



The Importance of Hydromet & Climate Information Services to the Climate Resilience Agenda

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Outline

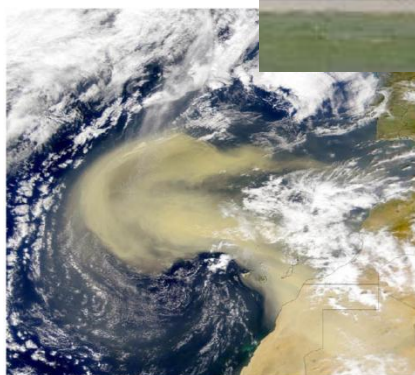
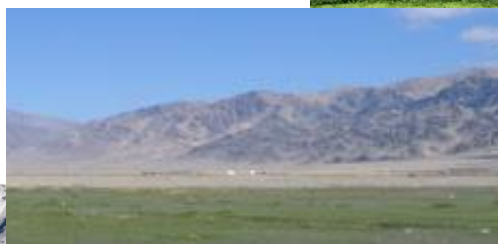
- Importance of Hydromet & Climate Information Services (HCIS)
- Overview of PPCR & Activities in HCIS
- The Shared Learning & Knowledge Series

Hydromet & Climate Services Are Important, Because...

They contribute to reducing livestock and crop loss in climate vulnerable areas – for example in Mongolia



They help protect coastal areas from floods & storms – in Vietnam



They contribute to climate resilient development in key sectors – in Mozambique, etc.

