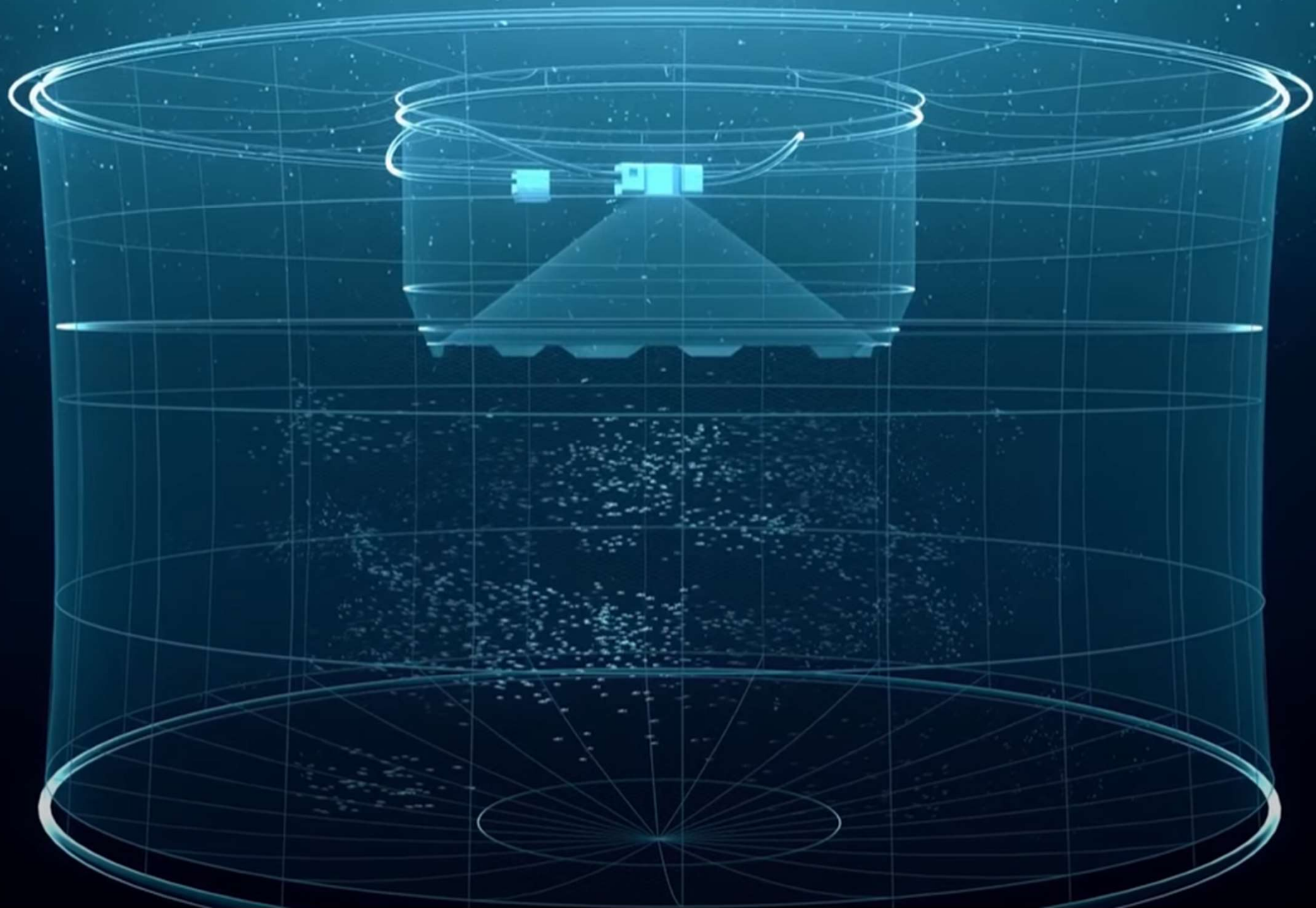
iFarm

Individualized aquaculture

Source:

https://www.youtube.com/watch?v=YGaFNZzjCXI&list=RDCMU62AVOyfSy9gXyINfkgQKQ&start_radio=1&rv=YGaFNZzjCXI&t=236

