

SIDS (Pacific Island Countries) Consultation Meeting on the Pre-Zero Draft of New Declaration on 3R and Circular Economy

SWITCH-Asia Pacific Session:

Opportunities in Promoting Sustainable Consumption
and Production (SCP) and Circularity Approaches to Accelerate
the Transition Towards Sustainability in the Pacific Countries



14 May 2024



15:30-17:00



SPREP Headquarters, Apia, Samoa

Agenda

Time	Content
15:30 - 15:40	Opening Remarks Mr. Maurizio Cian, Head of Cooperation Head of Section (Climate Change, Environment and Energy), Delegation of the European Union for the Pacific
15:40 – 15:50	Introductory Remarks Dr. Zinaida Fadeeva, Team Leader, SWITCH-Asia Pacific Policy Support Component (PSC)
15:50 - 16:00	SCP as Game Changer through Entrepreneurship, Partnerships and Talanoa Dialogues Mr. Arab Hoballah, Senior SCP Expert, SWITCH-Asia Pacific PSC and former UNEP Chief SCP
16:00 - 16:20	Regional perspectives: Understanding the nexus between SCP, Climate Change and Circular Economy <ul style="list-style-type: none">• Ms. Aude Chenet, Acting Director of Climate Change and Environmental Sustainability (CCES) Programme and Environmental Sustainability Coordinator, The Pacific Community (SPC)• Mr. Awnesh Singh, Associate Professor, University of South Pacific (USP)• Ms. Susan Telakau, Solida Waste Management Adviser, SPREP
16:20 - 16:40	Panel Discussion: Importance of Sustainable Consumption and Production and Circular Economy for Achieving Resource Efficient, Clean, Resilient, Sound Material Cycle and Low-Carbon Society in the Pacific – national perspectives <ul style="list-style-type: none">• Mr. Floyd Lala, Director of National Authorising Officer Support Unit Department of National Planning & Monitoring, Papua New Guinea• Mr. Wensie Naki, Deputy EDF National Authorising Officer Aid Programmer, Aid Coordination Unit, Department of Strategic Policy Planning and Aid Coordination, Prime Minister's Office Port Vila, Vanuatu
16:40 - 16:45	SCP and CE in the context of the 3Rs&CE draft Declaration , relevance and take aways for the consultation process Mr. Choudhury Rudra Charan Mohanty, Environment Programme Coordinator, United Nations Centre for Regional Development (UNCRD)- DSDG/UN DESA
16:45 - 16:55	Q&A
16:55 - 17:00	Summary and wrap up

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Opening Remarks

Mr. Maurizio Cian, Head of Cooperation
Head of Section (Climate Change, Environment and Energy),
Delegation of the European Union for the Pacific

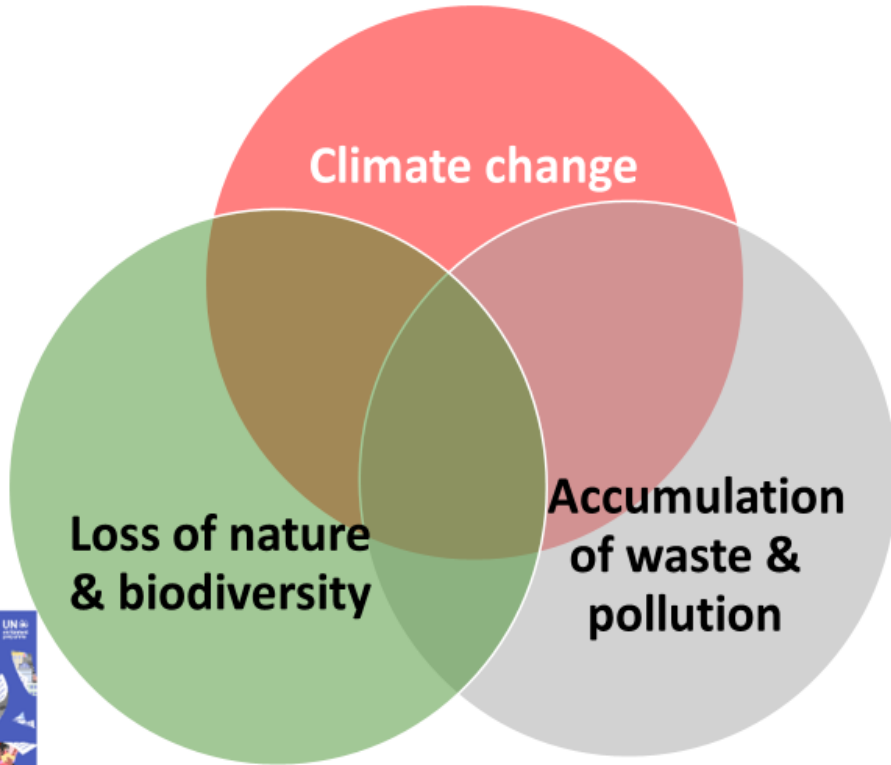
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Introductory Remarks

