

## PROGRAM

# Workshop: Adapting to Climate Change in South Asia and West Africa

NOVEMBER 13-15, 2023

The negative effects of climate change, including excessive heat, flash flooding, sea level rise, and increasingly severe droughts, already impact South Asia and West Africa, and are projected to increase in severity and geographic range. To adapt to these threats, robust policies based on the best scientific evidence are urgently needed to protect the health, livelihoods, and environments of the people in these regions. Communities across the global south share common challenges and can learn from each other.

This workshop will build on research being conducted by the faculty research clusters on climate adaptation in West Africa and South Asia, through funding from the Salata Institute for Climate and Sustainability at Harvard University, to discuss the shared threats that climate change poses in their respective geographies. The conversations will focus on where impacts are expected, local vulnerabilities and risks in these regions, what local capacity and government response is necessary, including the stakeholders who will need to make decisions on the ground, connecting these conversations across these regional contexts, and planning for how to prepare local, regional, and international capacity on the topic.

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Day 1 NOVEMBER 13	8.30 AM	Registration and coffee/tea
	8.45 AM	<b>WELCOME REMARKS</b> <b>JAMES H. STOCK</b> <i>Vice Provost for Climate and Sustainability, Harvard University; Director, Salata Institute for Climate and Sustainability; Harold Hitchings Burbank Professor of Political Economy, Harvard University</i> <b>EMMANUEL AKYEAMPONG</b> <i>Ellen Gurney Professor of History and Professor of African and African American Studies, Harvard University</i> <b>SATCHIT BALSARI</b> <i>Assistant Professor in Emergency Medicine, Harvard Medical School</i>
	9.00 AM	<b>PANEL 1:</b> <b>IMPLICATIONS OF CLIMATE PROJECTIONS: PREPARING FOR UNCERTAINTY</b> OPENING REMARKS: <b>PETER HUYBERS</b> <i>Professor of Earth and Planetary Sciences, Professor of Environmental Science and Engineering, Harvard University</i> PANELISTS: <b>IBIDUN ADELEKAN</b> <i>Professor of Geography, University of Ibadan, Nigeria</i>

**BOB KOPP**

*Distinguished Professor of Earth & Planetary Sciences, Rutgers University*

**JERRY MITROVICA**

*Frank B. Baird, Jr. Professor of Science, Faculty of Arts and Sciences, Harvard University*

DISCUSSANTS:

**SÖNKE DANGENDORF**

*David and Jane Flower Assistant Professor, Tulane University*

**JORGE LORENZO TRUEBA**

*Associate Professor, Department of Earth and Environmental Studies, Montclair State University*

10.30 AM

Break

10.50 AM

**PANEL 2:**

**ADAPTING TO CLIMATE CHANGE IN SOUTH ASIA AND WEST AFRICA**

The panel discussion will be preceded by a 12-minute video on adaptation in West Africa by Adolphus Opara.

OPENING REMARKS:

**DANIEL SCHRAG**

*Sturgis Hooper Professor of Geology; Professor of Environmental Science and Engineering, Harvard University*

PANELISTS:

**PETER DERY**

*Director of Environment, Ministry of Environment, Science, Technology, and Innovation (MESTI), Ghana*

**JOHN KUSIMI**

*Senior Lecturer, Department of Geography & Resource Development, University of Ghana*

**ADITYA PILLAI**

*Fellow and Coordinator of the Adaptation and Resilience Initiative, Sustainable Futures Collaborative*

**SABINA RASHID**

*Professor and Dean, James P Grant School of Public Health, BRAC University*

12.30 PM

**LUNCH**

A photo exhibition of shoreline erosion and coastal land use in West Africa will be on display over lunch. Participants are encouraged to make their way through the exhibit.

