

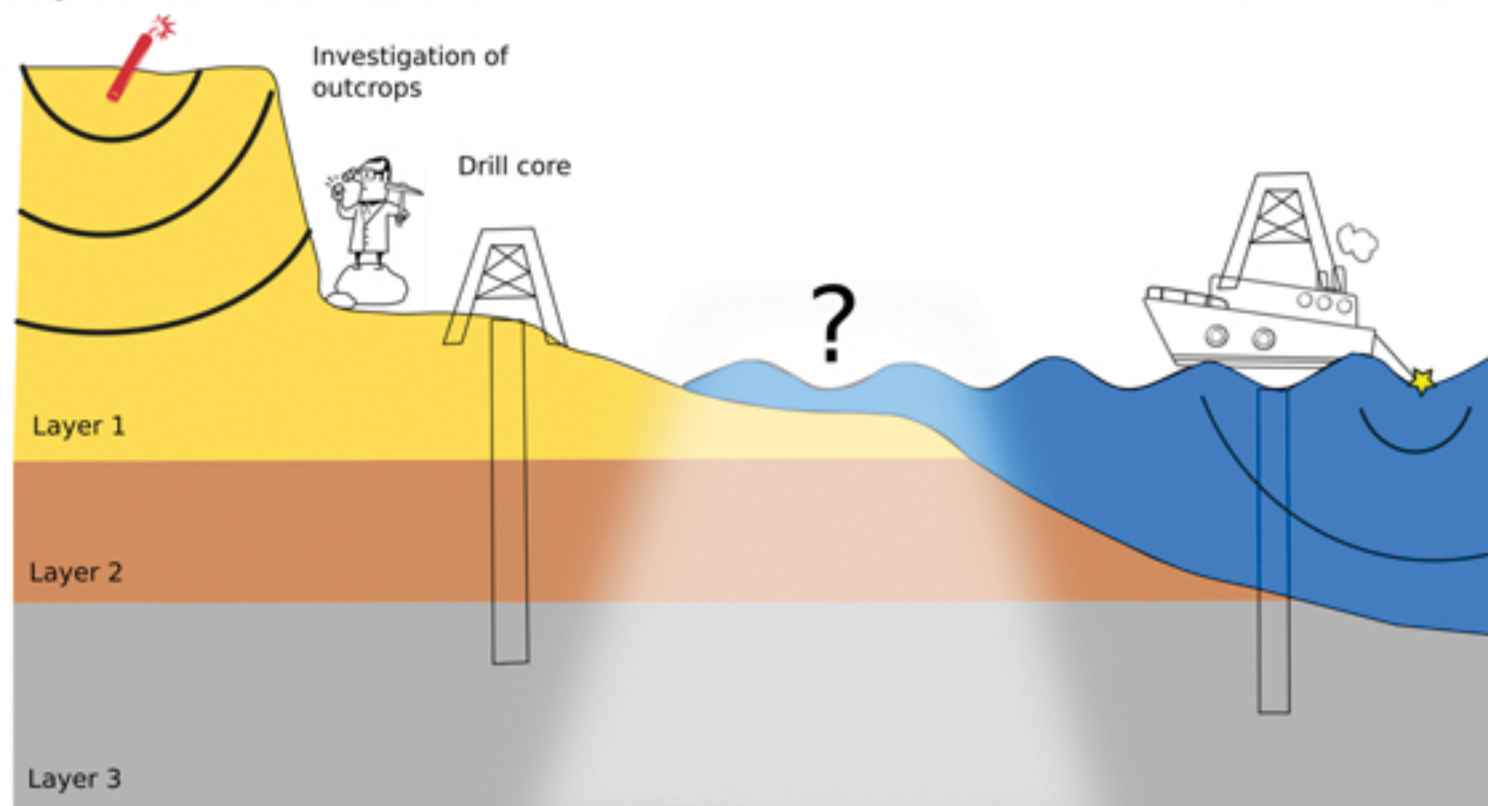
Mapping the sea from the sky

Mapping underwater landscapes on water depths between 0 to 10 m

Methods at land: Reflection and refraction seismics, magnetotellurics, electrical methods.

Coastal zone and shallow water: Lack of methods!

Methods at sea: Reflection and refraction seismics. Drill core. Multibeam. Side-scan sonar.



Maps of underwater landscapes are used in:

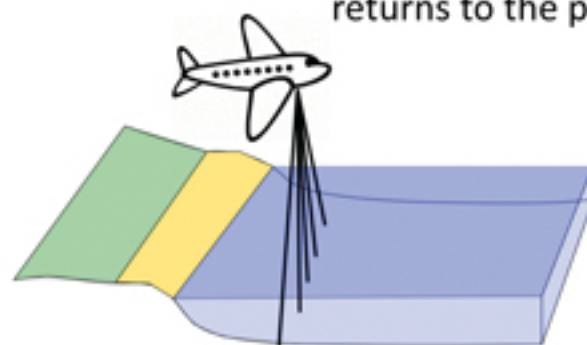
- Preservation and protection of marine wildlife and vulnerable environments
- Marine agriculture
- Usage of marine resources such as gravel and sand

The maps are created from data made by a laser (LiDAR) hanging below an aeroplane. The laser signal is created below the plane, travels to the bottom of the sea, bounces off the sea bed and returns to the plane.



Did you know that sand and gravel from the sea are of great value as building materials?

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