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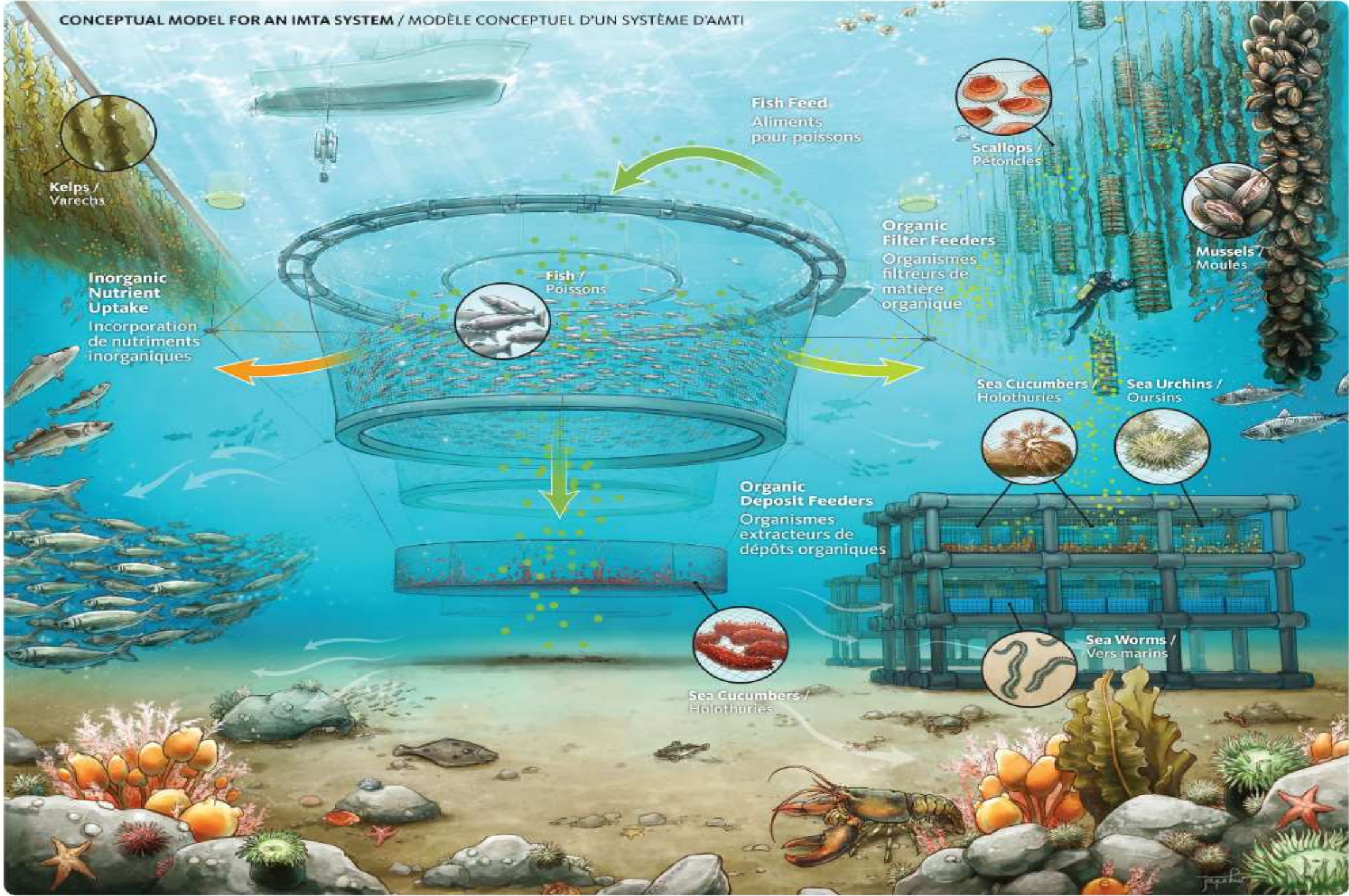


[Source: https://www.amusingplanet.com/2017/10/the-floating-fish-farms-of-china.html](https://www.amusingplanet.com/2017/10/the-floating-fish-farms-of-china.html)



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CONCEPTUAL MODEL FOR AN IMTA SYSTEM / MODÈLE CONCEPTUEL D'UN SYSTÈME D'AMTI



Inorganic Dissolved Nutrients / nutriments inorganiques dissous
 Water Current / courant d'eau

Organic Fine Particulate Nutrients / nutriments organiques à particules fines
 Organic Large Particulate Nutrients / nutriments organiques à particules grossières

HVALA!

WWW.FONDA.SI

INFO@FONDA.SI

FB: RIBOGOJNICA FONDA



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