

## A D I L N A J A M

The Frederick S. Pardee Professor of Global Public Policy

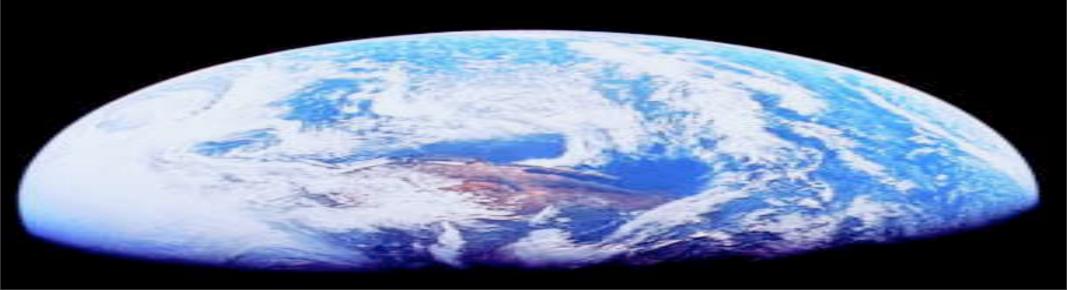
PARDEE CENTER FOR THE STUDY OF THE LONGER-TERM FUTURE

B O S T O N U N I V E R S I T Y

# Questions?

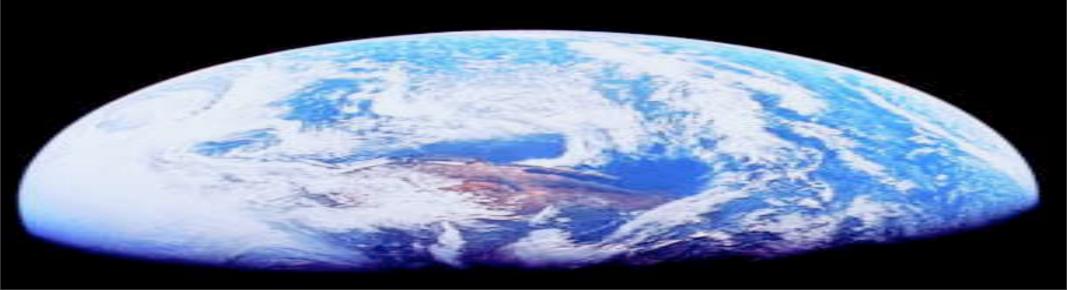


## What are future trends in the politics of climate, development and security?



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What is the nature of "globalness" in our globalized world?



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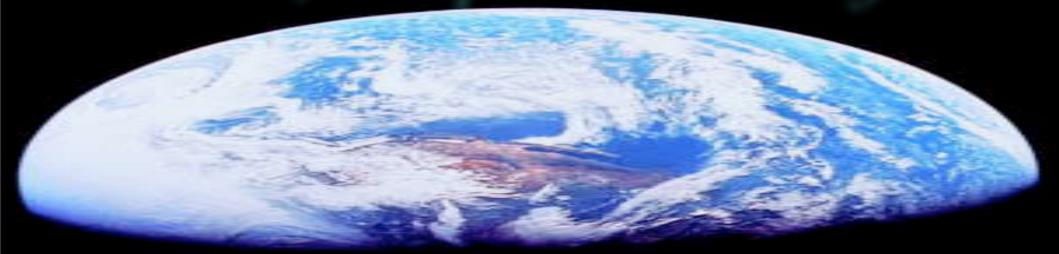
How have we tackled a truly global problem like climate change till now?