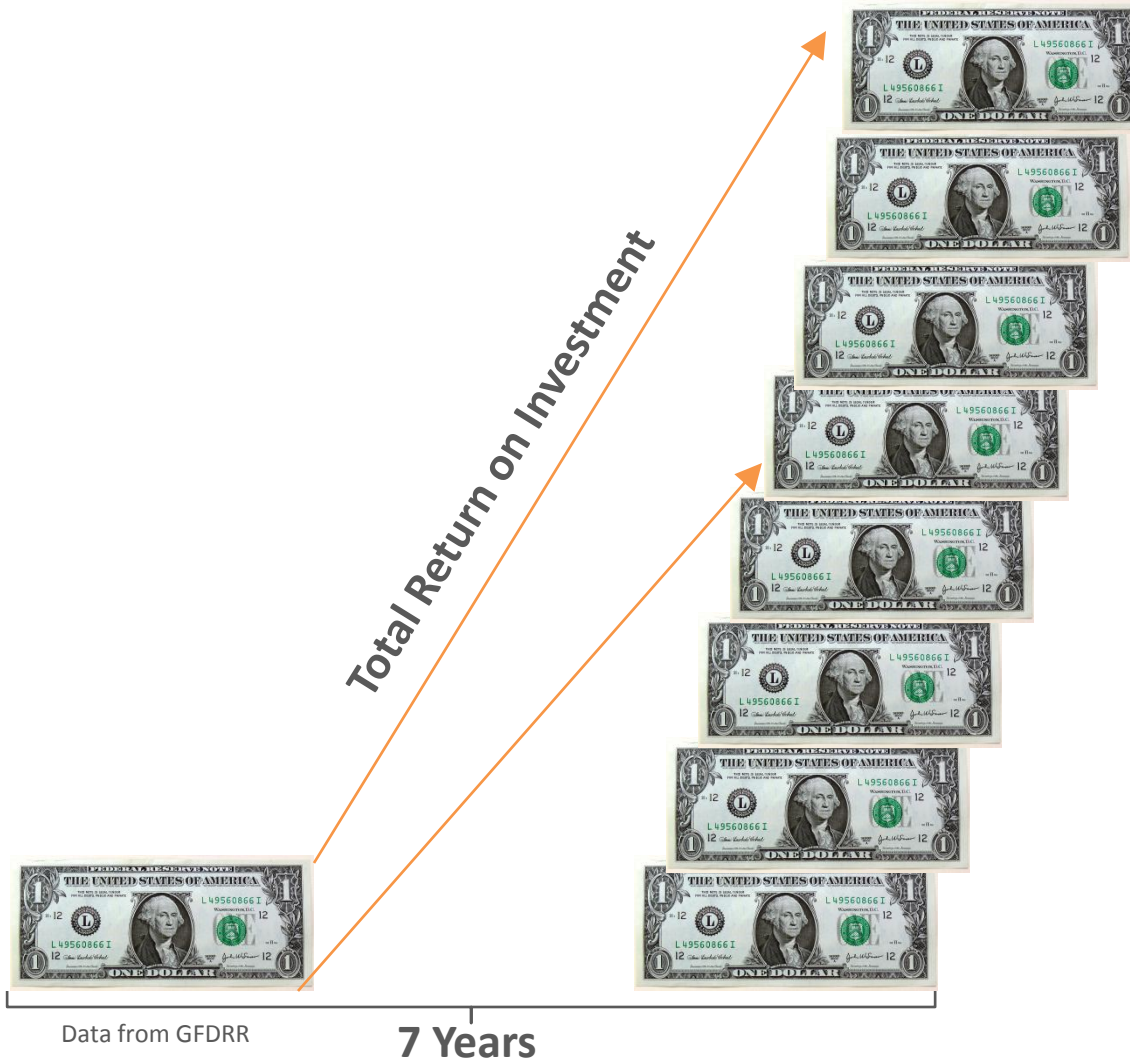


However, Large Gaps in Hydromet Coverage Persist.....



Coverage of meteorological surface observation stations worldwide

Economic Returns on Hydromet Investments are Very Large



Study done by World Bank for its ECA region showed that:

1. Depending on the estimation method, rates of return are on average between 23 to 35% per year.
2. Increased Climate Variability and long term Climate Change only stand to increase the returns even more.

