

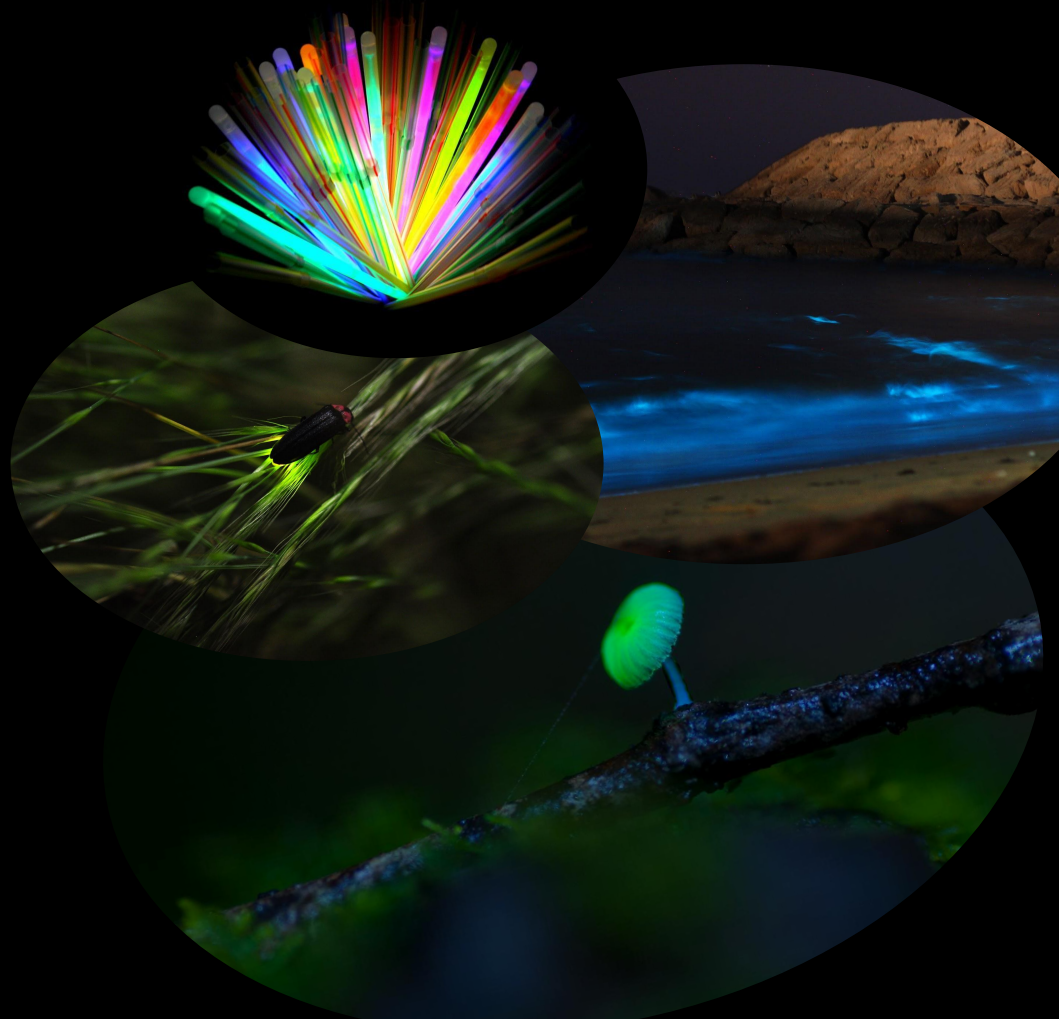
*Nature and its glow - a project about
bioluminescent organisms in nature.*

A project by Olivia W and
Veronica p.



