

PRESENTATION

Knowledge Management Products Overview

PARTNERSHIPS FOR CORAL REEF FINANCE AND INSURANCE IN ASIA AND THE PACIFIC



MARGAUX MONFARED

Global Engagement and Ocean Policy,
Blue Pangolin Consulting
On behalf of Francis Staub and Tom Dallison



Introduction



- To provide decision-makers, reef managers, and local communities with the technical and financial tools required to implement resilience and mechanisms for risk management, transfer and financing.
- **Knowledge products** transform information into **action**. They ensure that lessons, tools, and evidence are:
 - Accessible to diverse audiences.
 - Practical for decision-making.
 - Replicable across countries.
 - Sustainable beyond project timelines.

The training toolkit provides an introductory overview to coral reef resilience, risk management, and insurance mechanisms. It assumes minimal prior experience and that those conducting the training sessions are well-informed.

Building capacity on
core topics

An explainer video is a short-form video used for introducing content and topics, which can often be complex, in a compelling and efficient way.

TRAINING TOOLKIT

KM3

INTERCONNECTED PRODUCTS

EXPLAINER VIDEO (10 minutes)

KM1

integrated

Post-Disaster Restoration Guidance

Expanding
and
increasing
knowledge on
key topics

Linked
through key
topics and
examples



FACTSHEETS

KM4



Expanded
complex
topics

Case
studies

NATIONAL SHORT VIDEOS (<2 minutes)

KM2



Explainer Video

- **Focus:** Interview questions were designed to provide clear, accessible information on parametric insurance and its relevance to coral reef resilience.
- **Interviews:** 2024 presented valuable opportunities to engage with leading specialists at international events, enabling the filming of expert insights.
- **Language Accessibility:** Subtitles were translated into English, French, Spanish, and Tagalog to ensure broader reach and inclusivity.



Introduction



Country context



ADB context

National Videos

PURPOSE

- Provide **country-specific context** on the value of coral reefs.
- Serve as an introduction to the explainer video: Insurance for Coral Reef Resilience.

KEY OUTCOMES

- Increased understanding of coral reef benefits for local communities and businesses.
- Strengthened national ownership of coral reef knowledge.
- Improved accessibility through national languages and culturally appropriate visuals.



National Videos



Philippines



Indonesia



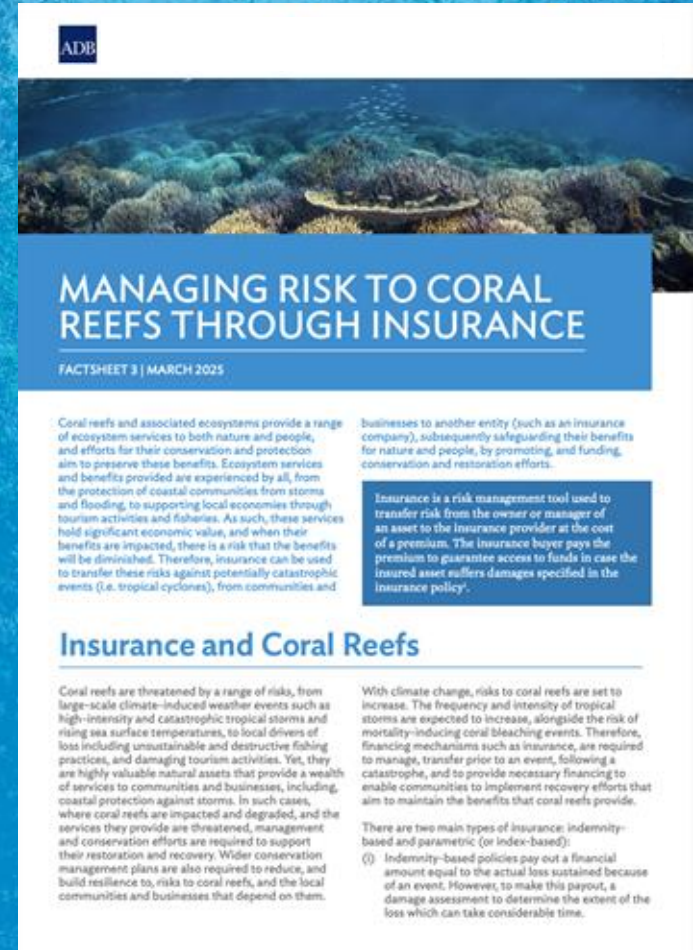
Fiji



Factsheets

Factsheets are a valuable support tool for communicating complex information in a clear and digestible way. They can be useful for a variety of audiences, and contain rich information **supported by case studies** or first-hand accounts of the topic.