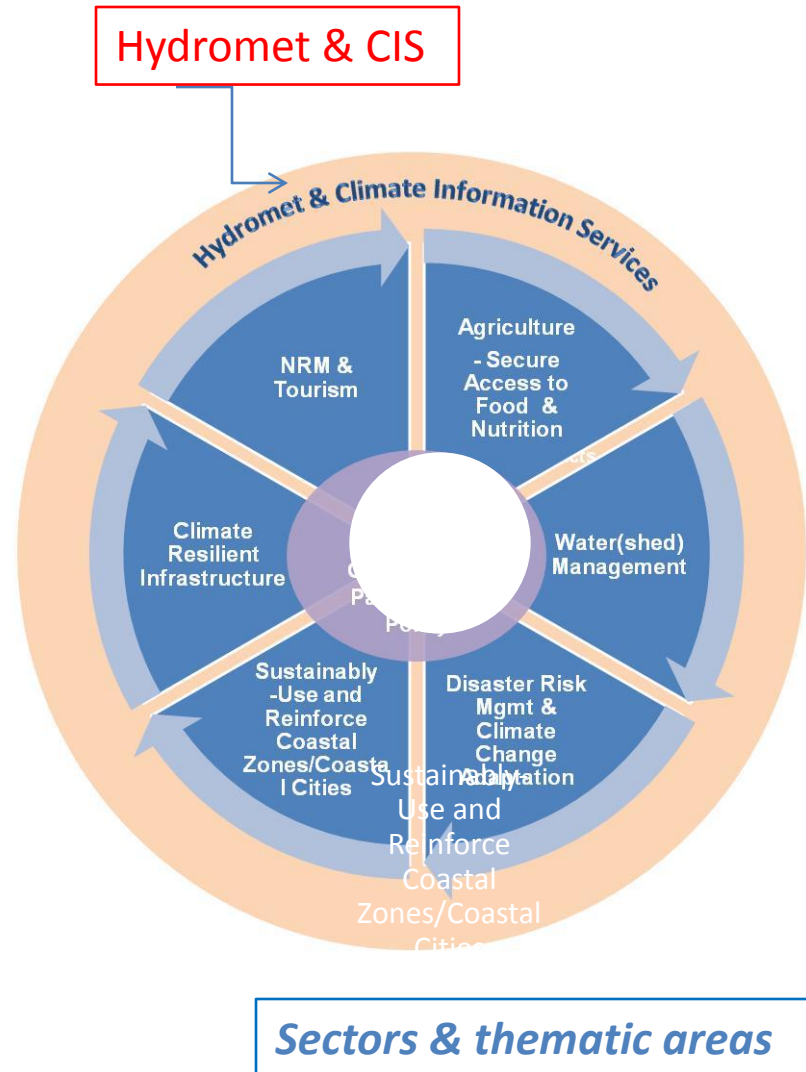
PPCR Areas of Intervention and Support

Cross-cutting themes

- Policy (mainstreaming climate resilience in development)
- Community resilience
- Private sector development
- Gender
- Disaster risk reduction
- Capacity building and awareness raising



<p>1. Policy & Enabling Environment</p> <ul style="list-style-type: none"> › Development of climate-resilient codes and standards › Improved oversight, management and maintenance › Climate-resilient sectoral and local development plans 	<p>2. Physical Investments</p> <ul style="list-style-type: none"> › “No-regrets” projects - valuable even in absence of climate change › New types of infrastructure that take climate resilience into account, for instance at small-scale › Retrofitting infrastructure to cope with changing climate
<p>3. Capacity Building</p> <ul style="list-style-type: none"> › Analytical studies and assessments to guide climate-resilient infrastructure design › Human capacity building › Capacity building of institutions 	<p>4. Knowledge Management</p> <ul style="list-style-type: none"> › Climate resilience aspects are integrated into Trainings and Dissemination products such as guidance manuals › Data and information gathering for informed decisions and actions › Improved coordination and systematization of knowledge



