

### What is APN?

**An Overview**

APN is the Asia-Pacific Network for Global Change Research (APN-GCR), established in 1992 to provide a forum for scientists and researchers from Asia and the Pacific to discuss and coordinate their research on global change. The APN is a unique regional network of scientists and researchers from Asia and the Pacific who are working on global change research. It is a network of scientists and researchers from Asia and the Pacific who are working on global change research. It is a network of scientists and researchers from Asia and the Pacific who are working on global change research.

**Member Countries**

**Financial Resources**

The APN is sponsored by the Government of Japan (Ministry of Education, Culture, Sports, Science and Technology) and the Government of the Republic of Korea (Ministry of Education, Science and Technology). It also receives contributions from other member countries and private organizations.

- ### Contents
- What is APN?
  - Core Programmes
  - APN Projects with involvement of PICs
  - Outcomes of Activities on Climate Change
  - New activities on Climate Adaptation

### New Activities on Climate Adaptation

**APN's New Climate Adaptation Programme (Under development)**

Component 1: Training modules for researchers on their adaptation activities of APN member countries

Component 2: Policy Review on climate change planning and implementation in APN member countries

Component 3: Policy Review on climate change planning and implementation in APN member countries

Component 4: Policy Review on climate change planning and implementation in APN member countries

Component 5: Policy Review on climate change planning and implementation in APN member countries

**Information on Component 3**

Proposed Development Training Workshop (a Series of Capacity Development Activities)

- Since 2002, the APN has been conducting Proposed Development Training Workshops in various parts of the region.
- The workshop entitled in Shanghai, New York, Kuala Lumpur, Hanoi (Vietnam), Yantai and Fuzhou (China) back to back with other important meetings that brought together international scientists.

# Role of APN for climate change policy

**Akiyo Takemoto**  
 Director, APN Secretariat  
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### Core Programmes

**APN Core Programme 1: Annual Regional Call for Research Proposals (ARCP)**

Identifies research projects of APN member states that are relevant to the APN's research agenda. The ARCP is a key activity of the APN and is held annually. It is a key activity of the APN and is held annually. It is a key activity of the APN and is held annually.

**APN Core Programme 2: CAPRIE**

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### APN Projects with involvement of Pacific Island countries

**APN List of Projects with Involvement of PICs (2008-2012)**

**APN List of Projects with Involvement of PICs (2013-2017)**

### Outcomes of Activities on climate change

**APN Climate Synthesis Report (2011)**

• Synthesis of climate-related research and capacity development over 18 years

• 38 completed projects in an 88 page synthesis where policy is quoted 141 times, and not made development is quoted 36 times

• Focus on adaptation-related studies

**Regional distribution APN climate activities**

Figure 2: Regional distribution of APN climate activities

**APN Climate Synthesis Report**

Recommendation

- Continue to expand climate activities, as well as building up capacity and building resilience, to meet the needs of member countries.
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- Republic of Korea (Ministry of Environment)
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  - Determine prioritized thematic areas
  - Determine methodologies and tools to assist developing countries
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  - Collaboration with UNU-ICRRI (UN Climate and ecosystem Adaptation Research)
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- Since 2008, the APNs have been conducting a Proposal Development Training Workshop in various parts of the region.
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## Core Programmes

**APN Core Programme 1: Annual Request Call for Research Proposals (ARCP)**



- One of the core activities of the APN to support global change research in the Asia-Pacific region.
- Competition process based on request to select projects for funding under the APN system.

**APN Core Programme 2: CAPABLE**

• A project to strengthen capacity building in APN member countries.

**APN Core Programme 3: Regional Adaptation and Resilience Strategy (ARCS)**

• A project to develop a regional adaptation and resilience strategy for the Asia-Pacific region.

