



At the Centre for Marine Biodiversity, we explore the reefs of Raja Ampat through 4 marine biology workshops:

Fish - Workshop

- ✓ Fish - their family characteristics and ecology
- ✓ Fish species list, use of scientific databases
- ✓ Guided dives
- ✓ Fish - presentation & quiz
- ✓ Workshop boklet & certificate

Coral - Workshop

- ✓ Coral biology & coral identification
- ✓ Coral Reef Ecology, Food Webs, Marine Conservation
- ✓ Guided Dives & Fluorescent Night Dive
- ✓ Corals presentation & quiz
- ✓ Coral Finder & certificate

Invertebrates - Workshop

- ✓ Sandy Bottom, Reef Rock and Plankton Sampling
- ✓ Microscope sessions & invertebrate identification
- ✓ Zoological Drawing
- ✓ Guided Dives & Night Dive
- ✓ Coral Reef Presentation & Quiz
- ✓ Workshop booklet & certificate

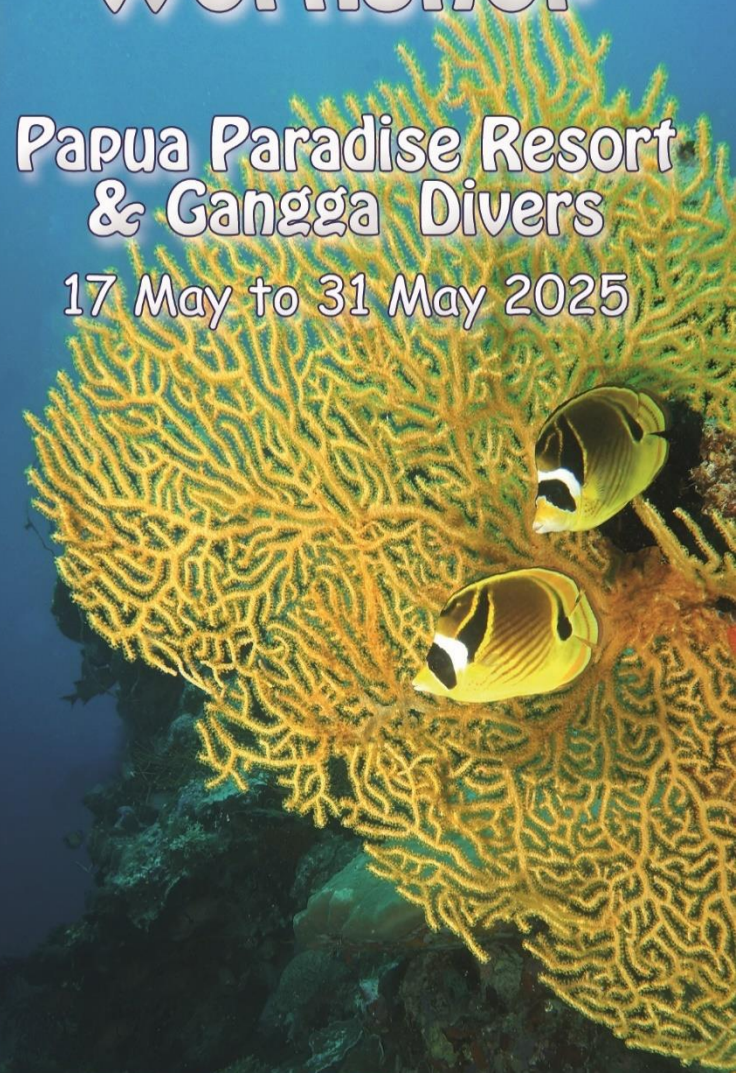
Raja Ampat - Workshop

- ✓ Exploration of seagrass beds and mangroves
- ✓ Workshop Summary & Conclusion

CORAL REEF Workshop

Papua Paradise Resort & Gangga Divers

17 May to 31 May 2025



Papua Paradise Eco Resort is located on Batanta, one of the 1800 mostly uninhabited islands in the sparsely populated archipelago of Raja Ampat, west of New Guinea/Indonesia. Surrounded by rainforests and fantastic coral reefs, it promises an unforgettable holiday for divers, snorkellers and nature lovers. The house reef is spectacular and you can see wobbegongs, reef sharks, bamboo sharks and the dugong in the seagrass meadows.

Excursions are available to the local area, including the Batanta waterfalls, the fishing village of Arefi and the rainforest, where you can see three endemic species of birds of paradise and the graceful hornbills.

