

Seagrasses support

**50%**  
of the world's  
fisheries and  
**3 billion people**

in coastal communities  
around the world.

**Dugong** populations  
span across

**46**   
**countries**



and feed almost  
exclusively on seagrass,  
making them an  
excellent **barometer**  
of seagrass health.

## Dugong Detector

Drones can monitor dugongs safely, easily, and affordably, meaning information can be collected for the first time in many poor and remote areas.

**Dugong Detector software will use artificial intelligence to automatically find dugongs in images captured by drones.**

An integrated mapping tool will produce a map of all the dugongs, seagrass, and other environmental features identified using Dugong Detector.

**Around the world, researchers and communities will be able to contribute to, learn from, and act on a global database of dugong locations and seagrass maps to help protect critical ocean resources.**



**Seagrass ecosystems provide food, income, protection from climate change, and support to threatened species.**



Seagrasses are vanishing at a rate of 7% per year globally and we've already

**lost 35%**  
**of the world's**  
**seagrasses.**



Dugongs are the world's only vegetarian marine mammal. They can be monitored from the air because they come to the surface to breathe.

