Pacific Islands Ridge to Reef National Priorities – Integrated water, land, forest and coastal management to preserve biodiversity, ecosystem services, store carbon, improve climate resilience and sustain livelihoods

Regional guidelines – Science to Policy Theory of Change

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RSC-5 Meeting
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Regional guidelines – Science to Policy Framework

Reflect on the (modified) approved R2R Science-Policy theory of change adapting to changing circumstances, and provide renewed commitments, if any, towards mainstreaming R2R in either planning process and/or policy development;
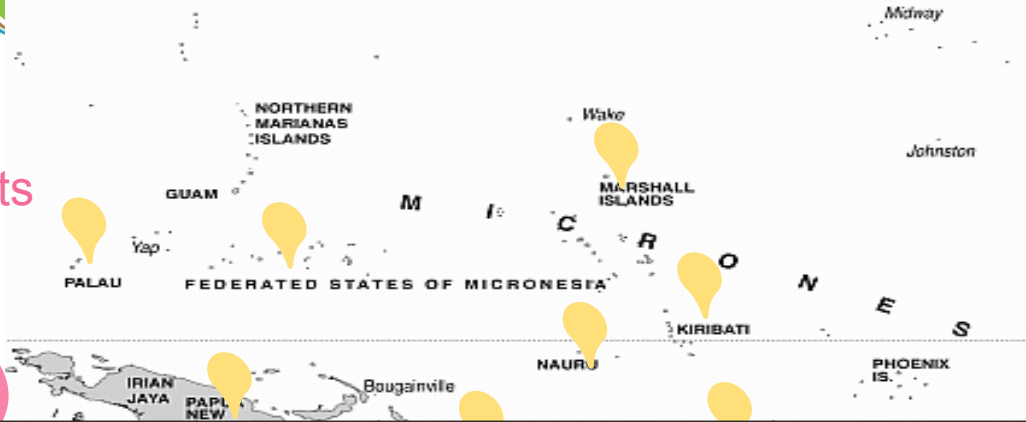
Approve the guidelines to implement the science-policy framework in future R2R investments

Pilot Projects

Output Indicators	Number of Countries	Measure	Unit
Municipal Waste Pollution Reduction	4	Reduction in TN, TP, BOD	kg/yr
Pollution Reduction to Aquifer	2	Reduction in TN, TP, BOD	kg/ha/yr
Restored Habitat	3	Area restored/revegetated	ha
Conserved or Protected Wetland or Fish Refugia	2	Area protected	ha
Catchment Protection Measures	6	Area under improved management	ha

1. Restored habitat – revegetation programs
2. Municipal waste pollution reduction (aquifers, coastal areas)– sanitation system upgrades and dry litter piggeries
3. Catchment protection measures – sustainable land use, agricultural best practice, ICM plans
4. Conserved/protected wetlands, fish refugia – coastal and fisheries management plans
5. Participatory environmental monitoring programs
6. Ecosystem process and habitat health monitoring programs
7. Assessment of eco-sanitation and dry-litter piggery technologies

Project Objective: To test the mainstreaming of 'ridge-to-reef' (R2R), climate resilient approaches to integrated land, water, forest and coastal management in the PICs through strategic planning, capacity building and piloted local actions to sustain livelihoods and preserve ecosystem services

IW GEF R2R Science to Policy – Theory of Change

Impacts

Increased knowledge and understanding around R2R approach

Greater use of science based information in decision making process

Improved institutional setting for informed decision making and action

Outcome

1.1 Successful pilot projects test innovative solutions that link ICM, IWRM and climate change adaptation

1.2 Diagnostic analysis for prioritizing/ scaling up key ICM/ IWRM reforms & investments

3.1 National and regional strategic action frameworks for ICM/IWRM endorsed nationally & regionally

Outputs

IW Pilot Site Diagnostic Reports

National Diagnostic Reports

Characterisation and Prioritisation Procedure Guidelines

Effective data and knowledge sharing

Effective networks

National State of the Coast Reports

Assessment and advice to organisations

National Strategic Action Frameworks for ICM/IWRM

Plans and Policies

Activities

Data collation and field surveys

Technical support

R2R Networks

R2R Training

Stakeholder engagement

Participatory analysis and decision making

Action Plan for IW Science to Policy Approach

Step One

R2R Mainstreaming Team & Scoping
- Team leads and participates in all Regional and National IW R2R program of activities
- include people representing the pilot site, local leaders and skilled interested individuals from various groups (community, church, youth, women, NGOs) and relevant national agencies
- national IW R2R Project Manager will act as Secretariat for the team