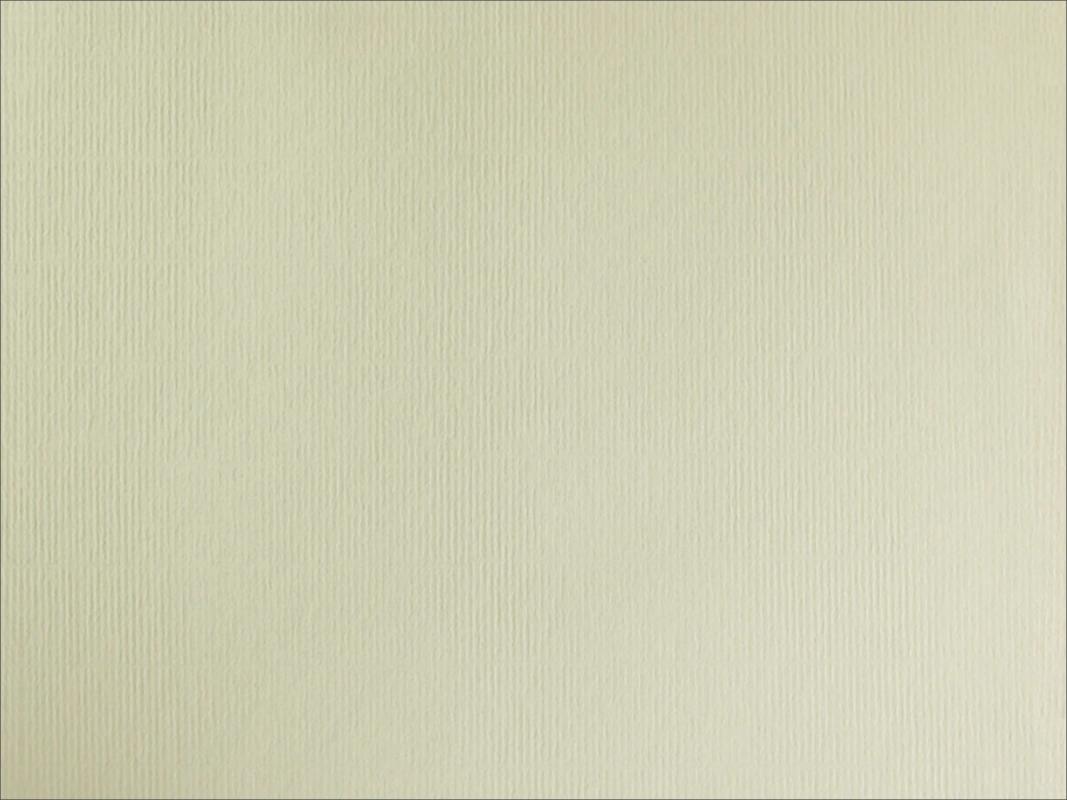


# What is the nature of "globalness" in our globalized world?

How have we tackled a truly global problem like climate change till now?

What are future trends in the politics of climate, development and security?





# BOSTON UNIVERSITY



#1.

