

GCCA Intra-ACP Programme

Regional Technical Support Mechanism

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Mauritius



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With SPREP, & SPC



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Blue Economy in Pacific Large Ocean States

PRINCIPLES

- Substitute something with Nothing – question any resource regarding its necessity for production.
- Nature provides room for entrepreneurs who do more with less. Nature is contrary to monopolization.
- Nature only works with what is locally available. Sustainable business evolves with respect not only for local resources, but also for culture and tradition

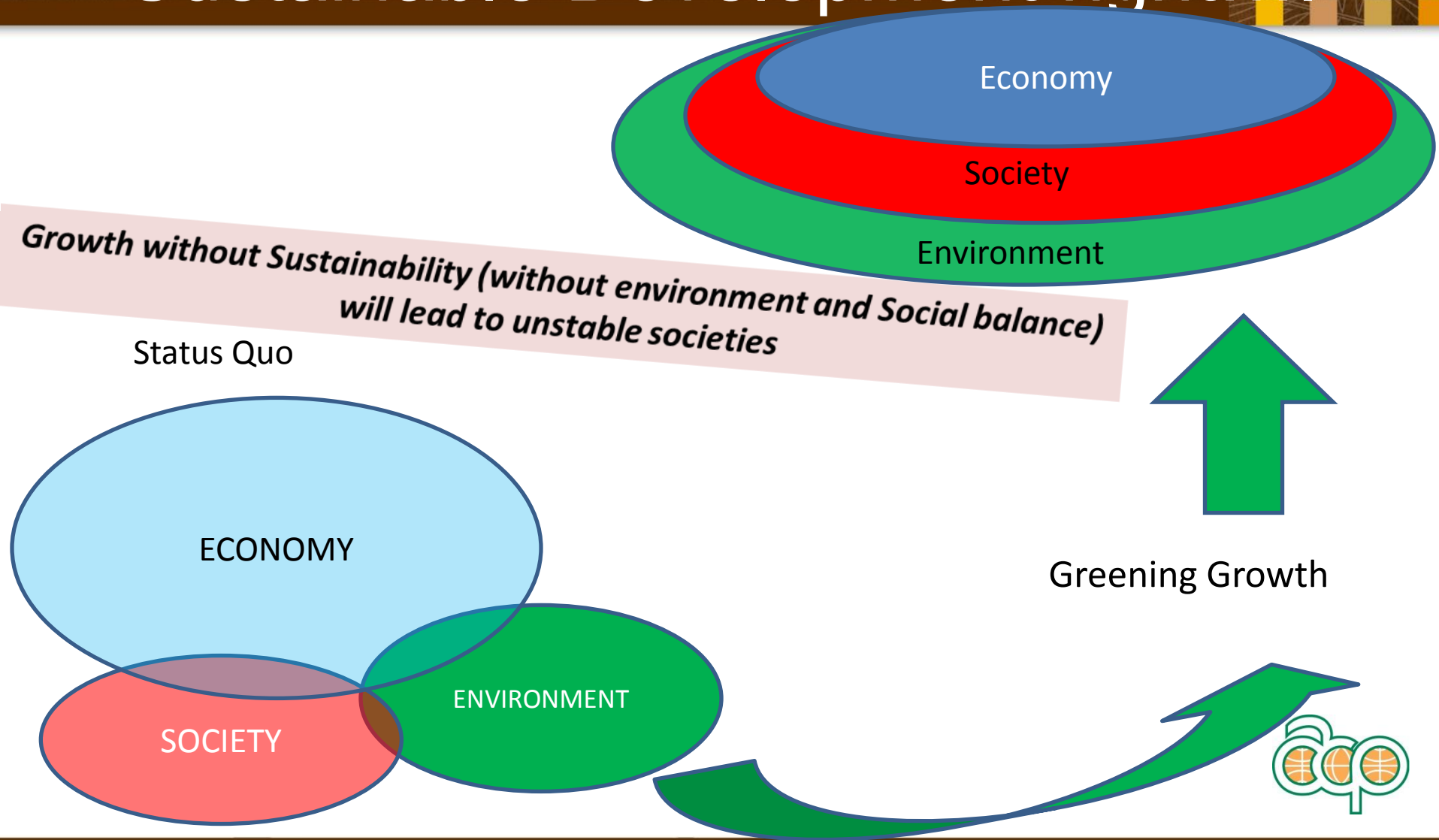


Blue Economy = Value Nature

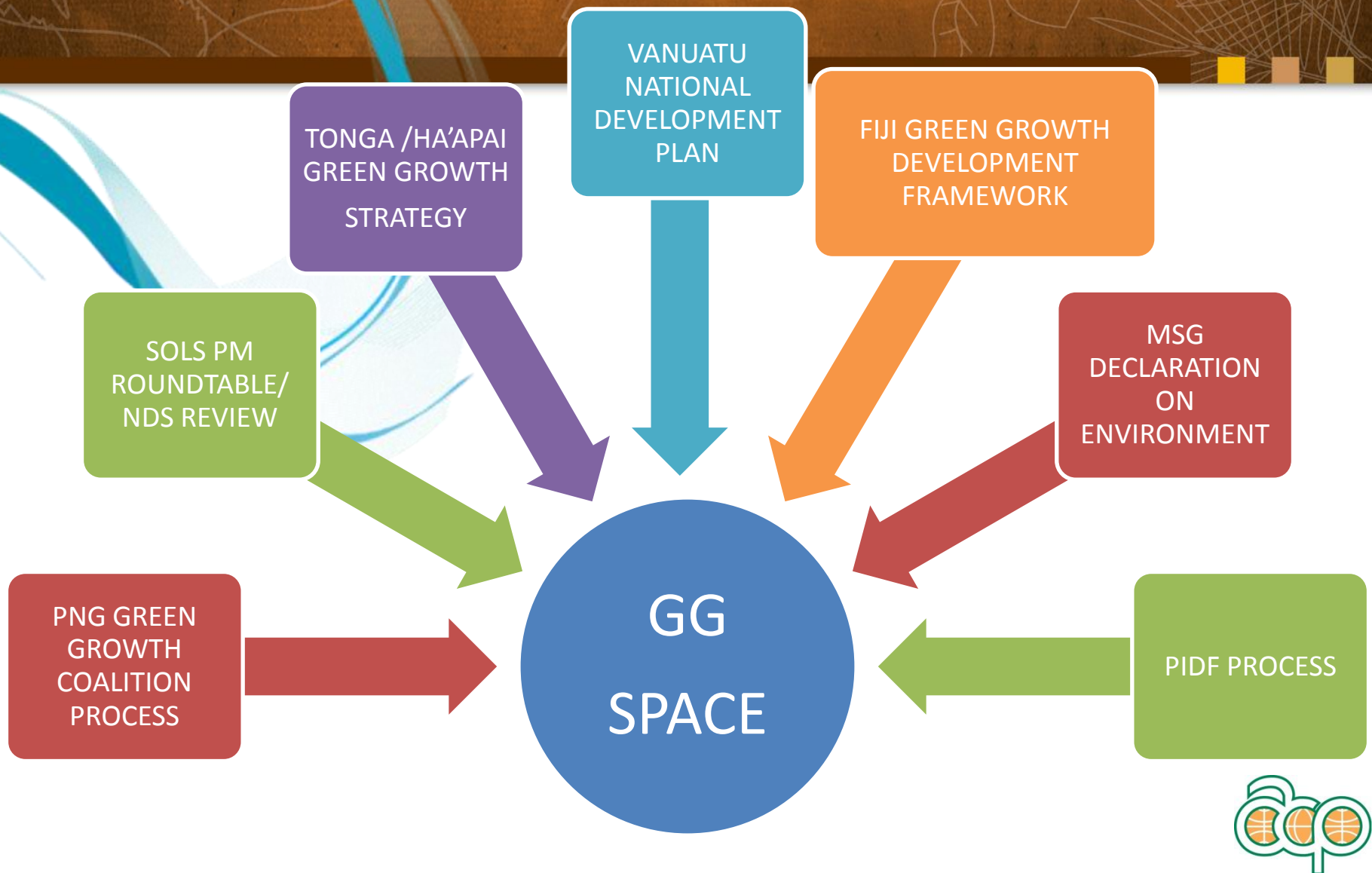


- The sustainable development of Pacific Big Ocean States relies on the health and vitality of the marine environment (nature).
- Shift from vulnerability to value (both ocean and coastal marine ecosystem).
- Rights and ownership of resources (who owns and decides on benefits).
- Managing resources (for healthy ocean habitats)

Pivotal Decade – Getting Sustainable Development right.....