## APN Projects with involvement of Pacific Island countries



**APN List of Projects with Involvement of PICs (2010-2012)**

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
## Outcomes of Activities on climate change

**APN Climate Synthesis Report (2011)**

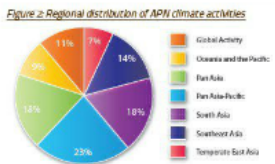
- synthesis of climate-related research and capacity development over 10 years.
- 500 completed projects in an 88 page synthesis where policy is quoted 143 times, and sustainable development is quoted 201 times.
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**Key Areas:**

- Food, Agriculture and Climate
- Regional Climate Change Modelling
- Adaptability & Adaptation to Climate Change
- Resilience, Adaptation to Climate Change
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### Regional distribution APN climate activities



### APN Climate Synthesis Report

**Recommendation:**

- Encourage APN member countries to enhance their capacity to undertake climate change research, practice, and policy.
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**APN Publications on climate change of study related to Pacific Island Countries**



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# What is APN?

## An Overview

- Asia-Pacific Network for Global Change Research (APN) is a network of 22 member governments in the Asia Pacific region.
- Established in 1996, its full time secretariat is based in Kobe since 1999
- Our Mission is to support regional global change research and to enhance scientific capacity in developing countries to improve decision-making in focus areas of global change and sustainable development.
- We define global change as the set of natural and human-induced changes in the Earth; in its physical, biological, and social systems that, when aggregated, are significant at a global scale.



## Member Countries



Pacific Island Countries and Singapore are approved countries whose scientists are eligible to receive funding under APN awards.

## Financial Resources

The APN is sponsored by the governments of:

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## 3RD STRATEGIC PHASE





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# Member Countries



Australia



Bangladesh



Bhutan



Cambodia



China



Fiji



India



Indonesia



Japan



Lao DPR



Malaysia



Mongolia



Nepal



New Zealand



Pakistan



Philippines



Republic of Korea



Russian Federation



Sri Lanka



Thailand



USA



Viet Nam

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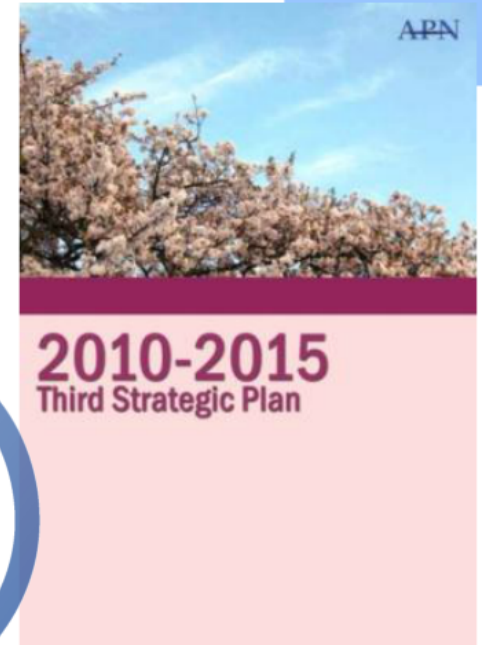
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# 3RD STRATEGIC PHASE



## APN GOALS

● Goal1

● Goal2

● Goal3


● Goal4





**Goal 1: supporting  
regional cooperation  
in global change  
research**





Goal 2: Strengthening appropriate interactions among scientists and policy makers, and providing scientific input to policy making...



**Goal 3: Improving  
scientific and technical  
capabilities of nations in  
the region,....**



**Goal 4: Cooperating  
with other global  
change networks  
and organizations**

# Core Programmes

## APN Core Programme 1 Annual Regional Call for Research Proposals (ARCP)

- One of the scientific pillars of the APN to support global change research in the Asia-Pacific region.
- Competitive process launched in 1998 to select projects for funding under the Science Agenda.

Climate Change and Variability

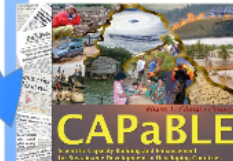
Ecosystems, Biodiversity, and Land Use

Changes in Atmospheric, Terrestrial and Marine Domains

Resources Utilization and pathways for Sustainable Development

**FY2012/FY2013**  
**22 Projects**  
**( 12 new, 10 continuing)**

## APN Core Programme 2: CAPaBLE

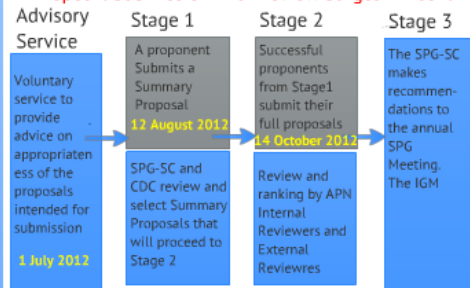


The Scientific Capacity Building for Sustainable Development in Developing Countries programme (CAPABLE) was launched in April 2005, in initiative to realize the Johannesburg Plan of Implementation (JPOI) for the WSSD.