1. Coral Reefs In East Asia and the Pacific Region: Managing For Resilience
2. Coral Reef Restoration
3. Managing Risk to Coral Reefs through Insurance
4. What Is Needed for a Parametric Insurance Policy Product?
5. Conservation Trust Funds
6. Other Sustainable Financing Mechanisms



Factsheets - Case Studies

1.	Coral Reefs In East Asia and the Pacific Region: Managing For Resilience	• Using Coral Restoration and Ecotourism to Increase Local Participation and Financial Benefits of Resource Management Efforts.
2.	Coral Reef Restoration	• The Mars Assisted Reef Restoration System (MARRS).
3.	Managing Risk to Coral Reefs through Insurance	• The MAR Insurance Programme – Protecting Coral Reefs from Hurricane Damage.
4.	What Is Needed for a Parametric Insurance Policy Product?	• Parametric coral reef insurance for Fiji's Lau Group. • Lessons Learnt from the Philippines: the Philippines Parametric Catastrophe Risk Insurance Program.
5.	Conservation Trust Funds	• The Papua New Guinea Biodiversity and Climate Fund (BCF). • Asia-Pacific Conservation Trust Fund Network. • The Self-Assessment Tool for Conservation Trust Funds.
6.	Other Sustainable Financing Mechanisms	• List of mechanisms: • Green Taxes – Palau Tourism Blue Tax. • Marine Biodiversity Offsets – Fiji Marine Biodiversity Offsetting. • Debt-for Nature Swaps – USA Restructure Indonesia's debt. • Payment for Ecosystem Services – Indonesia. • Impact Investments – Dominican Republic. • Green & Blue Bonds – Blue Bonds.

Training Tool Kit

Objective: Enable national specialists and trainers to introduce coral reefs, resilience, and parametric insurance to diverse stakeholders, building knowledge and capacity.

Product Overview: Modular tool kit: slide decks, guidance documents, templates, and teaching aids. Covers core topics:

1. Coral reefs: importance, status, pressures and managing for resilience
2. Promoting coral reef resilience & risk management (pre- and post-disaster)
3. Coral reef restoration
4. Understanding insurance for coral reefs
5. Parametric insurance in practice
6. Conservation Trust Funds
7. Other sustainable financing mechanisms
8. Integrating risk financing into management

Building Coastal Resilience through Nature-based and Integrated Solutions - Risk Financing and Insurance Solutions for Coastal Resilience

PPTX 3 – Trainer Guidance: Coral Restoration

This trainer guide provides full delivery support for PPTX 3 – Coral Restoration. It includes a complete trainer script, contextual guidance, and facilitation notes for a 60-minute session.