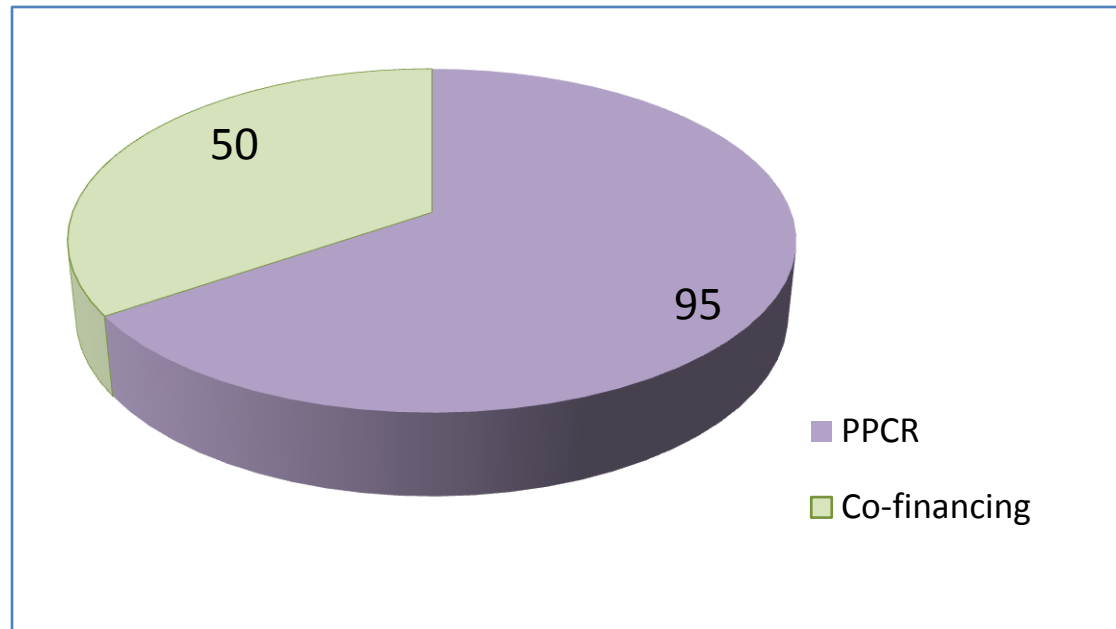


Overview of PPCR Support to HCIS

PPCR Countries with HCIS investment

- Cambodia
- Grenada
- Nepal
- Niger
- Saint Vincent and the Grenadines
- Samoa
- Tajikistan
- Zambia
- Mozambique
- Jamaica*
- Yemen*
- Bolivia*
- Regional tracks - forthcoming

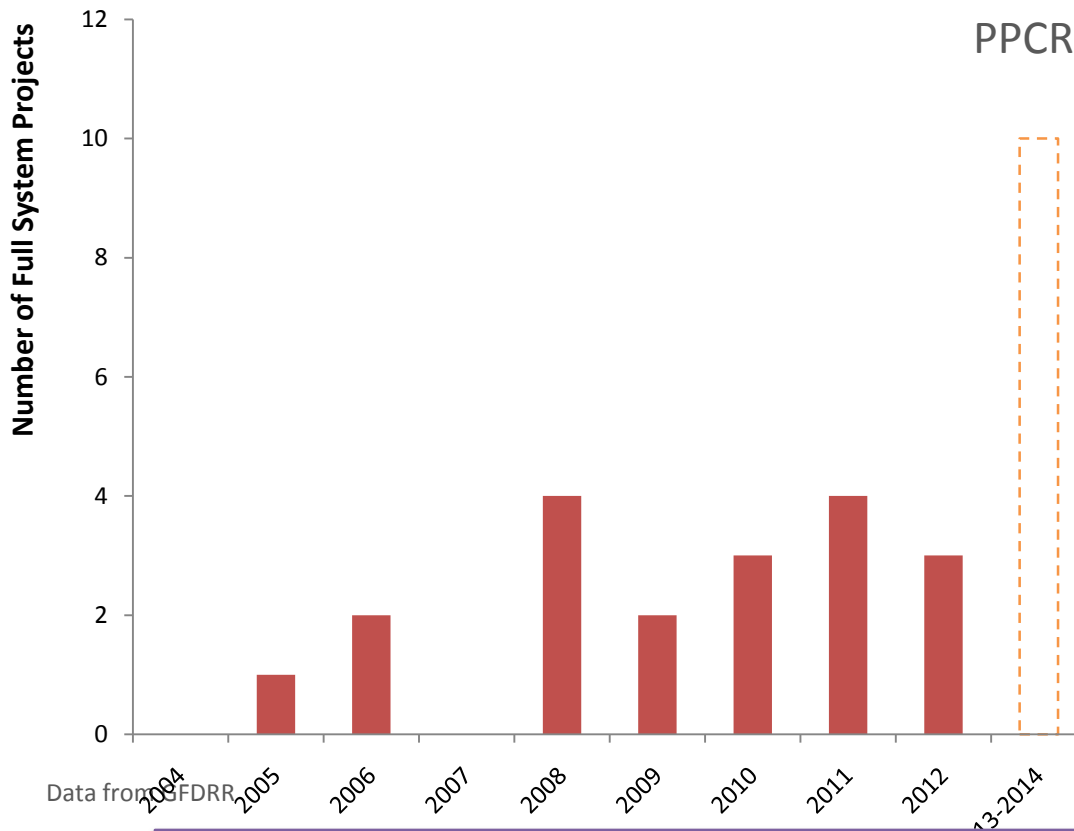
Indicative funding for HCIS* (\$M) via PPCR



(i) This excludes sums for large multi-sector projects that do not specify amount for hydromet activity (e.g., Cambodia), and recent approvals (Jamaica, Bolivia) and Yemen, regional tracks