There are day trips of 3 dives each to the Fam Islands and the passage between Waigeo and Gam Islands, which are among the best sites in Raja Ampat. The dive centre has 4 well maintained compressors, aluminium tanks from 8 to 15 litres with DIN and Int connections, free Nitrox, various fibreglass boats and an acclimatised camera room with workstations and extensive flora and fauna identification literature.

www.papuaparadise.com

Booking & Information:




www.papuaparadise.com
info.papuaparadise.com

 Papua Paradise Eco Resort & Gangga Divers



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 Marine Biology Workshops



photos: © Stephan Moldzio, Papua Paradise Resort,
 Layout: © Stephan Moldzio

Course content

Raja Ampat is a centre of marine biodiversity. To date, over 1300 species of fish and 500 species of coral have been recorded here. We will explore this fascinating underwater world in four 2-day marine biology workshops:

We start with the Fish Workshop, where we will learn about the family characteristics and lifestyles of the various reef fishes using vivid methods. Fish identification skills will be developed. We work with scientific databases and compile a species list. The programme also includes a fish presentation and a fish ID quiz.

Corals are the master builders of reefs and create this fascinating habitat. Starting with an exciting coral presentation, the coral workshop will take an in-depth look at the ecology of coral reefs - with reef formation and erosion, zonation - erosion, zonation and the different types of reef. The focus will be on corals. Using the Indopacific Coral Finder, a tool for systematic coral identification, we will eventually be able to identify every stony coral to genus level. Another highlight is the fluorescent night dive, where we light up the reef with blue lights!

Prerequisites:

The workshops are suitable for divers AND snorkellers AND non-divers. No prior knowledge is required. The four courses build on each other. The workshops are aimed at all skill levels, from "beginner" to "professional". The minimum age is 10 years. Course language: German and English



The reef by day...

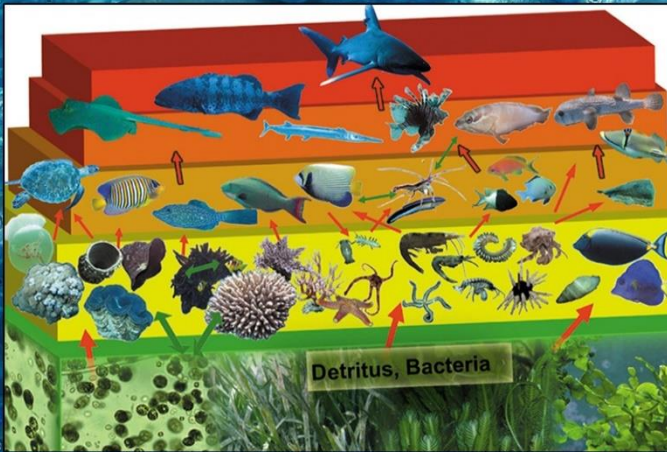
...and by night

The **Invertebrate workshop** at the beginning of the second week will continue to focus on the ecology of coral reefs: Food webs, predator-prey relationships, parasitism and symbioses, functional groups such as algal grazers; current threats to coral reefs and conservation.

We sample small organisms on the reef, in the sand and in the water column - and then examine them under the stereo microscope. A zoological drawing is made by looking closely at the different groups of organisms.

During the **Raja Ampat workshop**, we will explore the neighbouring habitats of seagrass meadows and mangroves, recognising their immense importance to coral reefs and the complex interrelationships between them.

Each participant will receive an interesting workshop booklet at the beginning of the workshop and a certificate of participation at the end. Using a variety of visual methods and working in teams, we will explore the interrelationships so that each participant contributes to the overall outcome. There will be four evenings of lectures on various topics related to coral reefs. The course is led by marine biologist Stephan Moldzio.



Food web in a coral reef



Corals - the reef builders

Photos & Layout: © Stephan Moldzio



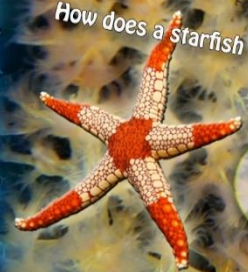
...of medusas and colonial sea cucumbers...

What is plankton?
Where does it hide during the day?



Which animal groups live in the sea?

How does a starfish walk?



What types of algae exist?

How does the zooxanthellae symbiosis work and what significance does it have for the coral reef?