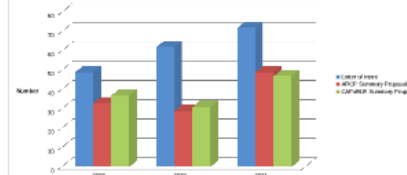
Establish regular channels between policy-makers and the scientific community for requesting and receiving science and technology advice for the implementation of Agenda 21, and create and strengthen networks for science and education for sustainable development.

**FY2012/2013**  
**16 new and 2 continuing projects**

### Proposal Submission and Review Stages



APN Annual Call for Proposals(2009-2011)



YEAR	2009	2010	2011
Letter of Intent	49	62	72
ARCP Summary Proposals	33	29	49
CAPaBLE Summary Proposals	37	31	47

# APN Core Programme 1

## Annual Regional Call for Research Proposals (ARCP)

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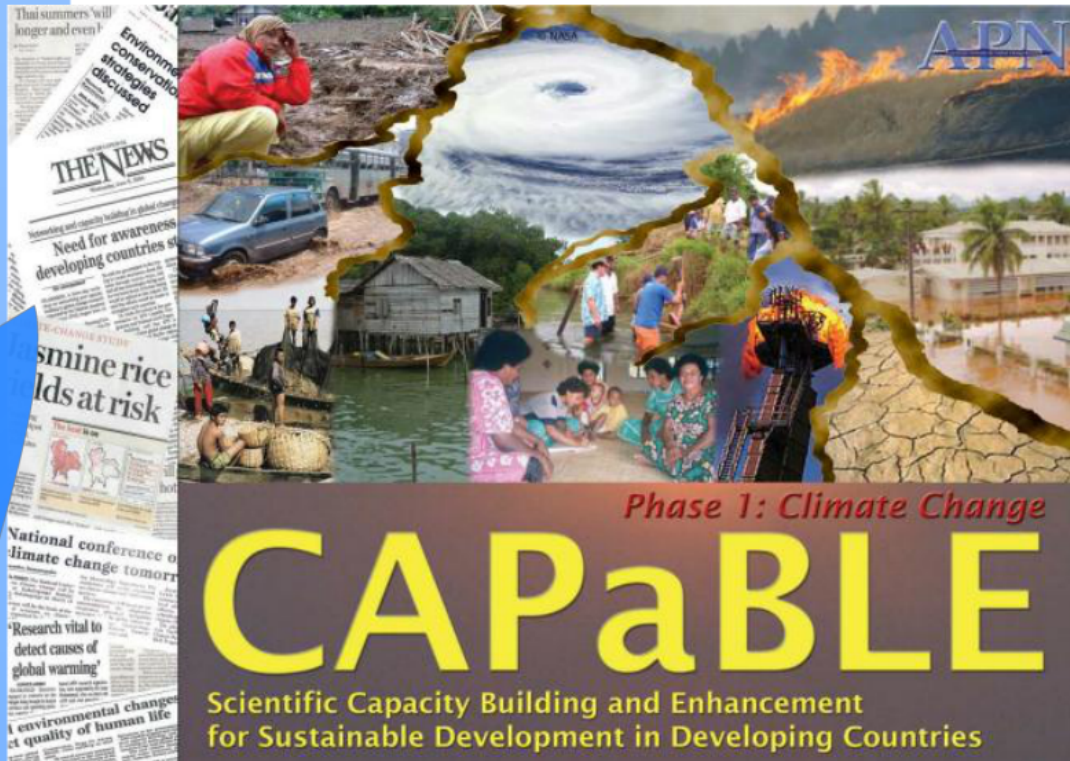
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# APN Core Programme 2: CAPaBLE



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FY2012/2013

16 new and 2 continuing projects

# Proposal Submission and Review Stages Goal

Advisory Service

Voluntary service to provide advice on appropriateness of the proposals intended for submission