(ii) for several investments co-financing is still TBD

Client Demand for Hydromet+ System-Oriented Projects Is on the Rise



PPCR*

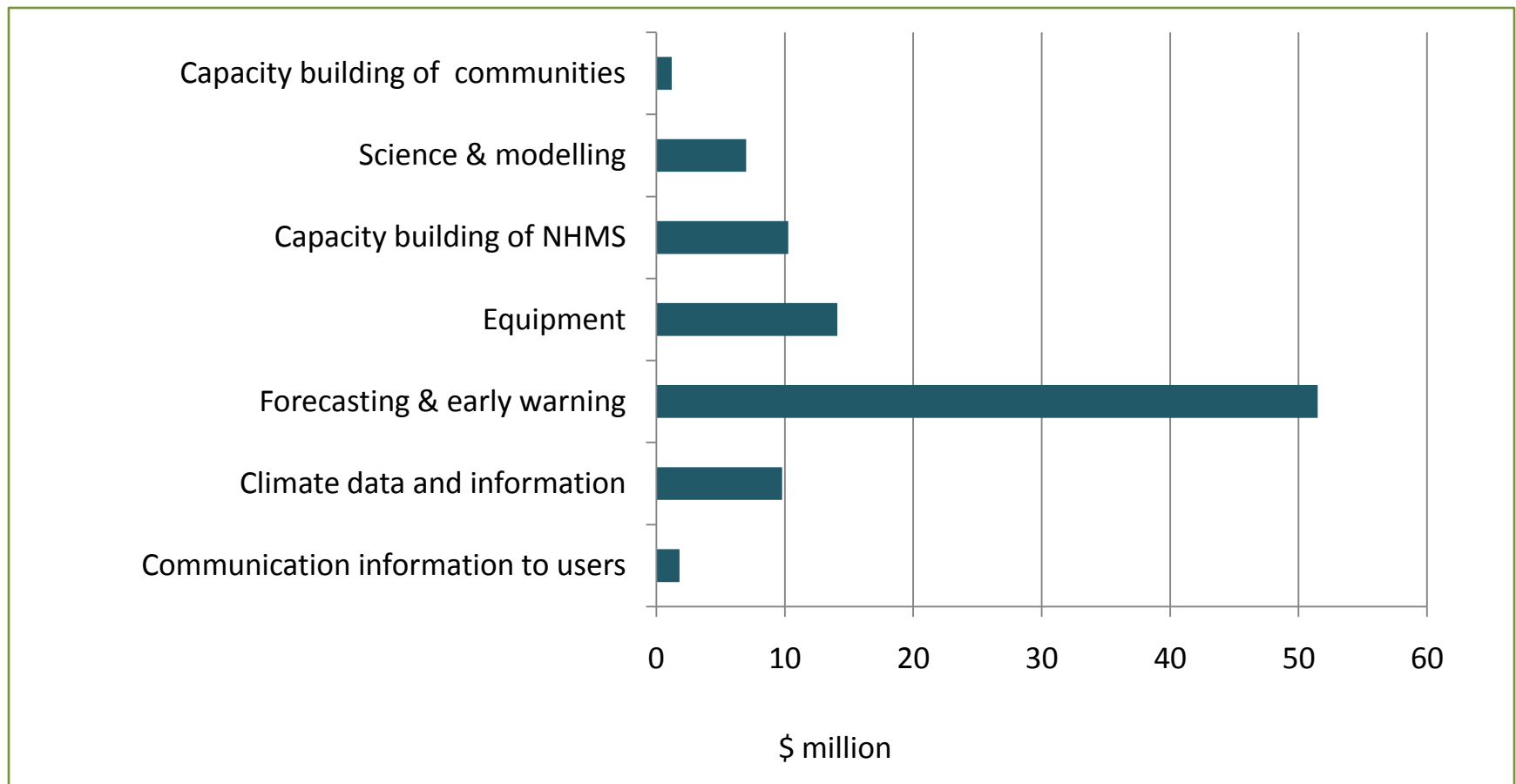
Key points:

- Sharp rise in WB portfolio of hydromet ++/systems approach investments
- PPCR investments are going to provide a strong additional boost.
- Opportunity for shared learning

➤ **Opportunity for PPCR to transform at scale & set a new “gold standard for NHMS/CIS projects**



Nature of Investments proposed for HCIS Investments under the PPCR



The Climate Change Knowledge Portal (CCKP)

- Even as countries build-up their Hydromet & Climate Information Services capacities, they nevertheless need access to global climate data.
- The CCKP a central part of the World Bank's Open Data Initiative is an open source knowledge platform and on-line interactive tool that provides:
 1. access to comprehensive global, regional, and country data and information related to climate change and development;
 2. a mapping visualization tool (WebGIS) to display key climate variables and climate impacts;
 3. a platform for archiving the country's hydromet data

Climate Change Knowledge Portal

For Development Practitioners and Policy Makers

The Climate Change Knowledge Portal (CCKP) Beta is a central hub of information, data and reports about climate change around the world. Here you can query, map, compare, chart and summarize key climate and climate-related information. [Read More](#)

Click on an area of the map to get started >

[Disclaimer](#)



OPEN DATA INITIATIVE

[Get Data](#)

Use your creativity to integrate, visualize and synthesize climate and development data through the application of Information Technology.

CLIMATE INFORMATION MICROSITES

[View Apps](#)

Tour the portal highlights in these development and climate change storylines. And take them with you!

GLOBAL CLIMATE DATA

[Learn More](#)

Explore and use our vast library of climate information. Chart, Map, Use historical, variability, and future projections.

DOWNSCALED CLIMATE DATA

[Learn More](#)

Preview the forthcoming downscaled data! These data will enhance our information base for assessing and modeling changes in water availability, flood and drought stress and associated changes in agricultural productivity, etc.

Hydromet & Climate Services - Shared Learning & KM

CIF
Partnership
Forum

Pilot country
meeting

2011

Aug

Sep

Nov

2012 Jan

Mar

HM Thematic note:
Stock-taking hydromet-
climate services related
projects:
What is being planned
where and in which
sectors?

1st Learning Event:
TTLs and wider audience
discuss hydromet and
climate services projects

Outreach:
2-pager fact sheets
for Durban COP-
17, Climate Portal
Presentation

2nd Learning Event:
Input from experts on
key hydromet and
climate services topics

**Knowledge
Product**
Quick guide to
climate information
services

PPCR-GFDRR WCIDS Event Series
presents:

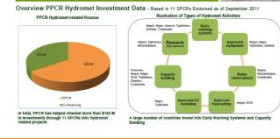
**“Actions and Challenges
relating to Hydromet Services:
Moving Forward on the PPCR
Investments”**

- Promoting Shared Learning and
Knowledge Exchange

Introductory Remarks:
Marianne Fay (Chief Economist,
SDNCE)

Chair:
Rosina Bierbaum (World Bank
Fellow on Climate Change)

PPCR- HYDROMET & CLIMATE SERVICES (HCS) FACT SHEET



For more information visit
data.worldbank.org/climate-change

GFDRR

Promoting Shared Learning
and Knowledge Exchange

**“Key Elements of Climate
Information and Services
Provision
for World Bank and PPCR
Investments”**

Introductory Remarks:
Andrew Steer (Special Envoy,
Climate Change, World Bank)

Closing Remarks:
Mary Barton-Dock (Director,
Environment Department,
World Bank)

**QUICK GUIDE TO CLIMATE
INFORMATION SERVICES**

An introductory resource
for practitioners:
- Overview: What is Climate
Information Services
System?
- What are frequently
encountered issues?
- What are key resources
on hydromet & climate
services?

***Participation of MDBs, NOAA, UKMO, IRI, etc.**