Slide No. & Title	Trainer Script / Expanded Explanation	Prompts, Considerations & Facilitation Notes
Slide 1 – Coral Reef Restoration	Welcome everyone to this session on coral reef restoration. This module introduces what restoration is, why it matters, and how it fits into broader reef resilience. We will explore different restoration techniques, how to prepare for restoration, and how rapid response after disturbance events can support recovery. By the end of this session, you will have a clearer picture of what restoration can achieve and how it links with management and resilience planning.	- Ask participants what words come to mind when they hear “reef restoration”. - Use this moment to gauge familiarity and expectations. - Keep responses short to stay on schedule. - Emphasize that restoration is not a standalone solution but a complementary tool.
Slide 2 – Session Aims	This session has five aims. First, to explain the role of restoration in reef resilience. Second, to introduce key restoration techniques used across the Indo Pacific. Third, to clarify when and where restoration is appropriate. Fourth, to outline the main phases of restoration, from preparation to long term recovery. And finally, to present a case study that shows how restoration works in practice.	- Clarify that this is an introductory session supported by later modules. - Invite participants to think about which techniques may already be used in their country. - Keep this slide brief to maintain flow.
Slide 3 – What is Coral Reef Restoration	Coral reef restoration refers to actions that assist the recovery of degraded reefs. It can involve improving ecological processes, rebuilding coral cover or restoring physical structure. Restoration can use sexually produced larvae, asexually propagated fragments, or both, depending on the technique. The goal is to help the reef return to a healthier state where natural processes can resume.	- Highlight that restoration is not about recreating a perfect past ecosystem. - Encourage participants to think about which stressors would need to be reduced first in their context.



Training Tool Kit



Building Resilient Ecosystems through Nature-based and Integrated Solutions - Risk Planning and Response Solutions for Coastal Resilience

PPTK 3 - Trainer Guidance: Coral Restoration

This trainer guide provides full delivery support for PPTK 3 - Coral Restoration. It includes a complete trainer script, contextual guidance, and facilitation notes for a 60-minute session.

Slide No. & Title	Trainer Script / Expected Explanation	Prompts, Considerations & Facilitation Notes
Slide 1 - Coral Reef Restoration	Welcome everyone to this session on coral reef restoration. This module introduces what restoration is, why it matters, and how it fits into the wider context of coastal resilience. We will explore different restoration techniques, how to prepare for restoration, and how each response after disturbance events can support recovery. By the end of the session, you will have a clearer picture of what restoration can achieve and how it fits with management and resilience planning.	- Ask participants what words come to mind when they hear "coral restoration". - Use this moment to gauge familiarity and expectations. - Keep responses short to stay on schedule. - Emphasise that restoration is not a standalone solution but a complementary tool.
Slide 2 - Session Aims	This session has five aims. First, to explain the role of restoration in reef resilience. Second, to introduce key restoration techniques used across the Indo-Pacific. Third, to identify when and where restoration is appropriate. Fourth, to outline the main phases of restoration, from preparation to long-term recovery. And finally, to present a case study that shows how restoration works in practice.	- Check that this is an introductory session supported by other modules. - Invite participants to think about which techniques may already be used in their country. - Keep this slide brief to maintain flow.
Slide 3 - What is Coral Reef Restoration	Coral reef restoration refers to actions that assist the recovery of degraded reefs. It can involve transplanting fragments, re-planting, re-establishing cover or repairing physical structure. Restoration can also involve protecting reefs, removing unwanted fragments, or both, depending on the technique. The goal is to help the reef return to a healthier state where natural processes can resume.	- Highlight that restoration is not about recreating a perfect past ecosystem. - Encourage participants to think about what elements would need to be reduced first in their context.

Trainer Script:

Welcome everyone to this session on coral reef restoration. Today we are going to focus on how restoration supports the recovery of damaged reefs and why it has become such an important tool in the Indo Pacific region. Many of you will already be familiar with disturbances such as bleaching, sedimentation, cyclones or localised impacts like anchor damage. Restoration offers a practical way to step in when natural recovery is too slow or when the scale of damage is too large for the reef to heal on its own.

During this session we are going to look at different techniques, how they work, and what makes them successful. We will also explore how restoration needs to be planned in advance, just like any other emergency response. By the end of this session, you should have a clear understanding of how restoration fits into wider reef management and how it can be adapted to your national context.

Optional Text:

You may want to acknowledge local examples. For instance, if participants are from areas affected by recent storms or bleaching, note that restoration is often one of the first tools communities want to mobilise. Highlight that restoration is not a solution for all problems, but it becomes powerful when combined with good management, impact reduction and strong community support.

Transition:

Let us begin by clarifying what we aim to cover in this session.