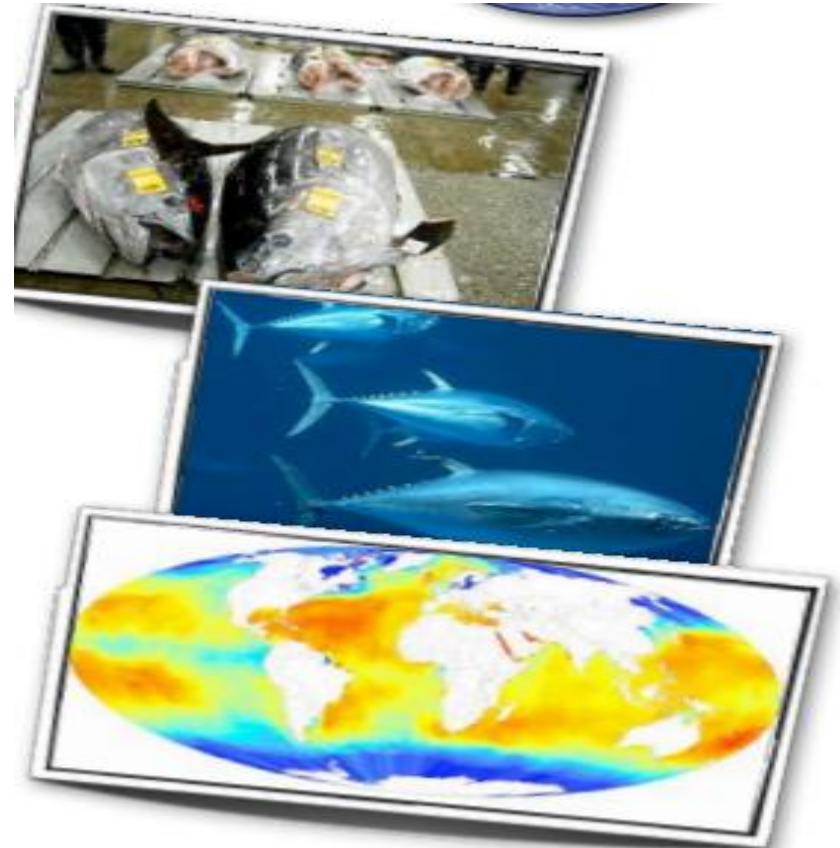


PROMOTING OWNERSHIP AND PARTNERSHIPS



Blue Economy – Key Issues

- Climate Change
- Ocean biodiversity & habitat
- Fisheries: tuna and sea cucumbers critical resources
- Need to sustainably manage the resources (support efforts for conservation and management – large/small marine protected areas)



Key Priorities

- Increasing the share of benefits that Pacific SIDS receive from the use of their marine living resources
- Reducing overfishing beyond maximum sustainable yields, destructive fishing practices, and illegal, unreported and unregulated fishing
- Building the resilience of marine ecosystems, and coral reefs in particular, to the impacts of climate change and ocean acidification

Blue Economy = Sustainable Ocean States

- Optimizing revenue, opportunity, food security, adaptation to climate change
- Fisheries: tuna and sea cucumber are engines for blue economy
- Securing coastal fisheries through policy, management & enforcement (coastal zones, marine protected areas)
- For food security and income opportunities



What happens to Anthropogenic CO₂ Emissions?

30.5 ± 1.5 Gt CO₂/yr 90% 15.8 ± 0.4 Gt CO₂/yr



3.67 ± 1.8 Gt CO₂/yr 10% + 9.5 ± 2.9 Gt CO₂/yr 28%



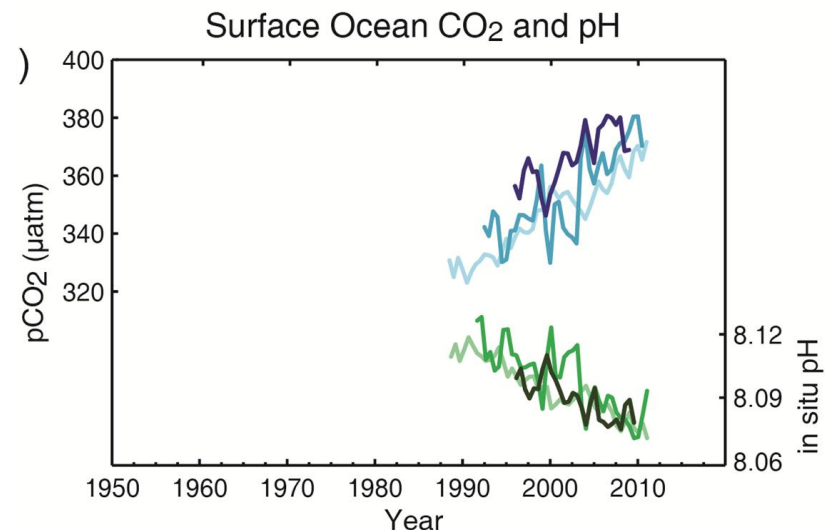
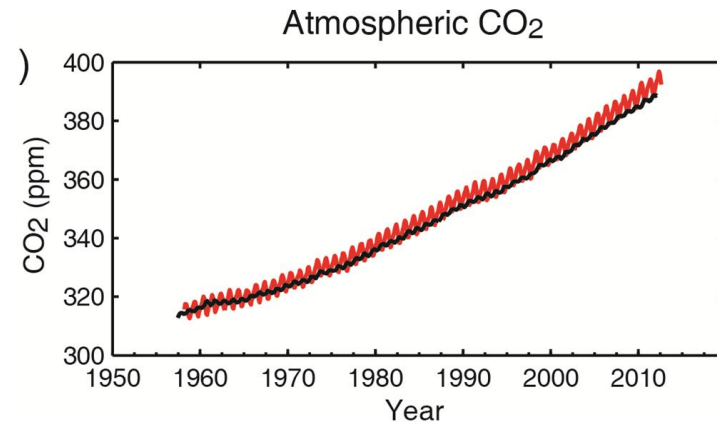
Calculated as the residual
of all other flux components