**1 July 2012**

Stage 1

A proponent Submits a Summary Proposal

**12 August 2012**

SPG-SC and CDC review and select Summary Proposals that will proceed to Stage 2

Stage 2

Successful proponents from Stage 1 submit their full proposals

**14 October 2012**

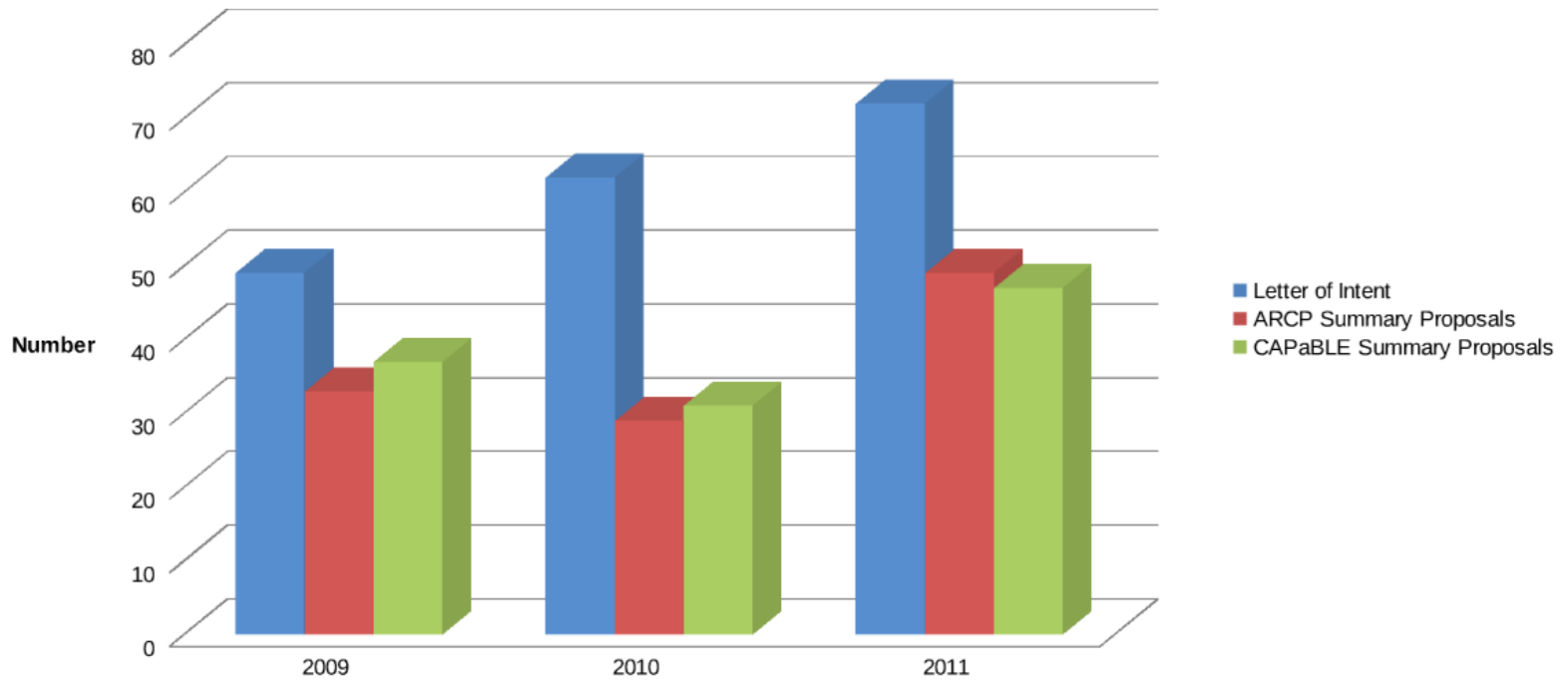
Review and ranking by APN Internal Reviewers and External Reviewers