Training Tool Kit

Building Coastal Resilience through Nature-based and Integrated Solutions – Risk Financing and Insurance Solutions for Coastal Resilience

PPTX 3 – Trainer Guidance: Coral Restoration

This trainer guide provides full delivery support for PPTX 3 – Coral Restoration. It includes a complete trainer script, contextual guidance, and facilitation notes for a 60-minute session.



Slide No. & Title	Trainer Script / Expanded Explanation	Prompts, Considerations & Facilitation Notes
Slide 1 – Coral Reef Restoration	Welcome everyone to this session on coral reef restoration. This module introduces what restoration is, why it matters, and how it forms part of broader reef resilience. We will explore different restoration techniques, how to prepare for restoration, and how rapid response after disturbance events can support recovery. By the end of this session, you will have a clearer picture of what restoration can achieve and how it links with management and resilience planning.	- Ask participants what words come to mind when they hear “reef restoration”. - Use this moment to gauge familiarity and expectations. - Keep responses short to stay on schedule. - Emphasise that restoration is not a standalone solution but a complementary tool.
Slide 2 – Session Aims	This session has five aims. First, to explain the role of restoration in reef resilience. Second, to introduce key restoration techniques used across the Indo Pacific. Third, to identify when and where restoration is appropriate. Fourth, to outline the main phases of restoration, from preparation to long term recovery. And finally, to present a case study that shows how restoration works in practice.	- Clarify that this is an introductory session supported by later modules. - Invite participants to think about which techniques may already be used in their country. - Keep this slide brief to maintain flow.
Slide 3 – What is Coral Reef Restoration	Coral reef restoration refers to actions that assist the recovery of degraded reefs. It can involve improving ecological processes, rebuilding coral cover or restoring physical structure. Restoration can use sexually produced larvae, asexually propagated fragments, or both, depending on the technique. The goal is to help the reef return to a healthier state where natural processes can resume.	- Highlight that restoration is not about recreating a perfect past ecosystem. - Encourage participants to think about which stressors would need to be reduced first in their context.



Training Tool Kit

Interactive Games:

Fishing for the Future | Coastal Choices |
Sinking Island

Guidelines for additional presentations:

- Swiss Re General Recommendations Risk Financing and Insurance for Coral Reefs 2025.
- Coral Reef Risk Financing and Insurance Solutions for General Luna, Siargao, Philippines – A Business case for action.
- Indonesia Guidelines: Readiness and Enabling Conditions for Coral Reef Insurance.

Building Coastal Resilience through Nature-based and Integrated Solutions - Risk Financing and Insurance Solutions for Coastal Resilience

PPFTX 10.2 – Trainer Guidance Table: Coral Reef Risk Financing and Insurance Solutions for General Luna, Siargao, Philippines – A Business case for action.

This trainer guide provides a presentation framework to support the development of an additional training session based on the Coral Reef Risk Financing and Insurance Solutions for General Luna, Siargao, Philippines – A Business case for action - document. It includes slide content, complete trainer script, contextual guidance, and facilitation notes for a 45-minute session.

Slide No. & Title	Slide Content	Trainer Script / Expanded Explanation	Prompts, Considerations & Facilitation Notes
Slide 1 – Title Slide	Philippines Case Study: Coral Reef Insurance Feasibility and Turn Sheet Options	"This presentation explores findings from the Philippines Business Case study. It focuses on the feasibility of coral reef insurance, different term sheet options and lessons from the Philippines that may inform future design in other countries."	• No prompts for this slide
Slide 2 – Session Aims	This session aims to outline the feasibility assessment undertaken in the Philippines. It summarises the different orders and	"This session draws on the Philippines experience assessing reef insurance options. It presents the findings in a	• "What do you hope to learn today about how insurance could support reef recovery?"

Building Coastal Resilience through Nature-based and Integrated Solutions - Risk Financing and Insurance Solutions for Coastal Resilience

PPFTX 10.2 – Trainer Guidance Table: Coral Reef Risk Financing and Insurance Solutions for General Luna, Siargao, Philippines – A Business case for action.

This trainer guide provides a presentation framework to support the development of an additional training session based on the Coral Reef Risk Financing and Insurance Solutions for General Luna, Siargao, Philippines – A Business case for action - document. It includes slide content, complete trainer script, contextual guidance, and facilitation notes for a 45-minute session.