26%
9.2 ± 1.8 Gt CO₂/yr



Atmospheric and
surface ocean
 CO_2 are rising and
ocean pH is
declining

IPCC AR5 'Physical Science Basis'



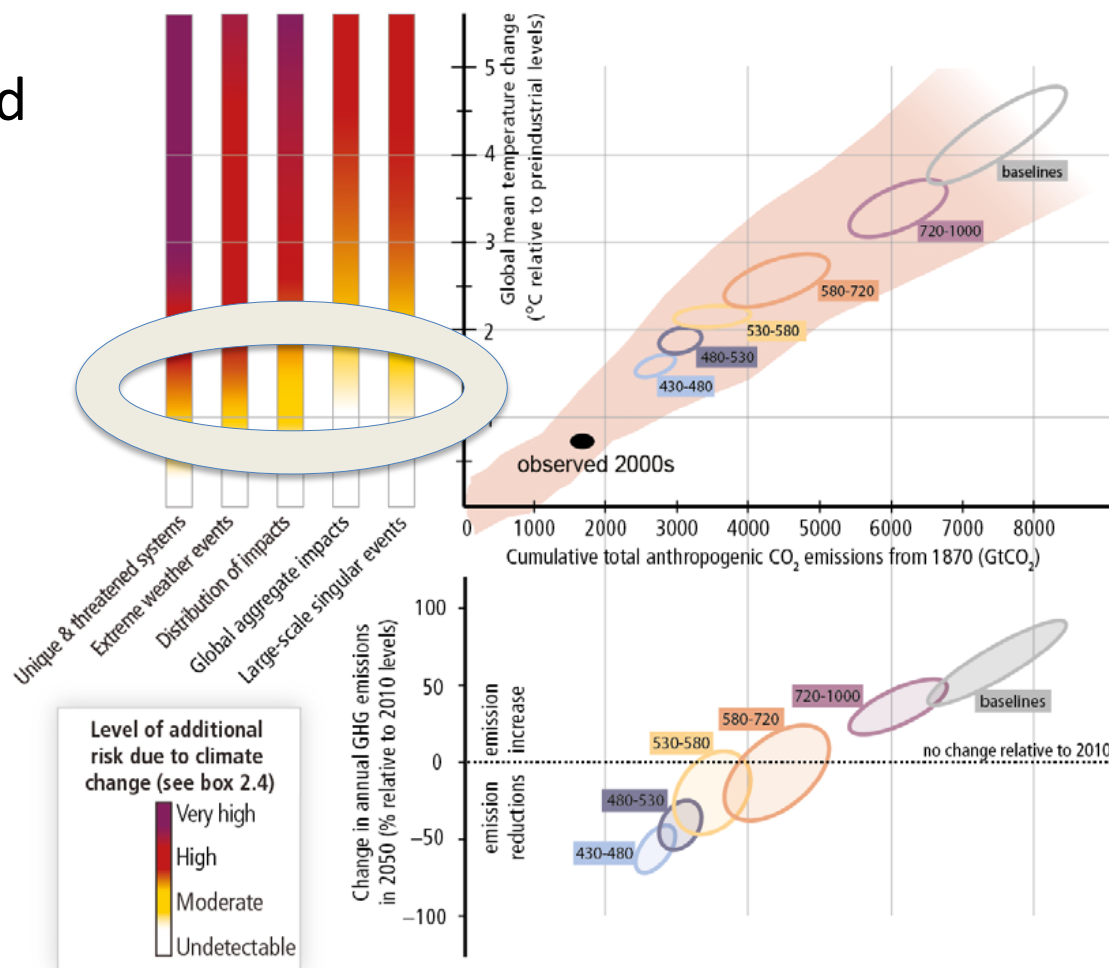
What are carbon emissions for Pacific large ocean states?

- Our emissions: -8.11 (0.001 Pg Cyr⁻¹)
- Total PICT Ocean Sink: -776 (.211 Pg Cyr⁻¹)
- ***Our NET emissions: -784 million metric tons CO₂ (0.214 Pg Cyr⁻¹)***
- ***Worth 4.7 billion dollars on today's Carbon Exchange***



(A) Risks from climate change... (B) ...depend on cumulative CO₂ emissions...

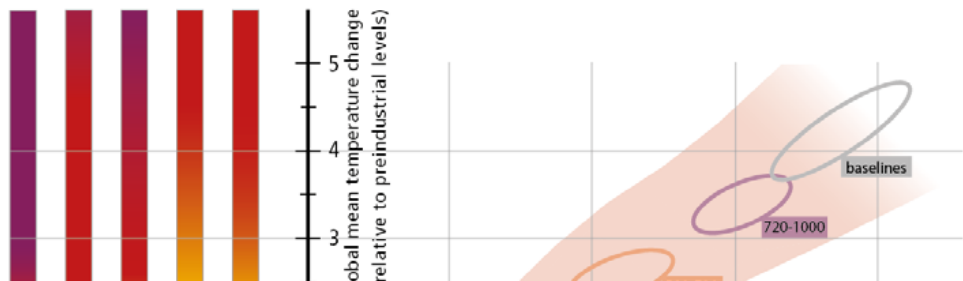
Linking GHG emissions and Risks



Article 2 of the UNFCCC calls for the prevention of dangerous anthropogenic climate change