Stage 3

The SPG-SC makes recommendations to the annual SPG Meeting. The IGM



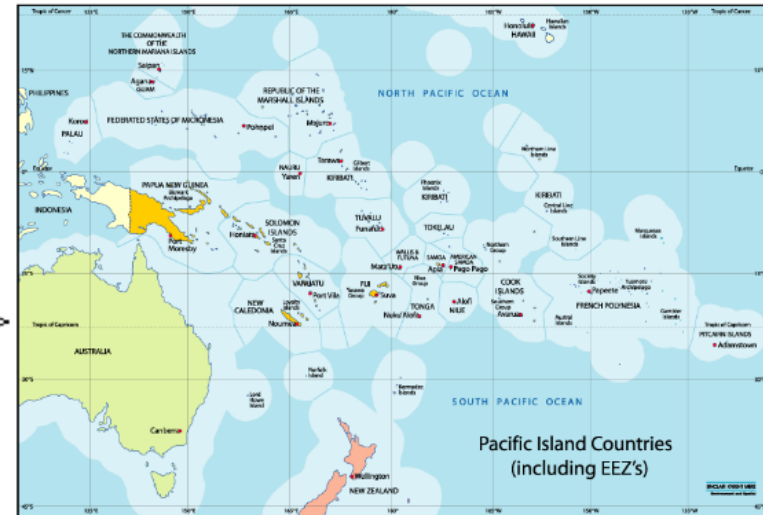
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# APN Projects with involvement of Pacific Island countries



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- CBA2010-05NSY-Lorrey [New Zealand, Australia, Fiji, USA, PICs] Improving Pacific Island Meteorological Data Rescue and Data Visualisation Capabilities through Involvement in Emerging Climate Research Programmes
- CBA2010-06NSY-Kench [New Zealand, Tuvalu and Marshall Islands] Improving Understanding of Local-Scale Vulnerability in Atoll Island Countries: Developing Capacity to Improve In-Country Approaches and Research
- CBA2010-08NSY-Salinger [Australia, Cambodia, China, India, Indonesia, Japan, Malaysia, Mongolia, New Zealand, PICs, Philippines, Russian and Vietnam] Addressing the Livelihood Crisis for Farmers: Weather and Climate Services for Sustainable Agriculture – Development of Tools



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- CRP2009-01NMY-Weber [Cook Islands, Australia, Cambodia, China, Fiji, India, Indonesia, Japan, Kiribati, Malaysia, New Zealand, Samoa, Philippines, Russia, USA and Vietnam] Vulnerability Mapping as Policy Tool in Developing Countries
- CBA2011-10NSY-Ngari [New Zealand, Australia, Cook Islands, Vanuatu] International Workshop on Climate and Oceanic Fisheries
- CBA2012-05NMY-Salinger [Fiji, India, Thailand] Rise Up: Pacific Futures



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## Outcomes of Activities on climate change

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- 56 completed projects in an 88 page synthesis where policy is quoted 143 times... and sustainable development is quoted 30 times
- focused on adaptation-orient studies

Food, Agriculture and climate

Seasonal Climate Prediction and Application

Climate Variability, Trends and Extremes

Regional Climate Change Modeling

Vulnerability & Adaptation to Climate change

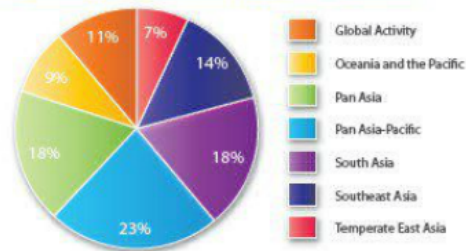
Vulnerability & Adaptation to Climate change

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### Regional distribution APN climate activities

Figure 2: Regional distribution of APN climate activities



### APN Climate Synthesis Report

#### Recommendation

- Community-based **climate adaptation**, as well as reducing vulnerability and building resilience, requires much more attention...
- Climate change and **disaster risk management** must be mainstreamed into national development strategies...
- Critical to climate adaptation research, practice, and policy are downscaled climate data...
- Encourage APN member countries to **increase the capacity to formulate national strategies on adaptation**...
- Develop programmes to **enhance the capacity of major players in adaptation planning and implementation**; local universities and academic institutions, communities and local governments...
- **Develop localized climate change impact tools**, especially IAMS...