Step Two

Baseline and Data Collection
- Data will be collated for the pilot site and relevant national level data
- Gaps in recent data for the pilot site will be filled with field survey (RAPCA)
- Data collected will be used in steps 3-5

- Joint planning, analysis, and communication of findings
- Share field and secondary data for input into models and SoC Reports

Step Three

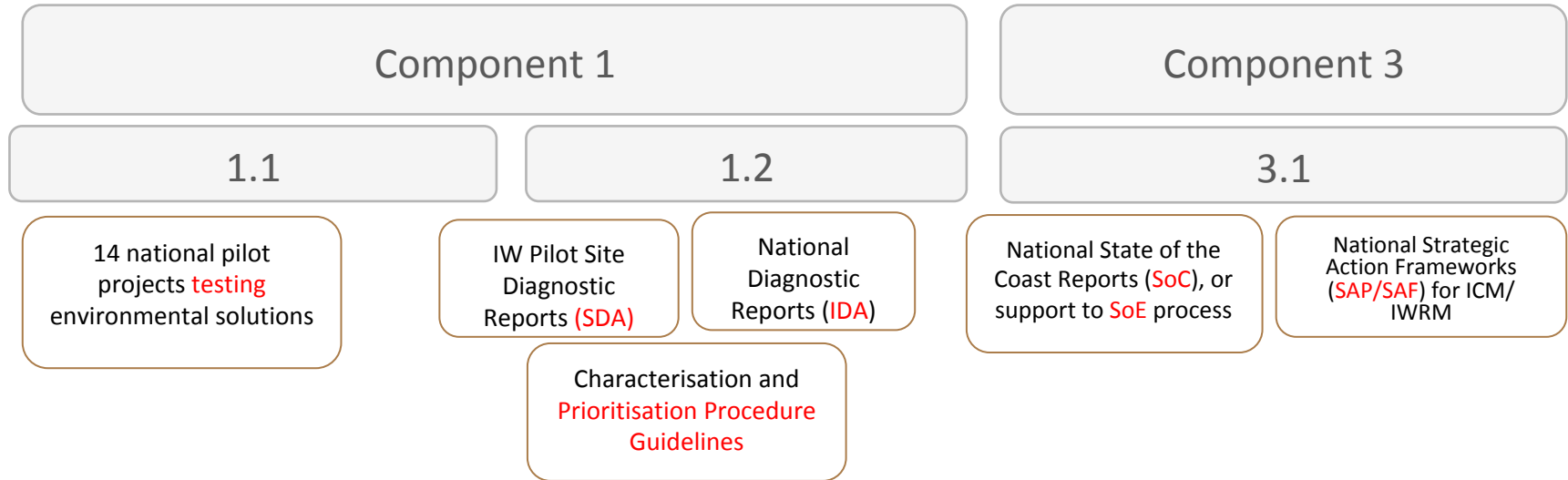**Diagnostic Process**
- Problem understanding and articulation

Diagnostic Process
- priority systems and plans for actions and interventions
- Policy evaluation and recommendation

- Support stakeholder participation in diagnostic process and SoC consultations

Step Four

Spatial Prioritisation
- national-scale prioritization map to inform selection of sites for management interventions
- Map of marine, catchment health, and human pressures on land - seascapes

Step Five

State of the Coast Report
Linkages between the efforts to identify and evaluate socio-environmental issues and problems, empirical data for priority coastal areas, and identified options for reform and intervention form the substance of the report.