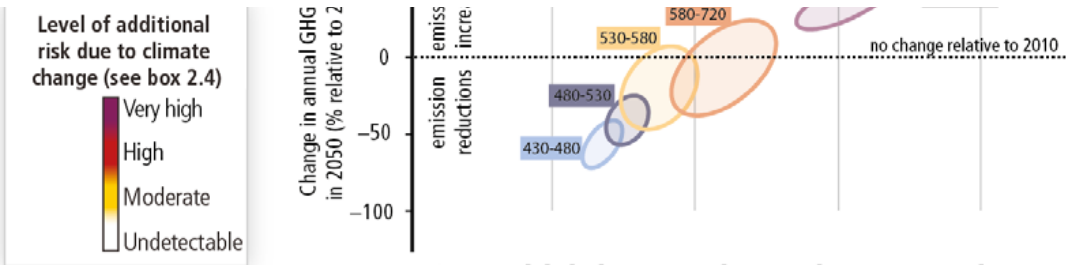
Linking GHG emissions and Risks

(A) Risks from climate change... (B) ...depend on cumulative CO₂ emissions...



Emissions remaining: before the threshold is exceeded

1.5 °C: 275 Gt Carbon dioxide
 2 °C: 1000 Gt Carbon dioxide



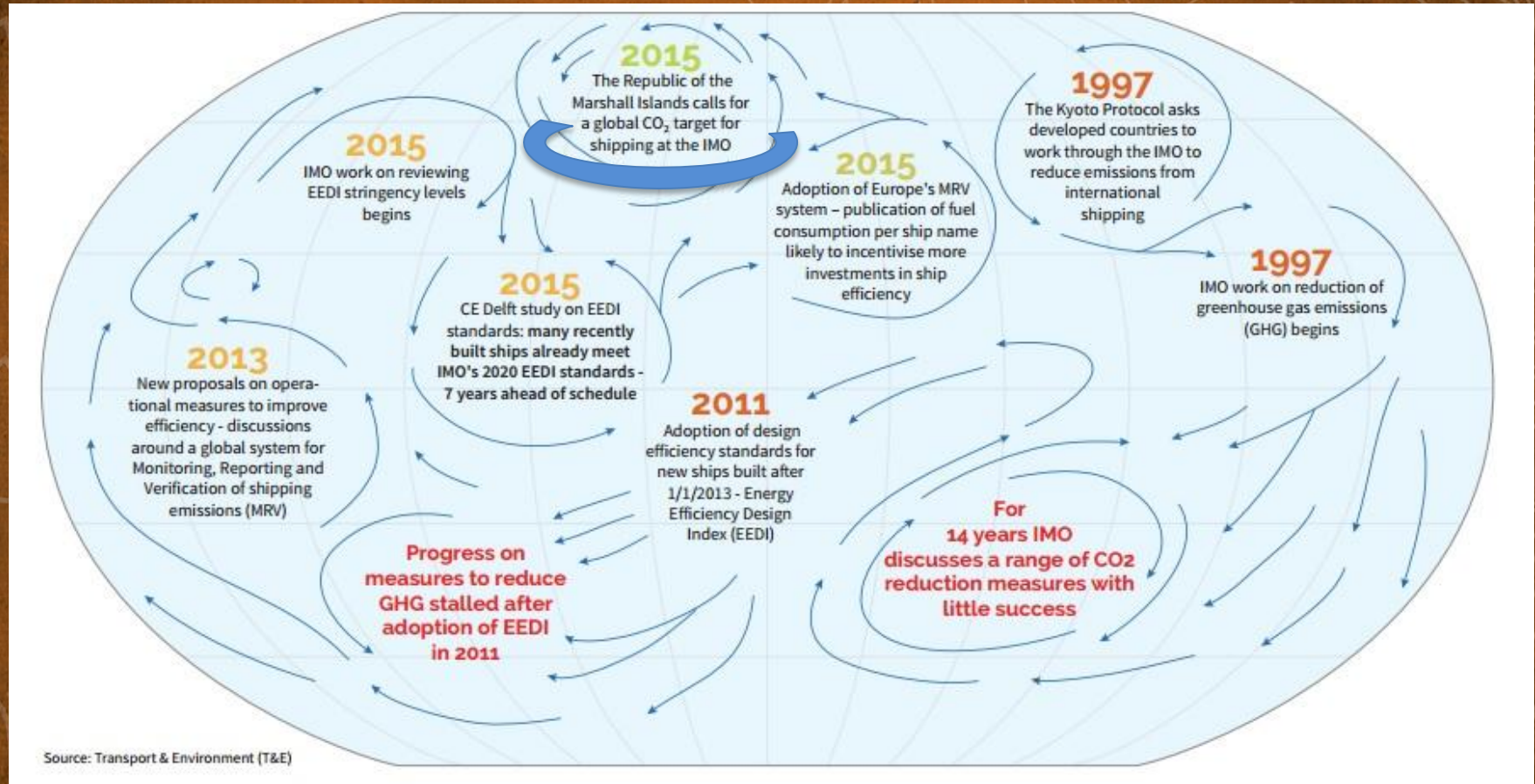
(C) ...which in turn depend on annual GHG emissions over the next decades

The Pacific region



Around **10 million people** and **25,000 islands** scattered across **3 million square miles** of the Pacific Ocean, the Pacific region is arguably the **most dependent on sea transport** in the world.