1.30 PM

**BREAKOUT SESSIONS**

**BREAKOUT 1: GENERATING EVIDENCE FOR LOSS AND DAMAGES**

The data needed to inform evidence-based policy making and research in the populations most vulnerable to climate change are either absent or difficult to access due to a host of technical, regulatory, and financial barriers. This break-out session will begin with a description of [Climateverse](#), a Harvard-based open access data repository initiative that is curating annotated datasets related to climate change and human health, inviting participants to provide a roadmap to expand its scale, scope, and adoption. The session will also discuss [Community HATS](#), an exciting new project that seeks to down-scale climate models and measure the impact of heat on human health in environments the poor work and live in. In this session, participants will respond to the proposed ideas and identify local opportunities for further engagement.

FACILITATOR:

**SATCHIT BALSARI**

*Assistant Professor in Emergency Medicine, Harvard Medical School*

**BREAKOUT 2: GOVERNING HUMAN SETTLEMENTS**

Along the West African Coast Demographic pressures, land use planning, and governmental challenges were key issues in all three West African countries, especially in Lagos with its long history of land scarcity. Vague definitions of shoreline and coastline, unregulated construction close to the shoreline, real estate development on wetlands,

informal settlements, weak urban planning and regulation, and the overlapping authority of government departments have combined to undermine coherent and effective governance of human settlements along the coast. The session will explore ways that government, the private sector, NGOs, and coastal communities can work together to produce a governance framework that regulates human settlement along the coast in comprehensive and satisfactory ways.

FACILITATOR:

**ERIC VALERE DJAGOVA**

*WACA (West Africa Coastal Areas Management Program – World Bank Initiative) and Ministry of Environment and Sustainable Development*

3.00 PM

**Break**

3.30 PM

**PANEL 3:  
LOCAL IDIOMS FOR A JUST TRANSITION**

CHAIR:

**NATALIA LINOS**

*Executive Director, FXB Center for Health and Human Rights, Harvard University*

PANELISTS:

**SAMIRA BAWUMIA**

*Second Lady of the Republic of Ghana; Founder and CEO, Samira Empowerment and Humanitarian Projects (SEHP)*

**ROB PAARLBERG**

*Emeritus Professor of Political Science at Wellesley College; Associate at Harvard's Weatherhead Center, Harvard Kennedy School*

**BIRAJ PATNAIK**

*Executive Director, National Foundation of India*

5.00 PM

**CLOSING REMARKS**

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**Day 2  
NOVEMBER 14**

On Day 2 - Tuesday, November 14 - the South Asia and West Africa Clusters will meet in their respective groups. Please refer to cluster-specific programs for meeting venues and an overview of programming on Day 2.

Clusters will reconvene at 5.30pm at CGIS South for the workshop's keynote event (details below).

*Keynote event venue:* 5.30 PM  
*Tsai Auditorium,  
CGIS South - Concourse,  
1730 Cambridge Street,  
Cambridge*

**WORKSHOP KEYNOTE EVENT:**

**RECALIBRATING SUSTAINABILITY: LIVING WITH A CHANGING CLIMATE**

**PRABHU PINGALI**

*Professor, Charles H. Dyson School of Applied Economics and Management, Cornell University; Director, Tata-Cornell Institute for Agriculture and Nutrition (TCI), Cornell University*