Dr. Zinaida Fadeeva
Team leader, SWITCH-Asia Pacific PSC

The challenge: Triple Planetary Crises

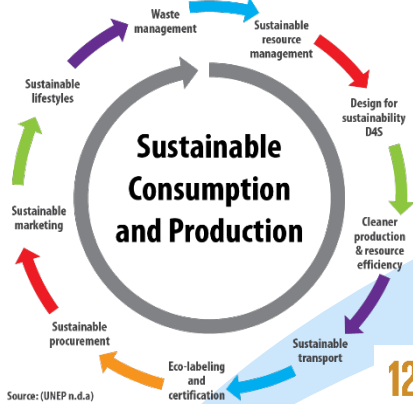


- Manmade
- One risk
 - Planet becoming uninhabitable for human beings
- One cause
 - Unbridled growth in the use of natural resources – energy, materials, water, land, nature
- One solution
 - Decoupling and circulating
 - Doing *more* with *less* for *more*

Circular Economy



An evolving green agenda



**Green Economy
Growth & Industry**



**Circular
Economy**



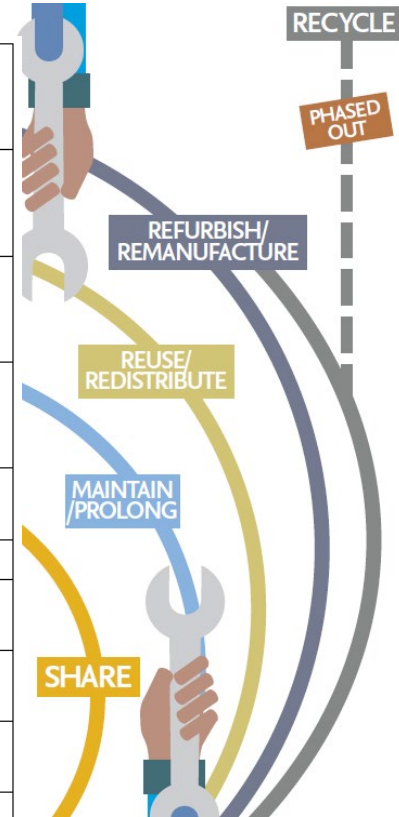
**Sustainable Consumption and
Production (SCP)**

Circular Economy ≠ Recycling

3R

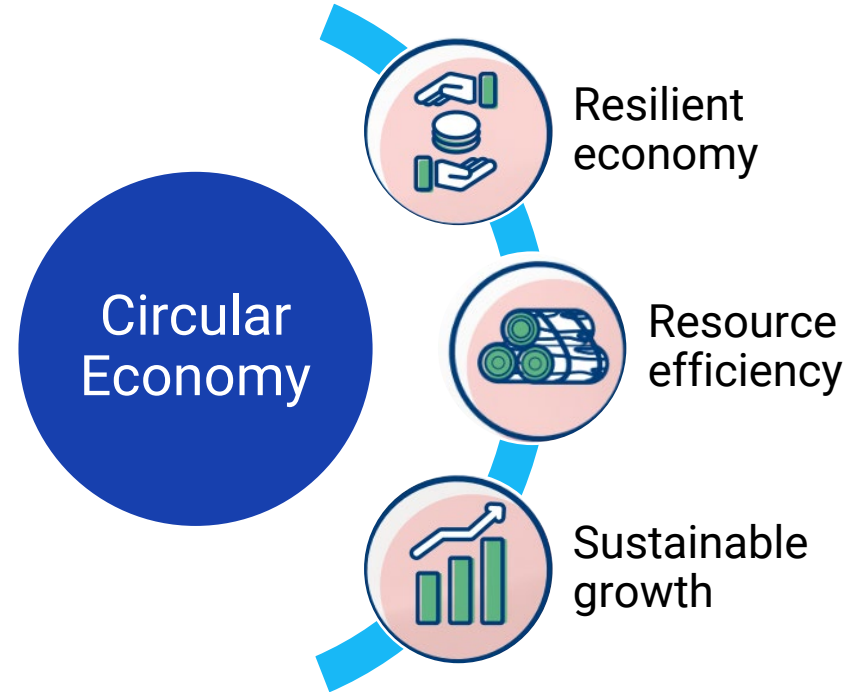
Reduce
Reuse
Recycle

Smarter product use and manufacturing	R0: REFUSE	Make product redudant by abandoning its function or by offering the same function with a radically different product
	R1: RETHINK	Make product use more intensive (e.g., through sharing products or by putting multi-functional production on the market
	R2: REDUCE	Increase efficiency in product manufacturing or by using fewer materials and natural resources
Expand lifespan of products and its parts	R3: REUSE	Reuse by another consumer of discarded product which is still in good condition and fulfils its original function
	R4: REPAIR	Repair and maintenance of defect product so it can be used with its original function
	R5: REFURBISH	Restore an old product and bring it up to date
	R6: REMANUFACTURING	Use parts of a discarded product in a new product with the same function
	R7: REPURPOSE	Use discarded product or its parts in a new product with a different function
Useful application of materials	R8: RECYCLE	Process discarded materials to obtain the same (high grade) or lower (low grade) quality
	R9: RECOVERY	Incineration of materials with energy recovery