Pacific large ocean states: LEADING the way



An initiative of the ACP Group of States funded by the European Union

IMO report, MEP69: 22 April, 2016

2016 IMO meeting, last week

“...The same countries that celebrated in Paris, must now follow through on that commitment and demonstrate their conviction through action at IMO.... Today, in this room, we have the opportunity to demonstrate that the IMO is the competent organization to control shipping’s GHG, and that our signatures in New York this week are not just ceremonial, but equate to meaningful action. Today, we can demonstrate that we have understood the message and that we are willing to act upon our responsibility...” Solomon Islands

“The progressive *coalition d alignment* led by Solomon Islands and RMI included the EU, many in industry and many vulnerable states. 2 of the 3 biggest flags (Liberia and Marshall Islands) and 7 of the 10 biggest flags (except Panama, HK and China) were in support. “

Source: Transport



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IPCC outcomes

Nairobi, Kenya, April 14, 2016

http://www.ipcc.ch/news_and_events/pdf/press/160414_pr_p43.pdf

- 1.5 ° C Special Report
- Climate Change, Oceans and Cryosphere Special Report
- Special Report on Climate Change, Desertification, Land Degradation, Sustainable Land Management, Food Security, and Greenhouse Gas Fluxes in Terrestrial Ecosystems
- Sixth Assessment Cycle (AR6) begins, with stronger regionalization
- Cities Special Report ¹⁷ early in 7th Assessment



Ocean Planning & Marine Portfolios

- Regional & National
- Tuna & Pelagic
- Food, Near shore fisheries
- Tourism
- Passage & other services
- Ocean Warming, Vulnerability and Carbon Uptake



Pacific Blue Economy Initiatives

- Framework for Pacific Oceanscapes: an approach to sustainable ocean management. The region contains the largest pristine marine ecosystems and is home to almost 60 percent of the world's tuna stocks.
- Blue Carbon Initiative coordinated by Conservation International, IUCN and UNESCO is working to mitigate climate change through the restoration and sustainable use of coastal and marine ecosystems



USP EU GCCA+ contributions

- Supported Green Growth Development and Frameworks together with Climate Policy implementation: Majuro Declaration, Suva Declaration, Green Economies in a Blue World, Paris Agreement, PIDF approach CSO (non-State actors), National Governments, and Private Sector, Sustainable Development Goals, SAMOA Pathway, Integrated Climate and Disaster Management & International Maritime Organisation
- IPCC & Global Framework on Climate Services







Pacific solutions for a better planet



Pacific Environment and Climate Exchange (PECX)



Mission

To create environmental, climate change and sustainable development solutions by empowering and connecting people, ideas and projects in the Pacific island nations with people, ideas and financing from around the globe.



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PROMOTE

To promote the purchase of Carbon Offsets, Climate Mitigation Certificates, Social Goodwill Campaigns and the related greater interests with respect to any/all partner donations and efforts.



SOURCE

To discover, nurture and present a diversified portfolio of projects and campaigns that will deliver anticipated returns to stakeholders and sustainable benefits to the Pacific island people.



REFORESTATION & AFFORESTATION



There are numerous environmental, social and economic benefits that reforestation projects bring to a region including jobs, timber, agriculture, infrastructure, beautification and more...

MARINE ECOSYSTEMS



The very definition of an island nation means that the Ocean is a critical element of so many parts of daily life. Safeguarding and nurturing the delicate balances requires committed diligence.

ENDORSE

To additiously analyze, audit and assess both submitted project proposals and ongoing results of funded programs in order to maximize stakeholder confidence in PECO output and services.



MATCH

To serve as a fluent information and motivational conduit to the marketplace that aligns like-minded, quality project and campaigns to partners seeking optimal value for their contributions.



TRANSPORT & ENERGY



Creating sustainable access and transportation for what is generally the largest carbon and financially draining activity.

SOCIAL ADAPTION



The Pacific Islands are generally considered lesser developed nations and with that comes inherent social ills that are prevalent in many similar economic climates.

GOVERNMENT

South Pacific Nations regularly seek to foster and fuel integrated environmentally and socially beneficial programs and they recognize the need to look to new source mechanisms.



NGO'S

Non-Government Organizations have traditionally made lesser developed and island nations a priority and aggressively seek innovative, effective means to render impactful.