**JOSEPH ONOJA**

*CEO, Nigerian Conservation Foundation*

*Introductory remarks: CAROLINE BUCKEE and EMMANUEL AKYEAMPONG*

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<p>Day 3 NOVEMBER 15</p> <p><i>Nye Conference Center, Level 5, Taubman Building, Harvard Kennedy School 15 Eliot Street, Cambridge</i></p>	8.45 AM	Registration and coffee/tea	
	9.00 AM	<p><b>PANEL 4:</b> <b>FINANCING CLIMATE ADAPTATION</b></p> <p>CHAIR: <b>VIKRAM GANDHI</b> <i>Senior Lecturer of Business Administration, Harvard Business School</i></p> <p>PANELISTS: <b>MIHIR BHATT</b> <i>Founder and Director, All India Disaster Mitigation Institute (AIDMI)</i> <b>HIPPOLYTE FOFACK</b> <i>Chief Economist and Director of Research and International Cooperation, African Export-Import Bank</i> <b>RENUKA SANE</b> <i>Research Director, TrustBridge Rule of Law Foundation; Associate Professor, National Institute of Public Finance and Policy, India</i> <b>VANESSA USHIE</b> <i>Acting Director of African Natural Resources Center, African Development Bank</i></p>	
	10.30 AM	<p><b>PANEL 5:</b> <b>CLIMATE CHANGE AND ADAPTATION: A HEALTH AGENDA</b></p> <p>CHAIR: <b>SATCHIT BALSARI</b> <i>Assistant Professor in Emergency Medicine, Harvard Medical School</i></p> <p>PANELISTS: <b>CAROLINE BUCKEE</b> <i>Professor of Epidemiology, Harvard T.H. Chan School of Public Health</i> <b>ANN-CHRISTINE DUHAIME</b> <i>Nicholas T. Zervas Distinguished Professor of Neurosurgery, Harvard Medical School</i> <b>JENNIFER LEANING</b> <i>Senior Research Fellow, Harvard T.H. Chan School of Public Health</i> <b>FUAD MALLICK</b> <i>Professor and Dean, School of Architecture and Design at BRAC University; Visiting Professor in Urban Planning and Design, Harvard Graduate School of Design</i></p>	
	12.00 PM	<p><b>CLOSING REMARKS</b></p> <p><b>TARUN KHANNA</b> <i>Jorge Paulo Lemann Professor, Harvard Business School; Director, Lakshmi Mittal and Family South Asia Institute, Harvard University</i></p> <p><b>EMMANUEL AKYEAMONG</b> <i>Ellen Gurney Professor of History and Professor of African and African American Studies, Faculty of Arts and Sciences, Harvard University</i></p>	
	12.15 PM	Lunch / End of Workshop for West Africa Cluster Participants	
	2.00 PM	<p><b>SOUTH ASIA CLUSTER MEETING</b> <b>LANDSCAPE ANALYSIS DISSEMINATION PLAN</b></p>	
	4.00 PM	End of Workshop for South Asia Cluster Participants	

# PROGRAM

## South Asia Cluster Meetings

Day 2 NOVEMBER 14	9.00 AM (Break at 10.30 AM)	<b>SESSION 1: REVIEW OF LANDSCAPE ANALYSIS FINDINGS AND RECOMMENDATIONS</b>
<i>S030 - Lee Room CGIS South - Concourse, 1730 Cambridge Street, Cambridge</i>	12.15 PM	Lunch
	1.30 PM (Break at 3.00 PM)	<b>SESSION 2: ROUNDTABLE DISCUSSION ON FINANCING ADAPTATION IN SOUTH ASIA</b> FACILITATOR: <b>TARUN KHANNA</b> <i>Jorge Paulo Lemann Professor, Harvard Business School; Director, Lakshmi Mittal and Family South Asia Institute, Harvard University</i> OPENING REMARKS: <b>MIHIR BHATT</b> <i>Founder and Director, All India Disaster Mitigation Institute (AIDMI)</i> <b>BIRAJ PATNAIK</b> <i>Executive Director, National Foundation of India</i> <b>RENUKA SANE</b> <i>Research Director, TrustBridge Rule of Law Foundation; Associate Professor, National Institute of Public Finance and Policy, India</i> RESPONDENTS: <b>SPENCER GLENDON</b> <i>Founder, Probable Futures</i> <b>JOHN D. MACOMBER</b> <i>Senior Lecturer of Business Administration, Harvard Business School</i> <b>KATHY BAUGHMAN MCLEOD</b> <i>CEO, Climate Resilience for All</i>
		<b>BREAKOUT GROUP: HEAT SENSOR PROJECT: PLAN STUDY DESIGN</b> The following workshop participants are requested to reconvene after lunch - at 1.30pm - in CGIS S153 <b>SATCHIT BALSARI</b> <i>Assistant Professor in Emergency Medicine, Harvard Medical School</i> <b>CAROLINE BUCKEE</b> <i>Professor of Epidemiology, Harvard T.H. Chan School of Public Health</i> <b>TAPAS CHAKRABORTY</b> <i>Senior Programme Manager, Green Development and Climate Change Adaptation Modeling, Climate Change Programme, BRAC</i> <b>HEENA DAVE</b> <i>District Coordinator, Self Employed Women's Association</i> <b>SAHIL HEBBAR</b> <i>Consultant, Self Employed Women's Association</i> <b>AKHIL SHRIVASTAVA</b> <i>Scientist-D, India Meteorological Department</i>
	4.00 PM	Closing Remarks
Day 3 NOVEMBER 15	2.00 PM	<b>SOUTH ASIA CLUSTER MEETING LANDSCAPE ANALYSIS DISSEMINATION PLAN</b>
<i>Nye Conference Center</i>	4.00 PM	End of Workshop