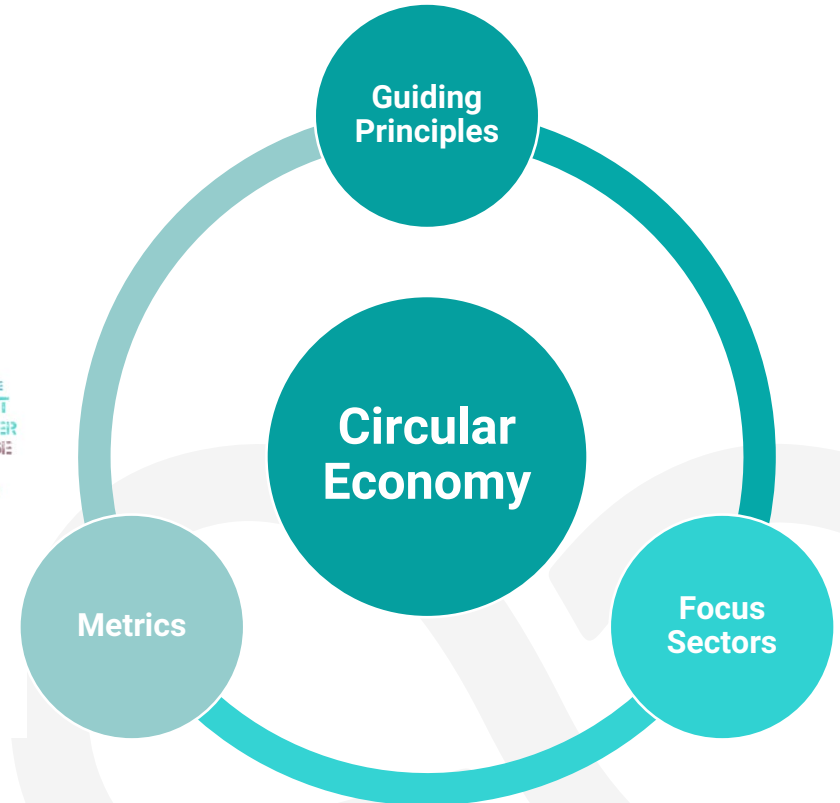
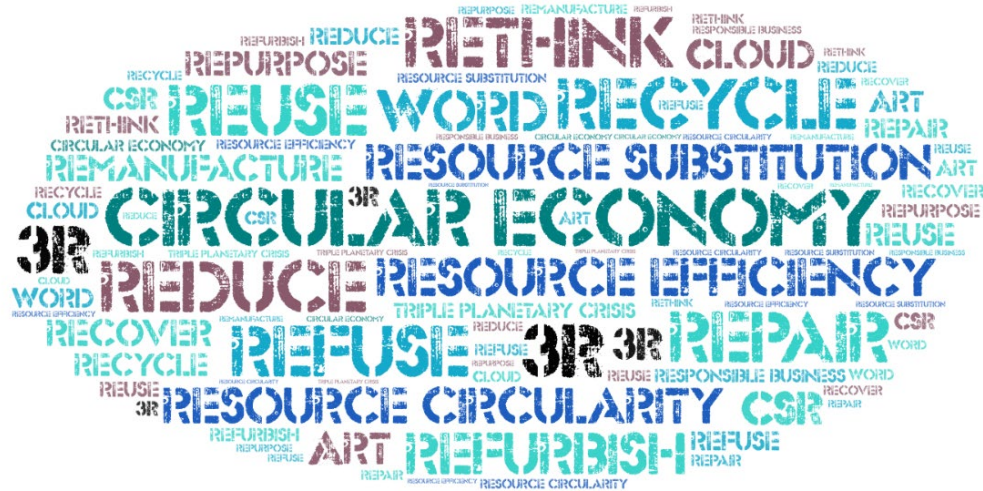
Circular Economy: economic development policy

Circular economy is *restorative, regenerative* by design, and makes *effective use of materials and energy* to retain their value. Competitiveness, efficiency, and resilience are at the heart of the circular economy