Planetary
Designs



Planetary
Designs

CASE:
Stumbling
Forward



CONTEXT:
Planetary
Designs

CASE:
Stumbling
Forward



CONTEXT:
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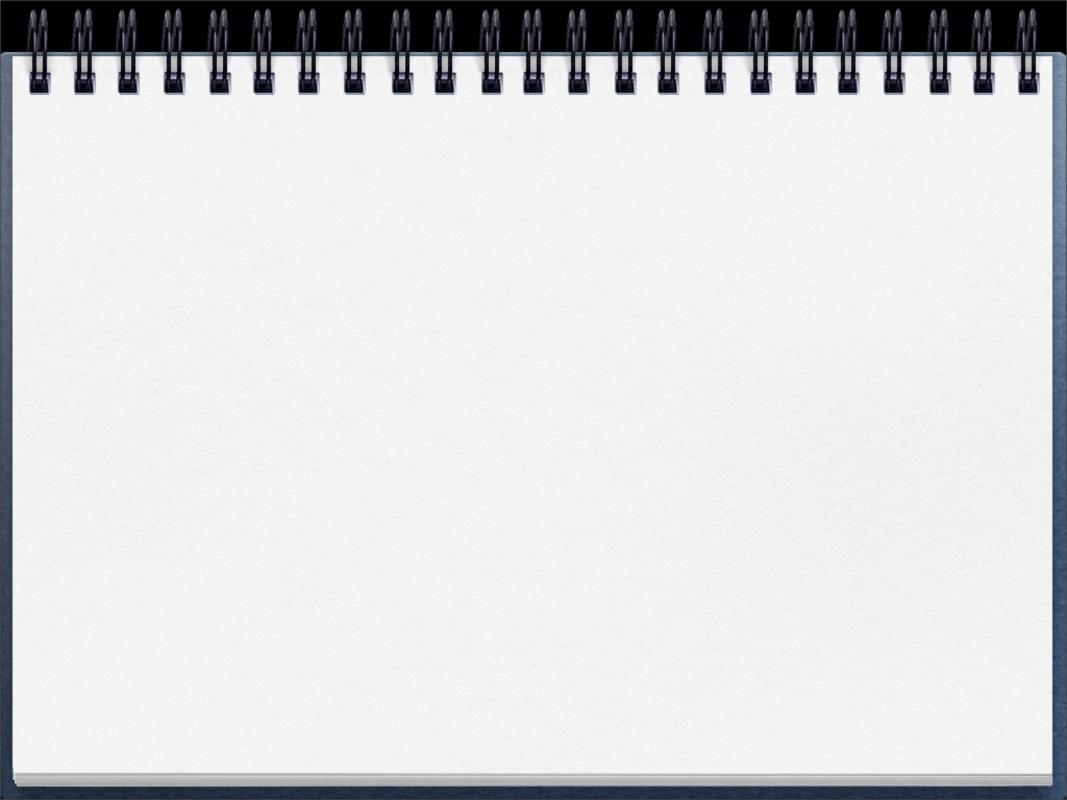
## Our Planet: Our Country



## Our Planet: Our Country



Imagine, if the world were one country...





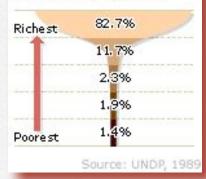
It would be a very Poor Country



It would be a very Poor Country

## Distribution of world income

Each band represents an equal fifth of the world population



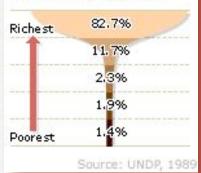
It would be a very Divided Country



It would be a very Poor Country

Distribution of world income

Each band represents an equal fifth of the world population



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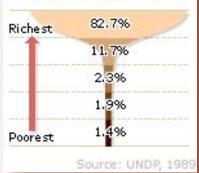
It would be a very Degraded Country



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Distribution of world income

Each band represents an equal fifth of the world population



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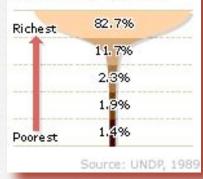
It would be a very Insecure Country



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Distribution of world income

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It would be a very Insecure Country



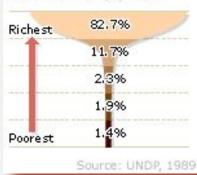
It would be Poorly Governed Country



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Distribution of world income