### APN Publication on climate change study related to Pacific Island Countries

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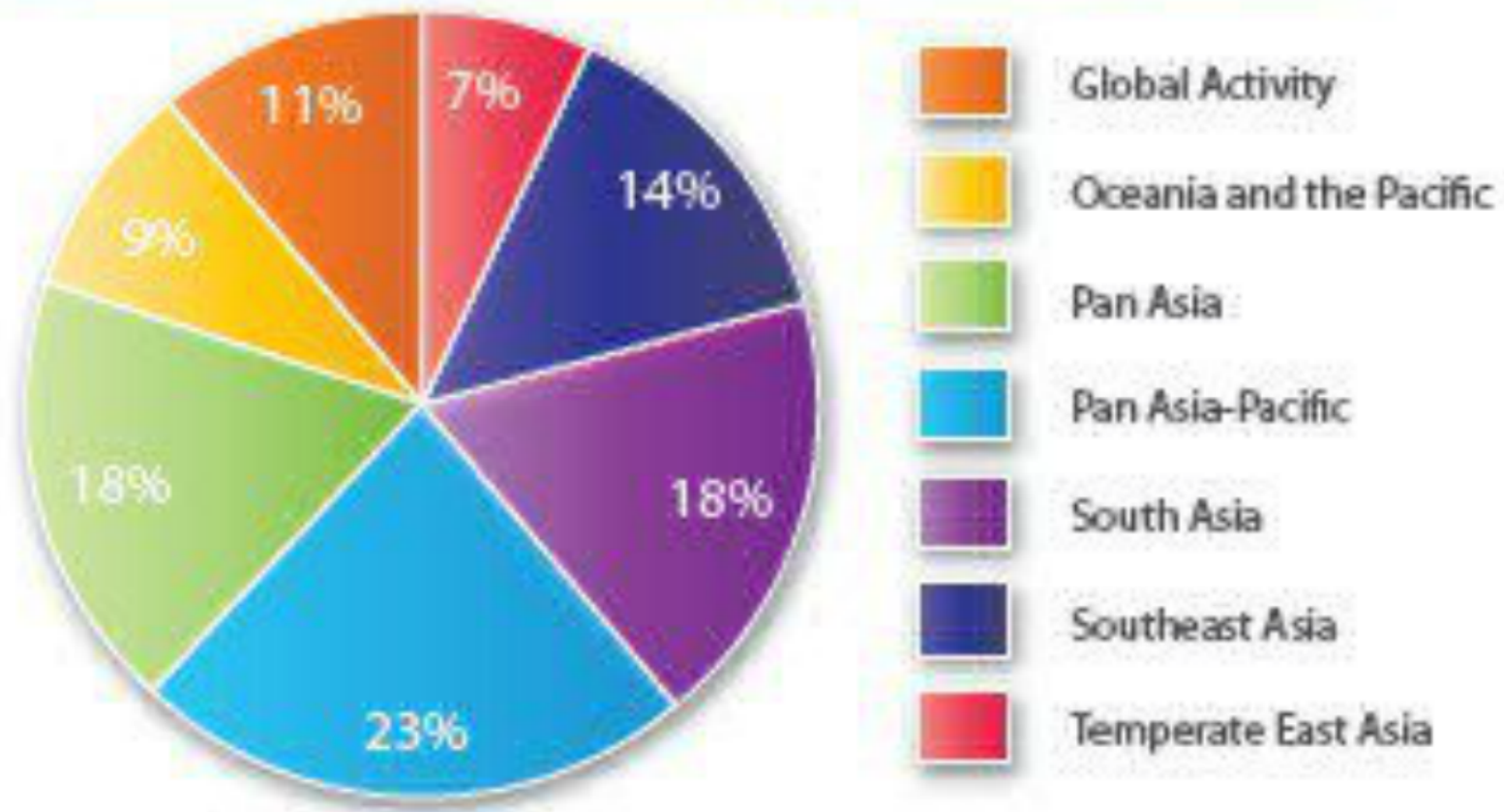
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*Figure 2: Regional distribution of APN climate activities*