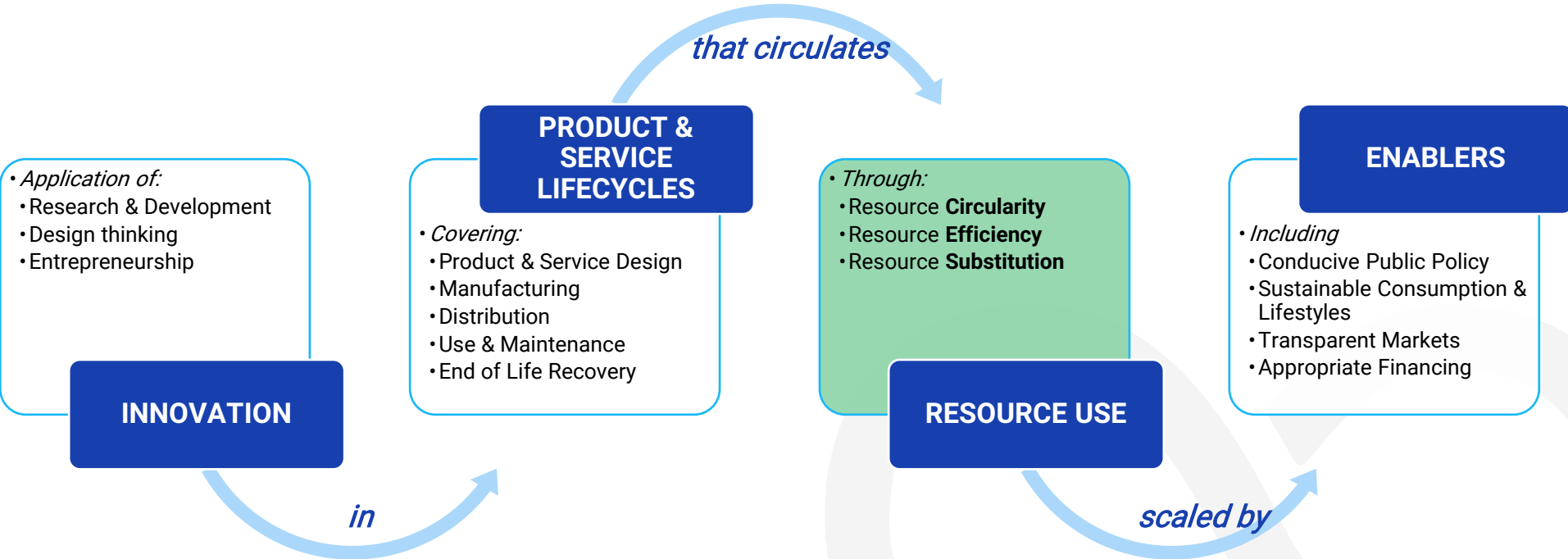


Circular economy: operationalization

Understanding of circular economy, its criticality, scope and business case



CE: an operational perspective



Based on Van Berkel, 2024

Circular Economy: Guiding principles

Net zero for climate, nature and environment

Resource circularity, efficiency and substitution

Responsible business

Ideation and co-creation

Net benefits

**Towards a Unifying Framework
for Business Action for the
Circular Economy in ASEAN**

*Working paper for reflection and engagement with
business and industry*

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asean
CSR Network

Traditional industries – resource efficiency, Philippines

CIRCULAR ECONOMY BUSINESS CASE STUDIES IN SOUTHEAST ASIA



BANIG
Basey Association for Native Industry Growth Inc.

Keywords

Circular economy, Agroecology, Mat weaving, Tikog farming

Innovation

Product innovation, Production, Resource efficiency and Resource substitution

- Agroecological model that mirrors circular economy (CE)
 - Improved soil quality and agro-ecological farming practices - chemical-free planting/ natural growing of the raw materials (tikog grass, Pagtatanim)
 - Resource-efficient pre-processing (Paghahanda) and solar drying of the tikog fibre
 - Design and weaving of the mats (Paglalala) based on traditional patterns.
- Results
 - increased harvesting frequency from 6–8 months to 2–3 months -> increased farmers' incomes and the quality of the tikog fibre possible.
 - Scraps in banig/mat-making are also used to make new products
 - Contribution to a sustainably managed agro-ecosystem today, and promote sustainable community livelihoods, while keeping the local culture alive

Resource circularity



Our Soles are made of recycled nitrile rubber gloves

From Gloves To Eco Footwear

SOLEWELL

PROBLEM NO.1

Malaysia is the largest gloves producer in the world. However, the gloves waste are rapidly increasing from year to year.

PROBLEM NO.2

Slips and Falls were the second most common injury and 67% of Slips and Falls are due to improper footwear on wet surface.



GREEN PRODUCT

Sole is made of upcycling nitrile rubber gloves.



ANTI SLIP GREEN TECHNOLOGY

Patent pending anti slip green technology.



MALAYSIA 1ST ANTI SLIP ECO SANDALS

Made in Malaysia and awarded with Malaysia Good Design



Resource substitution



Made from plants

Made from fibrous remains of plants that renew quickly.

Bamboo, bagasse etc



Energy-efficient

Plant-based packaging uses less energy to manufacture but is equally recyclable.



Compostable

Turns into nutrient-rich compost within 90-270 days for future agricultural use.



Food-grade and durable

Freezer and microwave safe, withstanding temperatures from -20°C to 250°C.



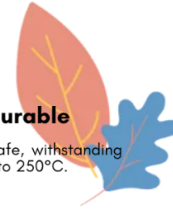
Custom-branding

Allow brands to be socially responsible through custom-made packaging.



Community-driven

We hope to generate greater awareness on the circular economy.