Slide No. & Title	Slide Content	Trainer Script / Expanded Explanation	Prompts, Considerations & Facilitation Notes
Slide 1 – Title Slide	Philippines Case Study: Coral Reef Insurance Feasibility and Turn Sheet Options	"This presentation explores findings from the Philippines Business Case study. It focuses on the feasibility of coral reef insurance, different term sheet options and lessons from the Philippines that may inform future design in other countries."	• No prompts for this slide
Slide 2 –	This session aims to outline the feasibility	"This session draws on the Philippines	• "What do you hope to learn today about how insurance could support reef recovery?"

Have storms in your area or coastal tunnels?"

Building Coastal Resilience through Nature-based and Integrated Solutions - Risk Financing and Insurance Solutions for Coastal Resilience

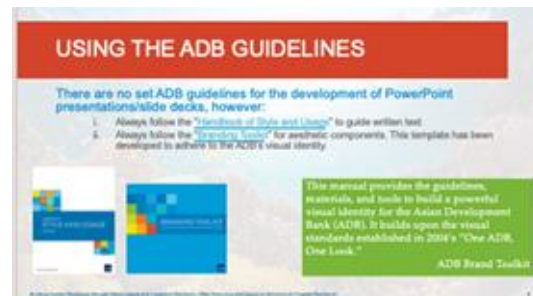
PPFTX 10.3 – Trainer Guidance Table: Indonesia Guidelines: Readiness and Enabling Conditions for Coral Reef Insurance.

This trainer guide provides a presentation framework to support the development of an additional training session based on the Coral Reef Post-Disaster Risk Management and Restoration Plan for typhoon-induced temperature increases/sea water level events in Nusa Penida, Klungkung Regency, Indonesia – document. It includes slide content, complete trainer script, contextual guidance, and facilitation notes for a 45-minute session.

Slide No. & Title	Slide Content	Trainer Script / Expanded Explanation	Prompts, Considerations & Facilitation Notes
Slide 1 – Title Slide	Indonesia Guidelines: Readiness and Enabling Conditions for Coral Reef Insurance	"This presentation summarises the Indonesian guidelines for coral reef insurance. It highlights the enabling conditions, governance arrangements and lessons learned from Indonesia's process of assessing reef insurance readiness."	• No prompts for this slide
Slide 2 – Session Aims	This session explains the readiness work undertaken in Indonesia. It summarises the enabling conditions identified for reef insurance. It outlines key institutional roles and responsibilities. It supports learners to deliver the material or create their own PPFTX using this structure.	"By the end of this session, you will understand the main enabling conditions that Indonesia identified for reef insurance and how these relate to governance, data, institutions and response planning."	• "What would you like to learn about Indonesia's experience?"
Slide 3 – Introduction & Context	Indonesia has extensive coral reef systems that support livelihoods, coastal protection and tourism. Reef condition is declining due to storms, bleaching and local pressures. The guidelines were developed to explore how insurance could strengthen resilience and support rapid response after damaging events.	"Indonesia is home to some of the world's most important coral reefs. The country faces increasing hazards, making reef resilience a major priority. The guidelines outline how insurance could help strengthen early action and recovery."	• "How is Indonesia's situation similar to your context in the Philippines?"

Have storms in your area or coastal tunnels?"

Training Tool Kit Powerpoint Template



Training Tool Kit

Importance of Knowledge Products

- Work together as an interconnected suite of resources.
- Build capacity and share knowledge on coral reef resilience and risk management.
- Support training, outreach, and awareness for diverse audiences.
- Enable scalable, replicable knowledge transfer across national projects.
- Highlight the benefits of coral reefs for coastal communities and livelihoods.
- Developed with national knowledge management experts.



Explainer Video



Thank you

margaux@blue-pangolin.co.uk



Swiss Re



global
environment
facility
INVESTING IN OUR PLANET

ACIiFF



BluePangolin



KONSERVASI
INDONESIA