# APN Climate Synthesis Report

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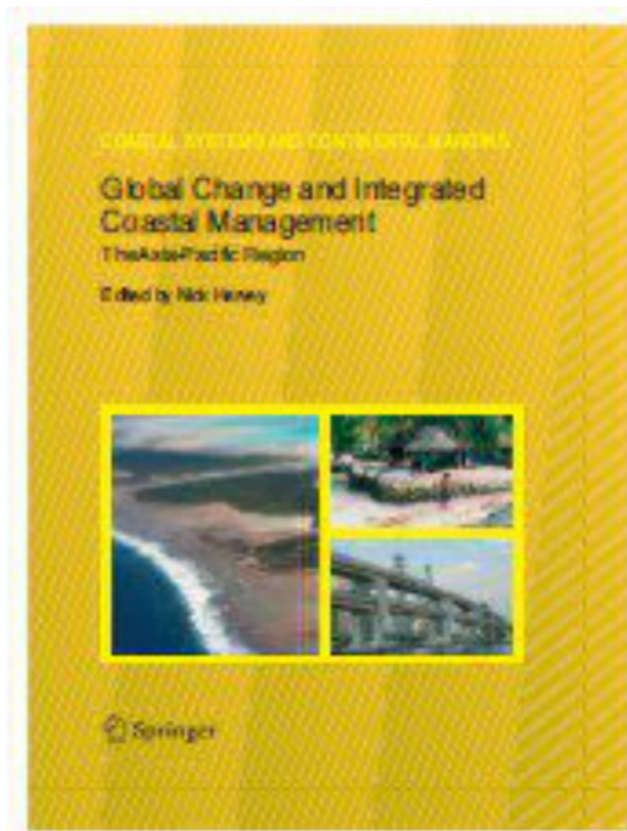
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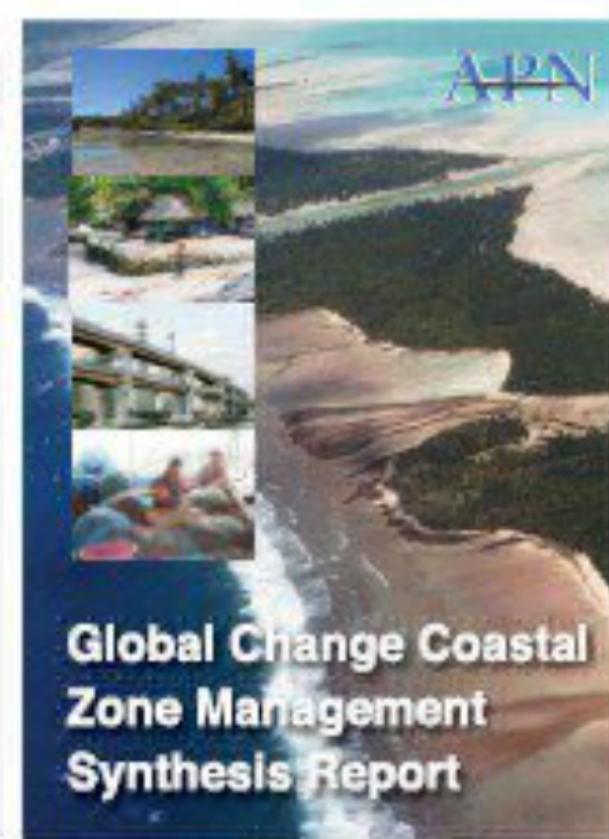


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## Core Programmes

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- Competition process based on merit to select projects for funding under the APN.

**APN Core Programme 2: CAPABLE**

• A platform for APN research projects.

**Regional Adaptation and Resilience Strategy (RARS)**

• A strategic framework for APN research projects.

## APN Projects with involvement of Pacific Island countries

**APN List of Projects with Involvement of PICs (2010-2012)**

**APN List of Projects with Involvement of PICs (2010-2012)**

• A list of APN projects involving Pacific Island countries.

## Outcomes of Activities on climate change

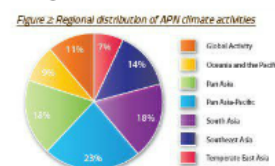
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- Adaptability & Adaptation to Climate Change
- Sustainable Agriculture to Climate Change
- Resilibility to Adaptation to Climate Change

Figure 2: Regional distribution of APN climate activities



## APN Climate Synthesis Report

**Recommendations:**

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