Technical Advisory on Business Action for Circular Economy: Published business case study

CIRCULAR ECONOMY BUSINESS CASE STUDIES IN SOUTHEAST ASIA

Binh Minh Cooperative (Vietnam)

📍 Vietnam - Cù Suê village,
Cù M'gar province, Đắk Lắk
Province

🍷 Food & Beverage

🌐 vncpc.org/en/

★ Since 2020

Converting agriculture waste into a clean energy source and biochar:
Drying coffee using pyrolysis technology at Binh Minh Cooperative, Vietnam

- Resource circularity
 - Pyrolysis converts coffee husk in biochar and heat
- Resource efficiency
 - Biochar reduces fertilizer use and maintains soil fertility
 - Controlled drying reduces off specification coffee
- Resource substitution
 - Pyrolysis provides renewable heat
- Investment 49,000 USD, pay back <2 years

<https://www.switch-asia.eu/our-work/multi-country/asean-circular-economy-pact-acep-mobilizing-business-action-for-circular-economy/>

Tourism and Hospitality – resource efficiency and circularity, Thailand

CIRCULAR ECONOMY BUSINESS CASE STUDIES IN SOUTHEAST ASIA

Sivatel Bangkok Hotel

-  Bangkok, Thailand
-  Tourism and Hospitality
-  www.sivatelbangkok.com
-  Ms Alisara Sivayathorn, CEO
-  Analysis period: 2016-2023

Service Design and Waste Recovery in Eco-boutique Hotel

- In 2016, the Hotel implemented a zero-waste policy, and since then has adopted food safety and healthy environment initiatives as part of a circular economy strategy.
- In terms of business benefits, the overall revenue of the Hotel increased about 20% in 2022, based largely on its sustainable hotel brand.
- The Hotel reduced food costs by 30.7% in 2023 and increased organic food purchases to THB 5.44 million in 2023.

Keywords

Service design, End-of-life management, eco-boutique hotel

Innovation

Use and maintenance, End-of-life management, Resource circularity, Resource efficiency

The EU SWITCH-Asia Pacific Programme



Objective: Support the transition of the region to a **low-carbon, resource efficient and circular economy**, whilst promoting more **sustainable supply chains and products** between the region and Europe.



Geo-coverage: As of 2023, SWITCH-Asia covers 42 countries across **Asia**, the **Pacific**, and the **Middle-East**.



Economic sectors supported: key polluting industries and export-led value chains in the region (e.g. food-systems, textiles and leather, plastics, sustainable tourism, construction).

POLICY SUPPORT COMPONENT

Supports the development of **policies and industrial practices** that lead to reducing the environmental and carbon footprints and comply with international agreements.

GRANT PROJECTS

Test and uptake of SCP practices in MSMEs and by consumers.



33 ongoing

SWITCH-Asia Grant Project



GREENTOUR - Replicating tourism industry sustainability best practices into the Kyrgyzstan and wider Central Asian tourism supply chain through an integrated business led approach



Integrates green services and products in the tourism supply chain; develops waste management approach for hotels, restaurants and destinations, in particular for food waste and plastics reduction standards. Fosters the creation of new financial schemes and promotes access to finance for MSMEs.



Circular Strategies



Innovation

- Consumption Patterns / Lifestyle



Lifecycle Stages

- End of Life



Enablers

- Education & Behavioural Change

SWITCH-Asia Grant Project



SUSTOUR Laos – Promoting Sustainable Tourism by Integrating MSMEs into Sustainable Supply Chains and Raising Consumer Awareness



Promotes Lao PDR as a green destination and supports MSMEs in the tourism supply chain to obtain and adhere to sustainable consumption and production practices upheld by the Travelife sustainability certification programme. Enhances the capacity of MSMEs in developing green business approaches in response to market demands. Promotes community-based tourism by providing tour operators and community members with adequate knowledge and awareness of the cost, benefits and responsibilities for sustainable tourism. Promotes access to green finance for MSMEs and cost-savings through resource efficiency.

Circular Strategies

- Resource Efficiency

Innovation

- Products, Materials & Technologies
- Consumption Patterns / Lifestyle

Lifecycle Stages

- Production & Distribution

Enablers

- Education & Behavioural Change
- Markets

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**SCP as Game Changer through Entrepreneurship,
Partnerships and Talanoa Dialogues**

Mr. Arab Hoballah, Senior SCP Expert, SWITCH-Asia Pacific PSC and former UNEP Chief SCP

SCP as Game Changer

through Entrepreneurship, Partnerships, Talanoa Dialogues

- The Talanoa Dialogues and Entrepreneurship Catalyst on SCP
- From “What” to “How” through improved knowledge, dialogues and partnerships
- Targeted, enabled actions



SWITCHing to SCP, SDG12+

- Production practices & Consumption habits at center of SD Agenda
- Decoupling econ growth, human well-being and env impact from resource use
- P&C from roots of problems to center of SDGs and SD



Context, Stakes and Opportunities

- **Generally well-known critical status and risks**
- **Current stakes and challenges**
- **Opportunities: efficiency, innovation, entrepreneurship**
- **Supportive Process: system thinking, MSC consultations/dialogues**
- **SCP as gamechanger, translating the “what is needed” into “how we deliver transformative change”.**