Each band represents an equal fifth of the world population



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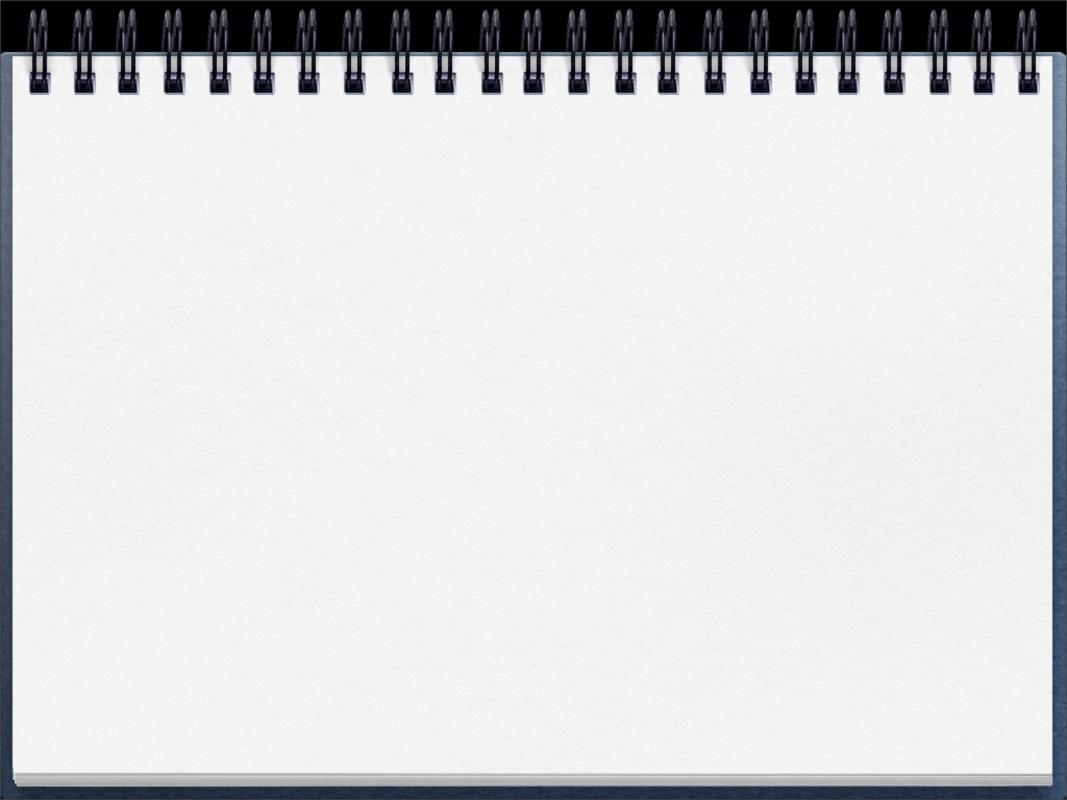
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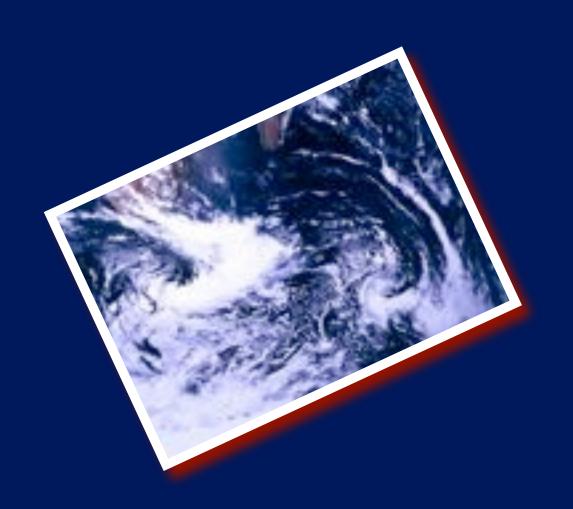
It would be an Unsafe Country







## Why Does this Matter







Why Does this Matter
The connectedness of environmental
challenges forces us to confront otherwise
neglected aspects of our global connectedness.

Many environmental issues are global; climate is *the* quintessential global challenges

Why Does this Matter
The connectedness of environmental
challenges forces us to confront otherwise
neglected aspects of our global connectedness.

Environmental challenges are essentially challenges of insecurity.

Why Does this Matter
The connectedness of environmental
challenges forces us to confront otherwise
neglected aspects of our global connectedness.

The development and insecurity aspects of environment invite us to rethink how we manage a "Third World Planet."