- Support stakeholder participation in diagnostic process and SoC consultations

Step Six

Strategic Action Framework
- All of the decision support tools developed above will be used in this process
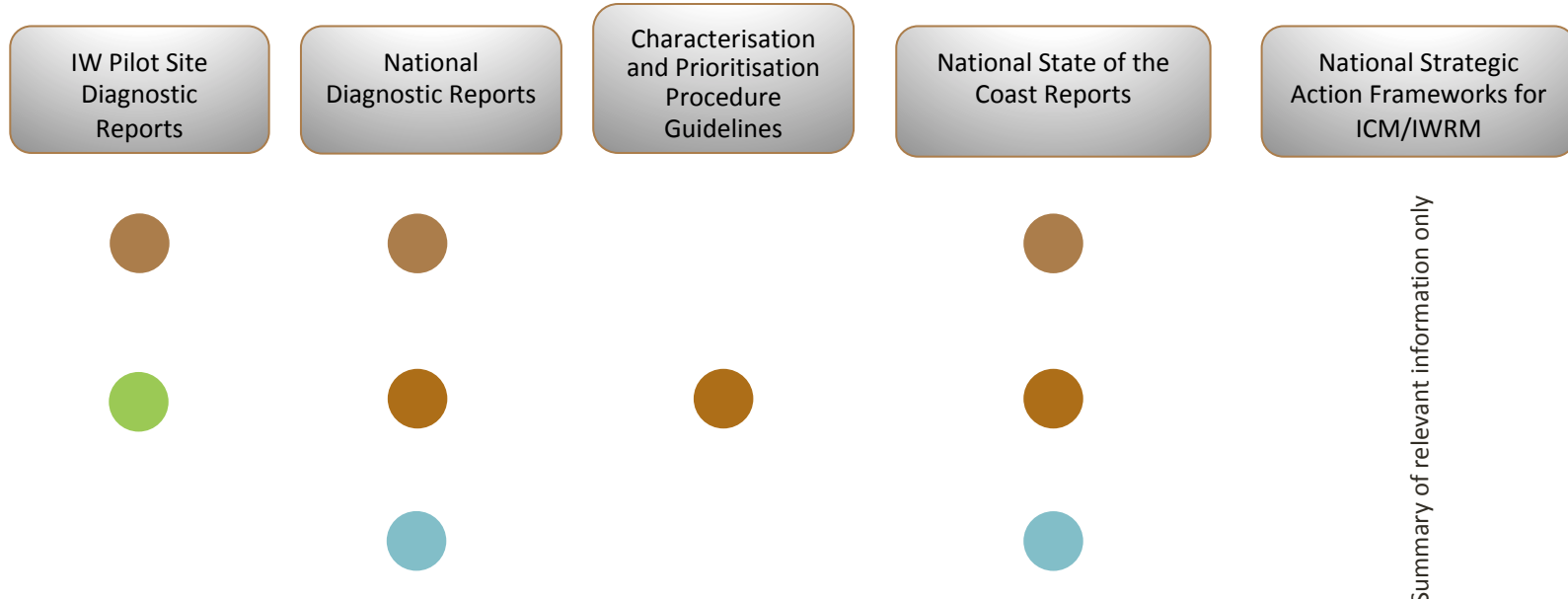- Countries may choose to incorporate into existing high level planning

- Joint planning for policy reform
- Support stakeholder participation in consultations

STAR Projects can collaborate during these stages

Overview of IW R2R Science Deliverables

Component 1		Component 3
1.1	1.2	3.1

1.1
14 national pilot projects testing environmental solutions

1.2
IW Pilot Site Diagnostic Reports (SDA)

National Diagnostic Reports (IDA)

Characterisation and Prioritisation Procedure Guidelines

3.1
National State of the Coast Reports (SoC), or support to SoE process

National Strategic Action Frameworks (SAP/SAF) for ICM/ IWRM

National scale approach:
Adapt & apply a spatially-explici
framework with scenario plannin
to identify national priority areas
that benefit land & sea

Local scale approach:
Downscale this framework to test
the effect of proposed local R2R
management actions in one
priority watershed

Pacific R2R <u>Program</u> Expected Outcomes

- Improved terrestrial and marine biodiversity conservation in priority catchments and linked coastal areas

- Enhanced policies regulations and institutions for integrated Ridge to Reef approaches in place in PICs

- National and local level capacities for ICM IWRM SLM and SFM improved to enable best practice in integrated climate resilient Ridge to Reef approaches in natural resource management

Pacific R2R <u>Program</u> Expected Outputs

- Integrated policy frameworks at the national and sub-national levels towards combined land water forests and coastal biodiversity management formulated and adopted in all PICS

- Local ICM plans show integration with IWRM and land and forest management plans in around 10 PICs **available**

- National coastal diagnostic analyses integrated with existing IWRM-related diagnostics in 14PICs National 'State of the Coast' Reports available

Summary

Not possible to generate science- and evidence based analyses and reporting to inform policy and decision making if there is no or relatively poor baselines and data

Program?
- What is this data turned in to?
- How is this data used?
- What else is out there?

- What is generating data in the R2R

1. Review and assess the changes in the 'modified' R2R science to policy framework and if deemed appropriate;

2. Consider and approve the regional guidelines previously endorsed for implementing R2R science to policy strategic framework;