Theory of Change

- **SCP Policies, strategies and action plans**
- **Curating public-private collaborations**
- **Generating insights, knowledge and action roadmaps**
- **Catalysing Resource Efficient, Low-Carbon, Circular and Nature-positive Innovations, entrepreneurship programmes, Awards**
- **Access to alternative finance for high-potential SCP**



Integrated Policies and Action Plans

- **Green and blue ecosystems, local responsible actions**
- **Untapped opportunities, local innovations, co-creation**
- **Climate Mitigation and Adaptation, NDCs**
- **Cross-cutting issues: procurement, digitalisation, efficiency, education, awareness raising**
- **Multi-actors, open dialogues and constructive partnerships**



Priority Areas for Action



- **Food Systems: local green-blue production, healthier products**
- **Waste-Plastics: reduce, reuse, recycle, recover and return**
- **Responsible Tourism: ecotourism, agritourism, cultural tourism**
- **Built Environment: efficiency and resilience, energy-materials**
- **Successful local innovations, support, accelerate, scale for**

Pathways for Action

- **Priority sectors, deep dive, mainstream related to SCP and CE in policies and practices**
- **Focus first on Food systems in the Pacific countries**
- **Climate Policy Ambitions and Impactful Actions and NDCs**
- **Inspiring and scalable locally led efforts**
- **“Pacific Entrepreneurship Innovations Beacon”**



Pathways for Collective Actions

- **Curate collaboration, reg-international stakeholders**
- **MSC for SCP, Talanoa Dialogues; valuing local culture, creating trust, platforms for storytelling**
- **“Pacific Entrepreneurship Innovations Beacon”, replication, acceleration and scaling**
- **“Pacific Innovation Forum”, incubator**
- **“Recognise and value few best to induce and move the rest”** ©



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Regional perspectives, Understanding the nexus between SCP, Climate Change and Circular Economy

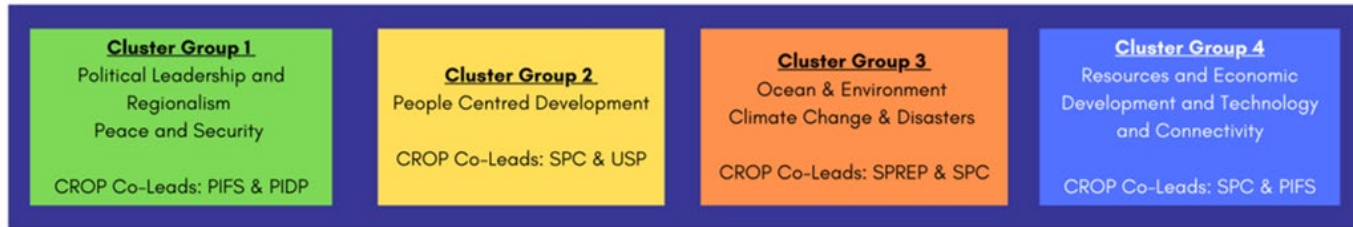
Ms. Aude Chenet



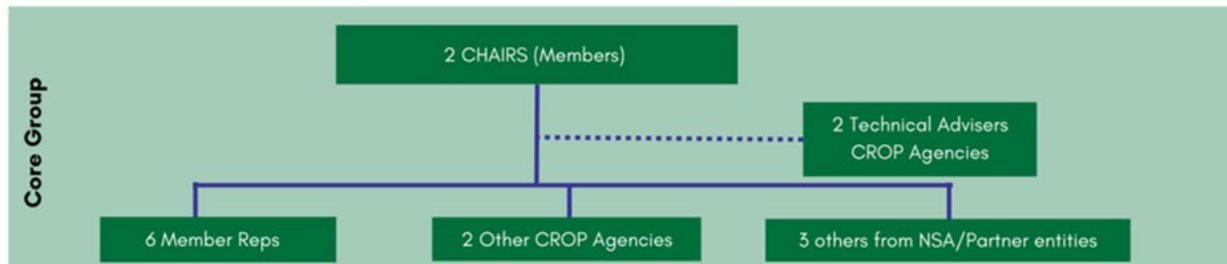
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Regional perspectives: Understanding the nexus between CSP, Climate Change and Circular Economy (CE)

2050 Strategy framework

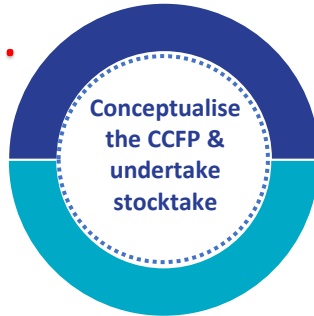


MSE Group Composition

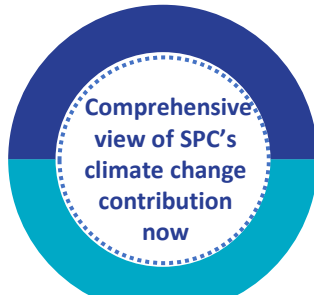


SPC addressing climate change

1.



2.