#### 



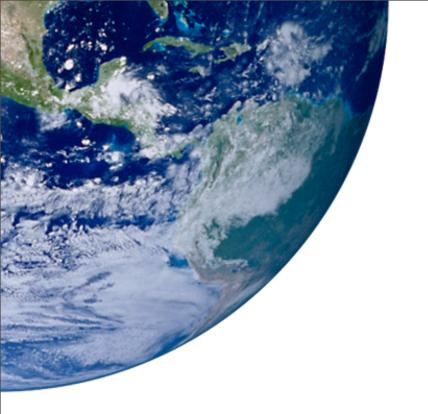




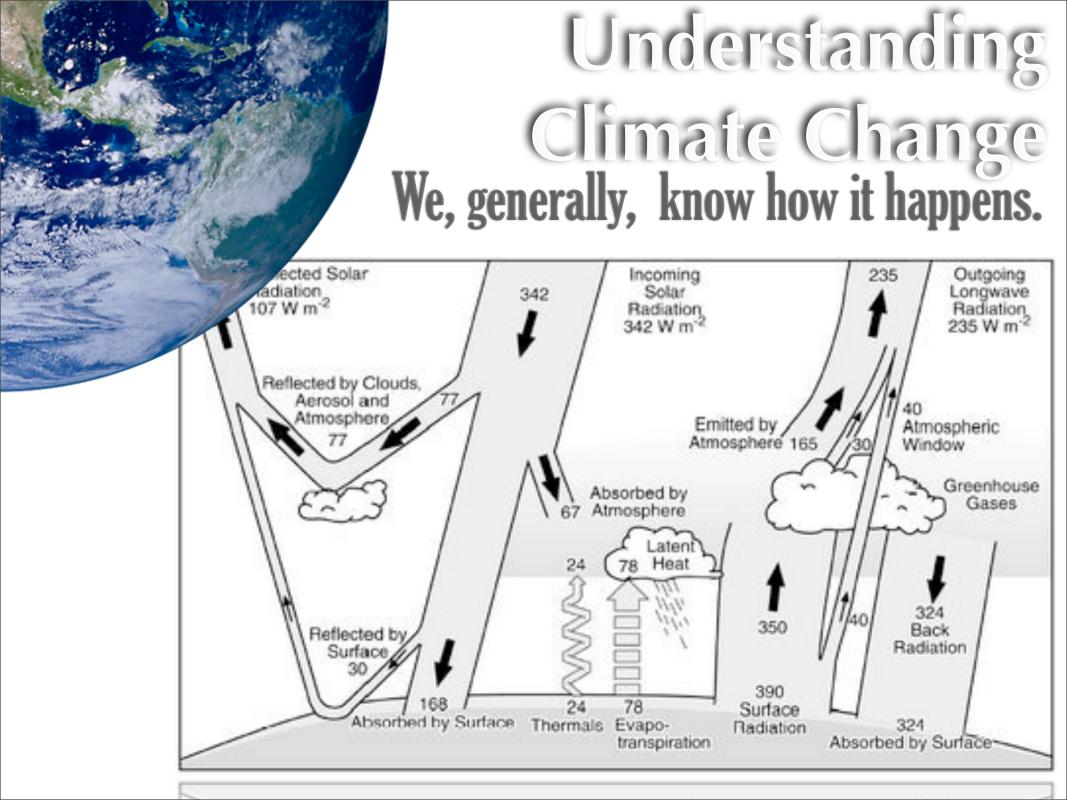


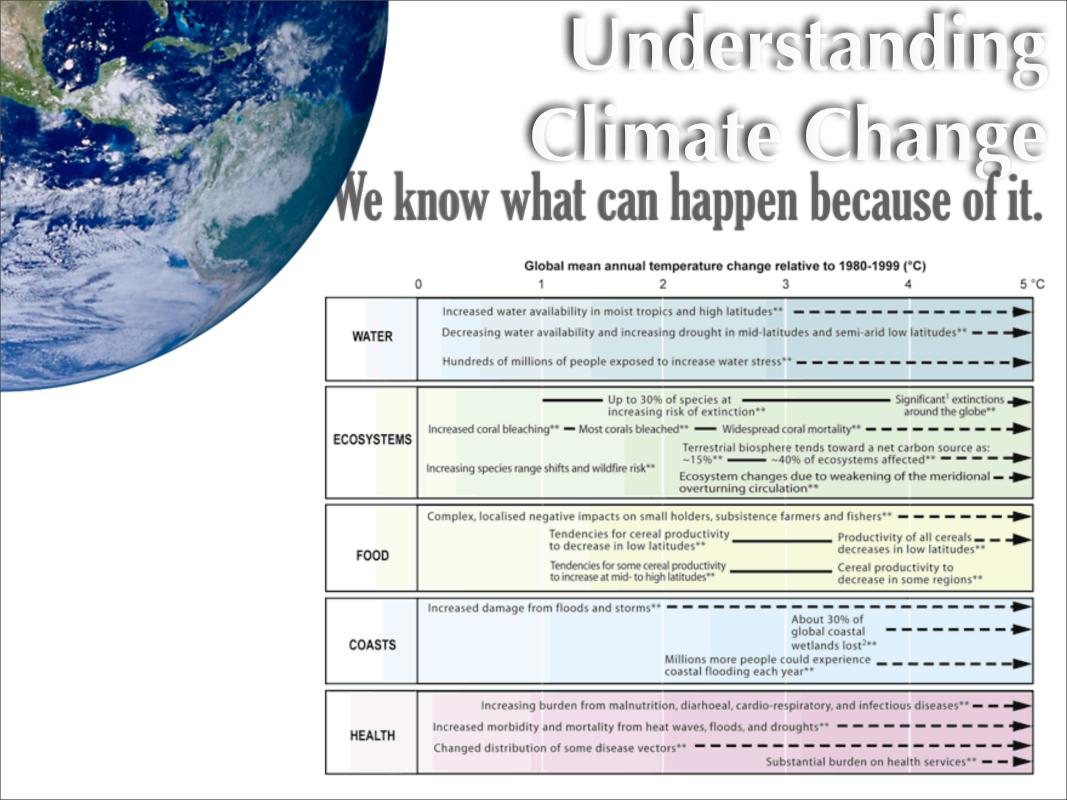