What we discuss

We discuss the following in our main project : How Funghi glows, some glowing animals, glowing water, and glowsticks



Glowing animals

Some animals that glow are the firefly, platypus, anglerfish, dragonfish, starfish, shrimp, and scorpion. different animals glow for different reasons

The anglerfish glows for hunting

Shrimp glow to distract their predators

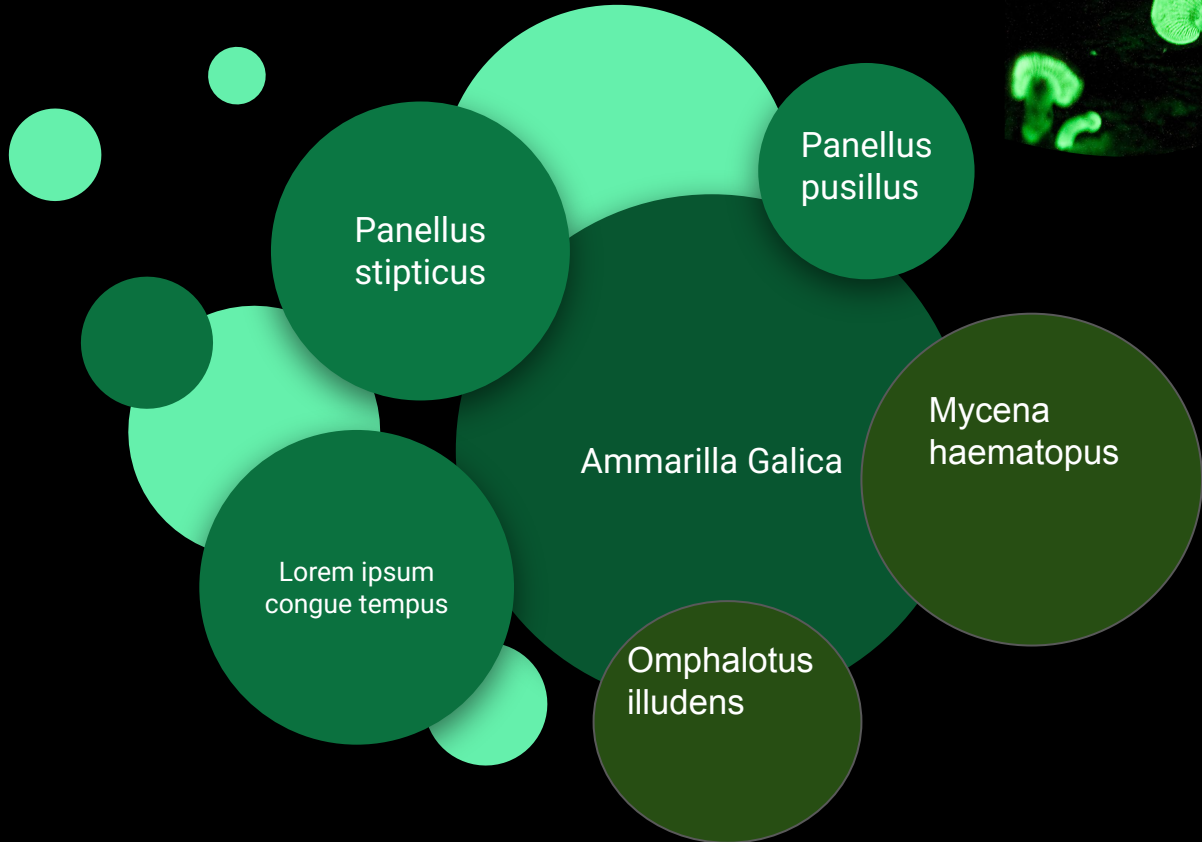
Fireflies do it for mating

Starfish use it as a decoy



Glowing mushrooms

There are many types of glowing mushrooms. These mushrooms glow to attract flies. Here is a diagram of different types of mushrooms.



The Ocean's Glow

The ocean doesn't actually glow - but the animals in it do! The sea usually glows because of an algae bloom of plankton. This will happen when the water is slightly disturbed and the temperature is perfect.

Usually is
from June
to
september

Quite
common

Usually green or blue

Not safe to
swim in



Glowsticks

A glow stick's outer plastic tube holds a solution of an oxalate ester and an electron-full coloring along with a small glass tube filled with a hydrogen peroxide solution. The snap that begins the reaction means that you've broken the glass tube, releasing the hydrogen peroxide.

They last usually 8-12 hours

They were invented by the military

The brightest colors of glow sticks are green and yellow



Sources

Museums Victoria

Treehugger

Department for environment and water

Monterey bay aquarium

BK adventure

C&EN

glowsticks.co.uk

NOAA Ocean Exploration - National

Oceanic and Atmospheric

Administration