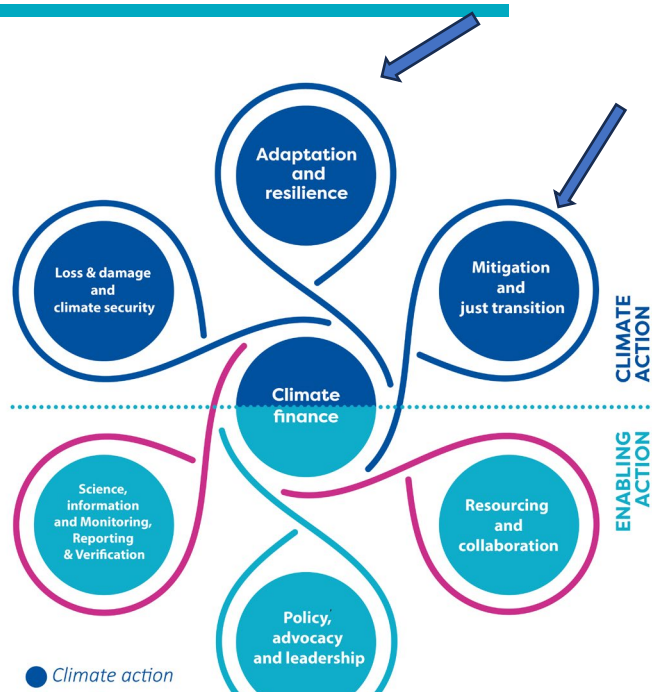
3.



4.



Mitigation dimension



SPC's key areas of work to enhance climate action can be viewed across 7 dimensions. These cover direct **climate action (what)** and **enabling activities (how)**:

- i. **Climate adaptation and resilience** (adapting human activity and the natural world to life in a changing climate)
- ii. **Climate mitigation and just transition** (reducing climate change)
- iii. **Loss and damage and climate security** (equitable distribution of the burdens and benefits of climate change)
- iv. Leveraging **climate finance**
- v. Facilitating **policy, advocacy and leadership**
- vi. Developing **climate science, information and knowledge**



Mitigation dimension

MITIGATION AND JUST TRANSITION		SPC sectors and disciplines
Outcome by 2031	PICTs have accelerated low carbon transition in an affordable way across the areas of SPC's mandate, resulting in the reduction, avoidance, or sequestration of greenhouse gas (GHG) emissions	Energy, renewable energy, energy efficiency, data and statistics, climate negotiations, circular economy, Social and Environmental Responsibility (SER), nature based-solutions, agriculture, fisheries and aquaculture management including waste
Key work areas (span thematic areas, programmes, and strategic priorities within this dimension, designed to maintain relevance throughout the CCFP's timeframe, accommodate contributions from multiple divisions, programmes, and services, and articulate SPC's regional comparative advantage)	<ol style="list-style-type: none"> 1. Support PICTs' advocacy efforts to drive a just transition and escalate global mitigation commitments in One CROP and other relevant fora (Advocacy, Policy, and Leadership). 2. Support the development of evidence-based equitable policies and strategies at regional, national, and sectoral levels to reduce dependency on fossil fuels and facilitate a just transition to low carbon economies in sectors where SPC works (Advocacy, Policy, and Leadership). 3. Generate and disseminate improved scientific data, modelling, and knowledge management to strengthen mitigation and just transition decision making and investment in sectors where SPC works (Science, Information, Knowledge, and MRV/ M&E). 4. Establish a robust MRV system to monitor, enable aggregation of data in a meaningful way, 	

Collective actions

(actionable specific initiatives that can involve one or more divisions over shorter periods, that may evolve during the CCFP timeframe; fall into three categories: maintain (existing capabilities), scale up (expanding existing capabilities), and new (acquiring or building new capabilities in response to member demand))

Maintain:

- Provide information/analysis to inform the Intergovernmental Panel on Climate Change (IPCC) process and policy briefs, and together with CROP agencies, facilitate a coordinated Pacific voice at international negotiations related to climate mitigation goals, commitments, and just transition.
- Offer effective, actionable data models and communication tools to enable PICTs to advocate for action on mitigation and just transition at national, regional, and international levels.
- Work with Members to incorporate mitigation and a just transition into relevant national policies and plans.
- Identify and document potential carbon sinks and develop insights into carbon markets, drawing lessons from initiatives such as REDD+ and green markets.
- Regularly monitor, report, and verify GHG emissions to assess the progress of mitigation efforts and ensure accountability.
- Build member capacity for monitoring climate impacts across SPC sectors.
- Support the knowledge management and targeted communication on clean energy with the Global Network of Regional Sustainable Energy Centres (GN-SEC).

Scale up:

- Strengthen the NDC Hub and all divisions that work on energy generation aspects to deliver efficient technical assistance and align it with climate finance opportunities, mobilising resources for PICTs to achieve their Nationally Determined Contributions.
- Enhance technical capacity for scaling up the transition to renewable energy affordably and implement energy efficiency in line with PICTs' Nationally Determined Contributions.
- Collaborate with CROP agencies and Members to enhance the development of national energy legislation, policies, and plans for PICTs, integrating gender equality and social inclusion.
- Work on opening greater access to international carbon markets or developing a regional carbon market, including blue carbon.
- Collaborate with regional partners to establish a Pacific-wide standard, ensuring consistent monitoring across the region and meaningful data aggregation.
- Promote the adoption and scaling of Pacific-tailored technologies, drawing from the region's distinctive "island ingenuity" to implement low-tech solutions grounded in island experiences.