CARBON CREDIT



To deliver to the world, qualified and quantified South Pacific projects that either mitigate negative climatic effects within the Pacific region or reduce the greenhouse effects globally.

ENVIRONMENTAL CREDIT



To more directly assist Pacific Islanders with Climate Change issues and consequences via Climate Mitigation Certificates that address adaption as much as sequestration.

INDIVIDUAL

For some, existing towards a carbon free life is only the beginning. They seek projects that match their ideology and wish to volunteer, donate and support in traditional and non-traditional ways.



CORPORATE

Corporate social responsibility has become a near essential component of an impressive corporate identity and many firms recognize the benefits of engaging unique, effective and relevant campaigns.



GOODWILL



To showcase projects in South Pacific that deliver powerful Social Goodwill outputs and to work with every donating partner in optimizing their ability to faithfully promote their recognized generosity.

CASH R.O.I



To present a portfolio of sustainable private sector projects that serve Pacific Islanders and their environmental concerns while also delivering commensurate financial returns to its partners.





CREATE A PROJECT

LOGIN / REGISTER

WHO WE ARE

ABOUT YOU

ABOUT PCX

THOSE TAKING ACTION

THE ACTION

HOW TO HELP

IT'S ABOUT YOU

IT'S ABOUT TIME

FIJI AIRWAYS SUPPORTS SUSTAINABLE
CULTURAL GROWTH PROJECT

TOTAL GAS SUPPORTS PACIFIC

RESTORATION OF
HERITAGE

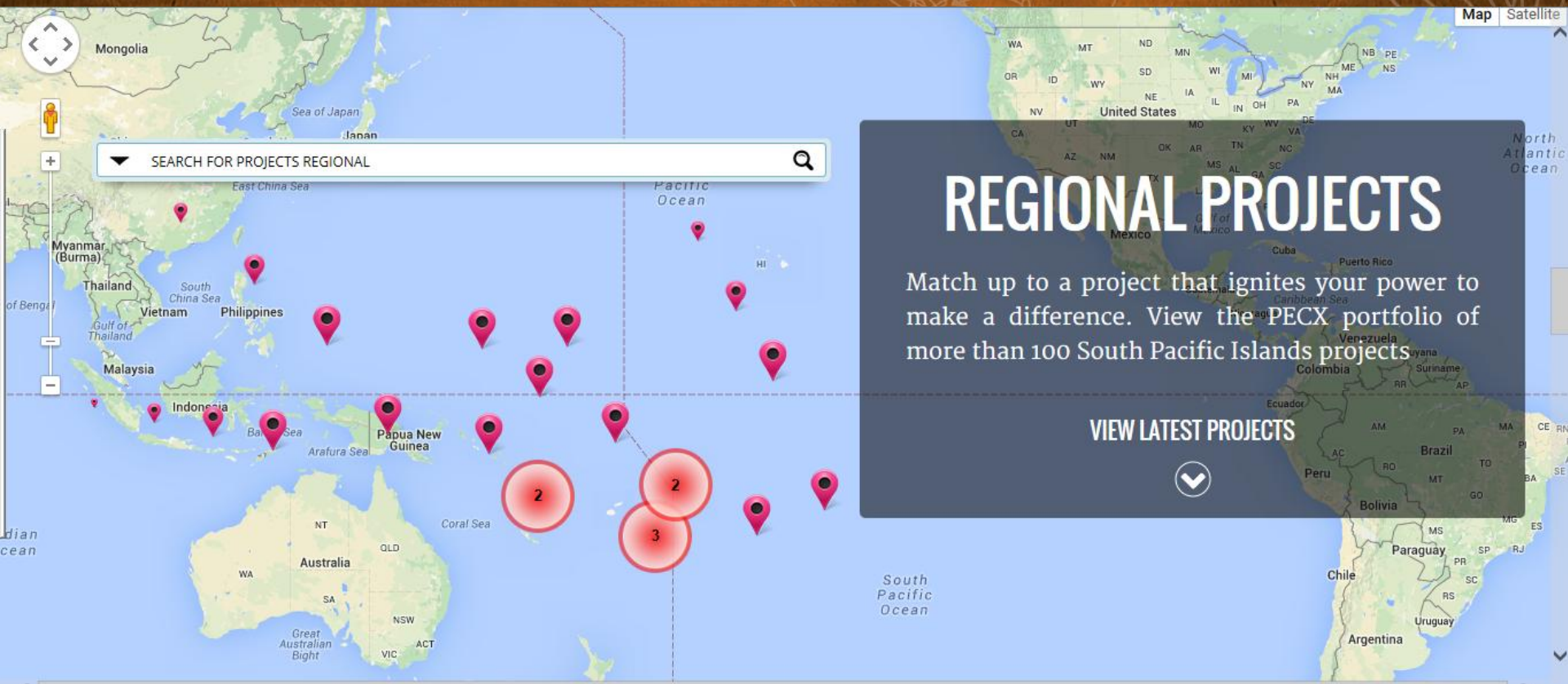
GLOBAL WARMING

RESIDENTIAL SOLAR



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SOUTH PACIFIC COFFEE AND COCOA

South Pacific Coffee and Cocoa (SPCC) will create an 'organic' organisation, where we train, assist and unite farmers with a built-in marketing mechanism, designed to sell the commodities produced by Fijian Farmers at 'Farm Gate' prices. A portion of the profits will be given back to the Pacific Environment and Climate Change (Pacific-ECC) organisation for administration and/or development purposes as it continues to look for opportunities to empower the indigenous populations within the South Pacific, conceiving projects similar to what is being presented.