# PROGRAM

## West Africa Cluster Meetings

Day 2 9.00 AM  
NOVEMBER 14

HUCE 440, 4th floor  
26 Oxford Street,  
Cambridge

### PANEL 1: FIELD REPORT ON CLIMATE CHANGE IN THE GULF OF GUINEA

CHAIR:

**EMMANUEL AKYEAMPONG**

*Ellen Gurney Professor of History and Professor of African and African American Studies, Faculty of Arts and Sciences, Harvard University*

PANELISTS:

**DANIEL AGBIBOA**

*Assistant Professor of African and African American Studies, Faculty of Arts and Sciences, Harvard University*

**TITE BEKE**

*Senior Lecturer, Felix Houphouet-Boigny University*

**JOHN KUSIMI**

*Senior Lecturer of Department of Geography & Resource Development, University of Ghana*

**ADOLPHUS OPARA**

*Photographer and Artist, Nigeria*

**ROBERT PAARLBERG**

*Emeritus Professor of Political Science at Wellesley College; Associate at Harvard's Weatherhead Center, Harvard Kennedy School*

COMMENT:

**SAMIRA BAWUMIA**

*Second Lady of the Republic of Ghana; Founder and CEO, Samira Empowerment and Humanitarian Projects (SEHP)*

10.30 AM Break

### 10.50 AM PANEL 2: SEA LEVEL SCIENCE IN THE SERVICE OF ADAPTATION

CHAIR:

**JERRY MITROVICA**

*Frank B. Baird, Jr. Professor of Science, Faculty of Arts and Sciences, Harvard University*

PANELISTS:

**CHUKWUMA OKOLIE**

*Lecturer, University of Lagos*

**BOB KOPP**

*Distinguished Professor of Earth & Planetary Sciences, Rutgers University*

**SÖNKE DANGENDORF**

*David and Jane Floweree Assistant Professor, Tulane University*

**JORGE LORENZO TRUEBA**

*Associate Professor, Department of Earth and Environmental Studies, Montclair State University*

12.30 PM Lunch

### 1.30 PM PANEL 3: LANDSCAPE ADAPTATIONS IN THE CONTEXT OF CLIMATE CHANGE

CHAIR:

**GARETH DOHERTY**

*Associate Professor of Landscape Architecture, Harvard Graduate School of Design*

PANELISTS:

**OLATUNJI ADEJUMO**

*Associate Professor of Architecture, University of Lagos*

**PAMELA CONRAD**

*Founder, Climate Positive Design; Faculty Lecturer, Harvard Graduate School of Design*

**AMY WHITESIDES**

*Design Critic in Landscape Architecture, Harvard Graduate School of Design*

3.00 PM Closing Remarks