SPC projects: opportunities for supporting SPC, 3R and circular economy

- Food systems : opportunities with private sector (agriculture, fisheries /aquaculture) to become partners of development
- Massive opportunities in the nexus connecting Food-Climate-Energy-Water. Food covering agriculture, fisheries/blue and aquatic foods, and processing/value adding , handling, marketing for Pacific MSMEs.
 - Production effort requires the infrastructure support
 - Scientific work supporting market-based solutions – eg soils Investments in ICTs/technology/systems
- All the above captures circular economy aspirations – including waste management (big part of Food Systems, acknowledging that this work largely sits with SPREP).

SPC corporate social responsibility: modality for supporting SCP, 3R and circular economy



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People

Providing and promoting a diverse and inclusive workplace with a safe and healthy work environment

Operations

Adapting operations to be more environmentally sustainable and socially inclusive

Programmes

Ensuring a sustainable, participatory and just approach to development, technical and scientific work

People-centred approach

Human rights (PLANET), gender equality and social inclusion, cultural development, relationship to environment

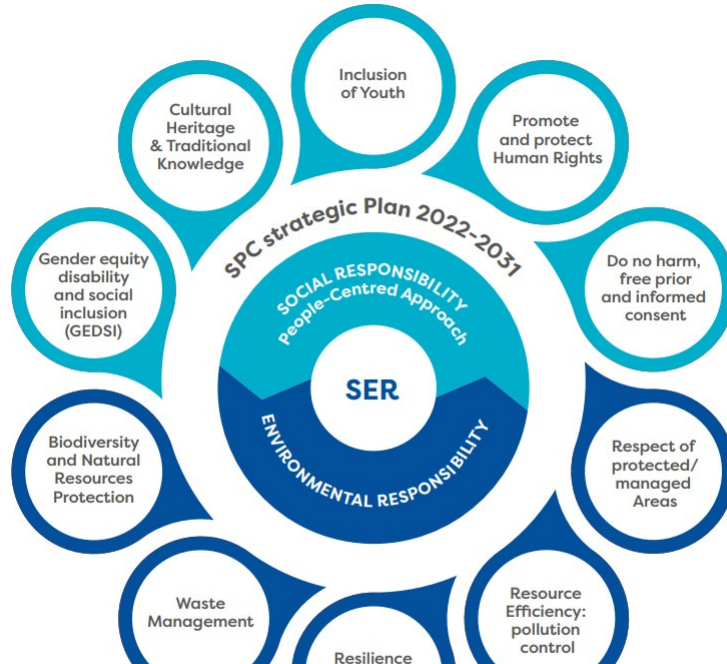
SER for operations 2023-24: starting internally for external impact



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- **Responsible marketing** guidelines developed –CE
- **Social and environmental inclusion at procurement throughout policies and guidelines/workflow** - CE
- **Energy audits for New Caledonia and Fiji offices:** to design new emission reduction strategy - SCP
- **Carbon neutrality fund- travel levy** : initiate implementation of energy savings and emission reduction activities -SCP
- **All SPC office waste Management system** – SCP
- **Regional dialogue with CROPs and development partners** on SER_PCA progress – 3R &CE

SER areas of work and frameworks for projects Environmental and social safeguards



- SPC ESS do represent opportunities to implement SCP and CE through project design
- In terms of risks management, the waste component is one of the hardest to tackle in every sector (new material disposal)
 - we mainly support good maintenance (WASH capacity building project,
 - Develop new large scale project :FAD repurposing

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**Regional perspectives, Understanding the nexus between
SCP, Climate Change and Circular Economy**

Mr. Awnesh Singh,

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**Regional perspectives, Understanding the nexus between
SCP, Climate Change and Circular Economy**

Panel Discussion

Importance of Sustainable Consumption and Production and Circular Economy for Achieving Resource Efficient, Clean, Resilient, Sound Material Cycle and Low-Carbon Society in the Pacific – national perspectives

- Mr. Floyd Lala, Director of National Authorising Officer Support Unit Department of National Planning & Monitoring, Papua New Guinea
- Mr. Wensie Naki, Deputy EDF National Authorising Officer Aid Programmer, Aid Coordination Unit, Department of Strategic Policy Planning and Aid Coordination, Prime Minister's Office, Palau

SCP and CE in the context of the 3Rs&CE draft Declaration,
relevance and take aways for the consultation process

SCP and CE in the context of the 3Rs&CE draft Declaration,
relevance and take aways for the consultation process

Choudhury Rudra Charan Mohanty, Environment Programme
Coordinator, United Nations Centre for Regional Development
(UNCRD)- DSDG/UN DESA

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