BY ADMIN



RESIDENTIAL SOLAR STREET LIGHTS

In residential areas where conventional, grid-connected electric streetlights have yet to be installed, neighborhoods overseas are beginning to adopt stand alone solar or hybrid, solar-wind powered streetlights.

These lights have first-cost, energy savings, and greenhouse gas reduction benefits apart from benefits in the way of security and better night and low-light visibility for traffic.

In a solar streetlight, a solar panel absorbs sunlight and converts it to electricity to generally to power a 60W LED pole-mounted street light. The overall streetlight system consists of a small solar panel, a 60W LED street light fixture, a battery, controller, and a pole 18-24 feet high. Exact system specifications will depend on average local solar insolation, desired working hours per day of the streetlight, and backup days of storage desired for periods of low/no sun.



BY ADMIN



BIRDLIFE PREVENTING EXTINCTIONS PROGRAMME

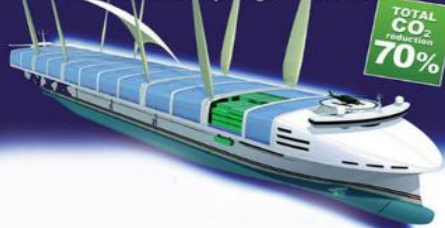
The Fiji Petrel (CR) is one of the world's rarest and least-known seabirds, and one of only a few seabird species whose breeding colony/sites remain completely unknown. It is endemic to the island of Gau in Fiji's Lomaiviti archipelago. Formerly known from a single museum specimen collected in 1855, the species' continued existence was only confirmed in 1984. Since that time there had been seventeen further confirmed or credible records from the island, all involving single birds found grounded in villages until 2009 when chumming at sea organized by NatureFiji-MareqetiViti NFMV resulted in the confirmed sightings of 11 Fiji Petrels. In 2011 (October and November), two Fiji Petrels landed in a village on the island, and another landed in the same village in November 2012. Biometric and plumage data from these were successfully collected enabling the birds to be tentatively aged, they were banded and released. The November 2012 grounding also resulted in the first ever recordings of the call of the Fiji Petrel.



BY ADMIN

NYK Super Eco Ship 2030

Green Ship Design for the Future



SUSTAINABLE SEA TRANSPORT FOR THE PACIFIC ISLANDS

Sea transport is the lifeline of Pacific Island Countries (PICs) and communities, moving the vast majority of people, goods and resources. It is crucial for trade and economic development and impacts upon virtually every development initiative (UNCTAD, 2014). Yet for many PICs, existing maritime transport services are increasingly unaffordable and unsustainable (AusAID, 2008; Nuttall et al 2014a). Ships are often old, poorly maintained and inefficient (ADB, 2007), and there is a vicious cycle of old ships being replaced with old ships (Nuttall et al, 2014a). Fossil fuel is often the largest single operating cost for shipping operators. Combined with narrow reef passages and small loads, many routes are unviable and uneconomic.



BY ADMIN



NATEWA NATIONAL PARK - GREAT WALKS

The Natewa Peninsula is bounded along its southern side by the Koro Sea and along its northern side by the massive Natewa Bay (the largest bay in the South Pacific). The peninsula is geologically and biologically an 'almost island' that is 50km long and averages 10km wide. PROJECT CARBON COUNTER ~ 5000 units



BY ADMIN



PIRF RAINFOREST BOTANIC GARDENS AND SEED BANK

The PIRF Rainforest Botanic Gardens and Seed Bank is intended to be the largest ex situ plant conservation project in the Pacific. To date there has been little if any work to catalogue and plan to save the endemic species of the South Pacific Rainforests. Our focus is on Pacific rainforest plant life faced with [...]





*Don't judge your day by
the seats you fill, rather by
the seeds you plant.*

Fiji Airways Reforestation Foundation.



“The ocean was given to us by our ancestors to manage so that we could pass it on to our children and future generations. It is our common responsibility and moral obligation for our children.”

Foua Toloa, Minister, Tokelau, Commissioner, Global Ocean Commission

<https://www.change.org/p/ban-ki-moon-help-secure-a-living-ocean-food-and-prosperity-propose-a-new-agreement-for-high-seas-protection-2>



Thank You
Tank yiu tumas
Kommol tata
Vinaka vakalevu

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