

Acropora

acropores

Acropora are a very common species of hard coral, but also very vulnerable to bleaching.



Atoll

Atoll :

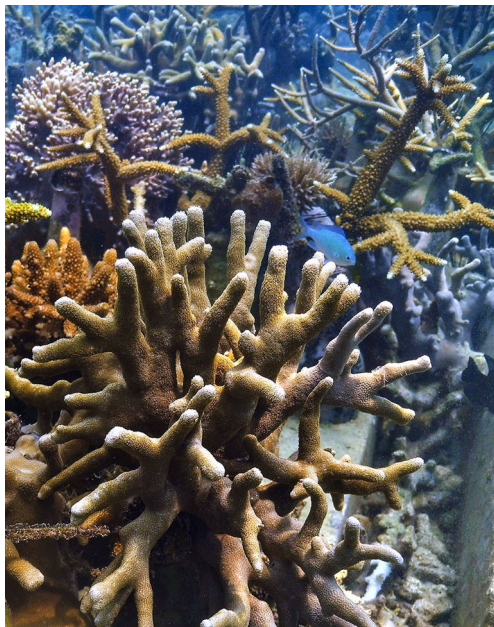
A ring shaped island
made of corals.
in the middle of the
atoll, there is a
lagoon : a circle of
shallow water.



Coral

Corail :

Corals are animals living in shallow waters. They are very colourful and shelter many fish, but global warming is making them white and vulnerable.



Coral reef
restoration

Restauration des
récifs coraliens

The act of recovering coral samples, growing them in the laboratory and replanting them in the wild. The goal is to protect the marine ecosystem from coral bleaching.



Great Barrier Reef
Grande barrière de
corail :

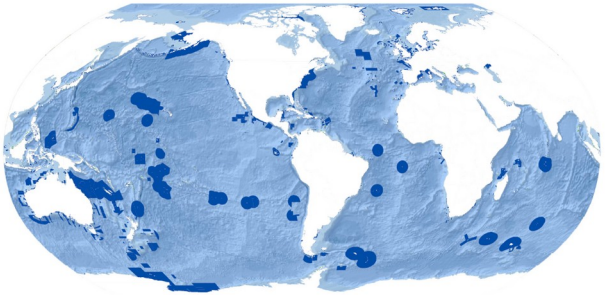
A very large coral reef
situated in the south of
Australia. It is
threatened by global
warming.



**Marine protected
areas (MPA)**
**aire marine protégée
(AMP)**

MPA are protected places
in the oceans and seas.

Their purpose is to
conserve the nature in
the long term. They have
also other goal, like
protect the marine
endangered species or
improve water quality.



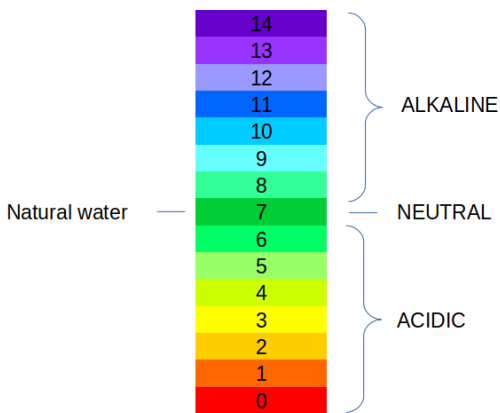
potential of Hydrogen

**Potentiel hydrogène
(p.H.) :**

Unit of measurement
of water acidity, on a
scale from 1 to 14.

CO₂. human activity
upgrade the water pH

PH of water



Limestone

Calcaire :

Limestone is a rock mainly composed of calcium. Hards corals secrete limestone to build their external skeleton. It is vulnerable to ocean acidification, which dissolves it.



Symbiosis

Symbiose :

Two organism are in symbiosis when they both need the other to survive. Corals and Zooxanthellae live in symbiosis.

Zooxanthellae procures oxygen and nutrients for corals, in exchange of a shelter and enough light for photosynthesis.



Clownfish live in symbiosis with
anemones.

Zooxanthellae

Zooxanthelle :

A single-celled algae that can live in symbiosis with coral. They are responsible for the corals' colour. When they leave out of them because of a very low pH or a too high water temperature, they bleach.