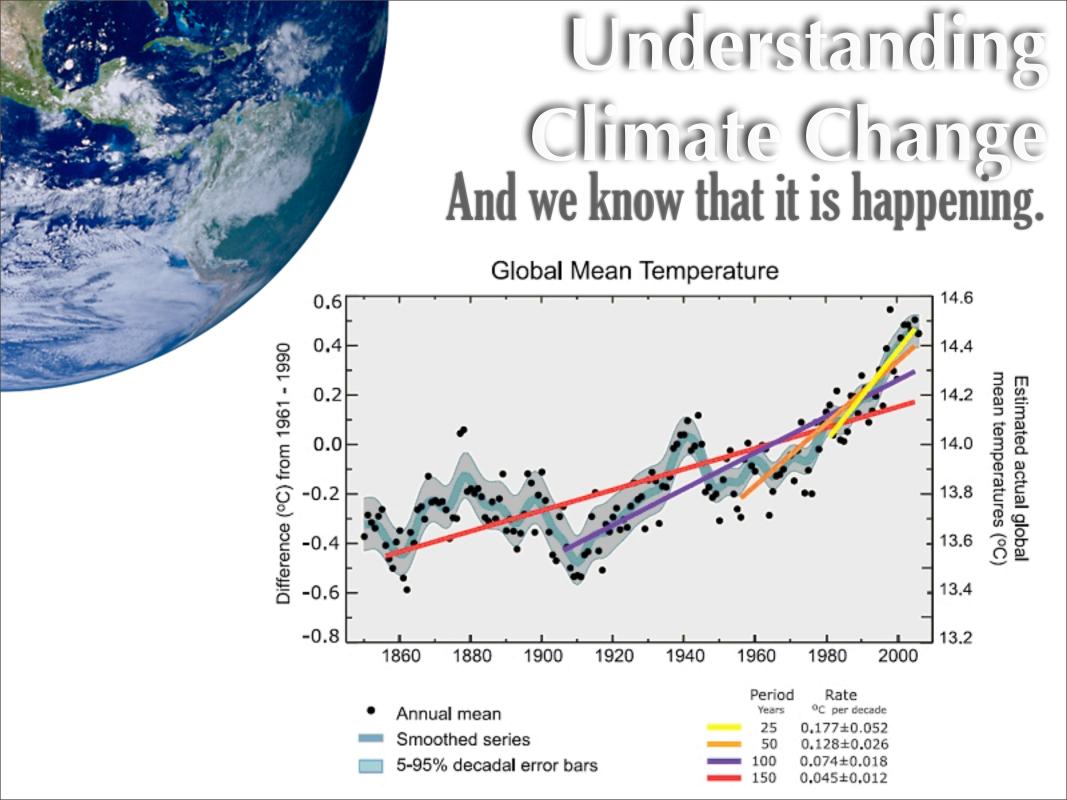


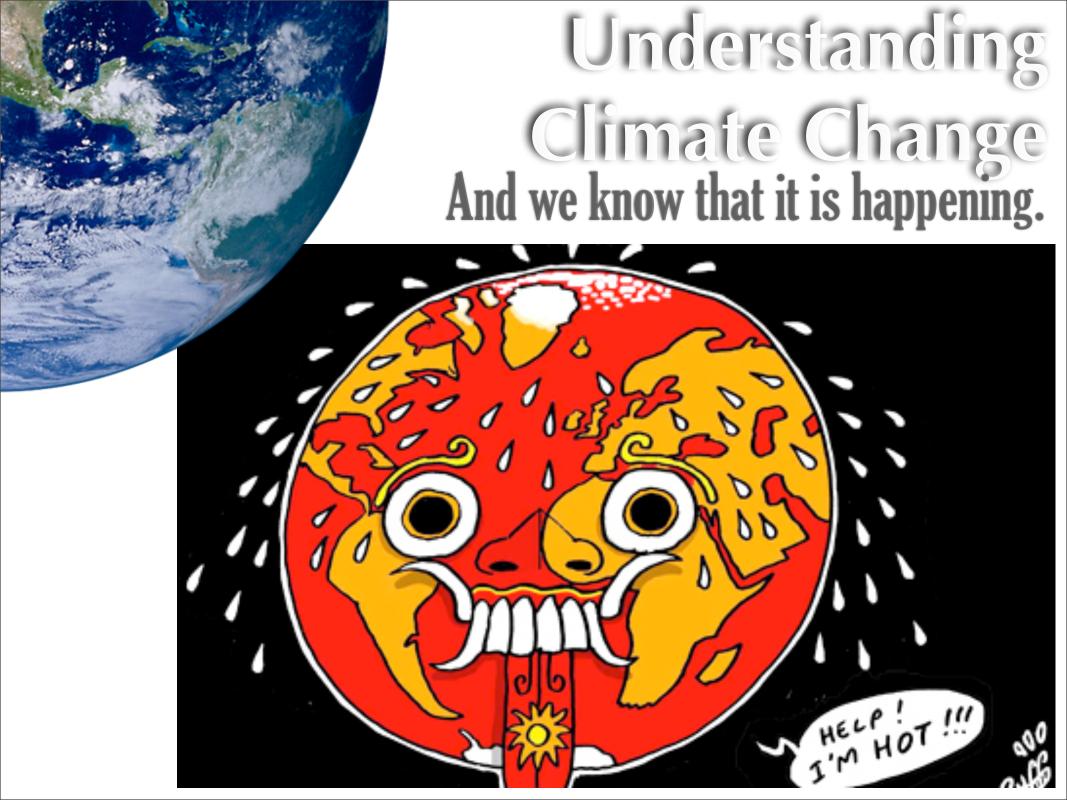


# Understanding Climate Change









#### Environment or Development?

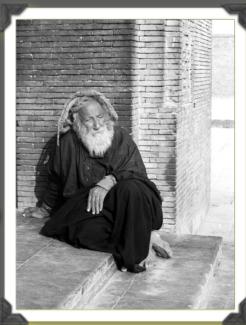


#### Environment or Development?

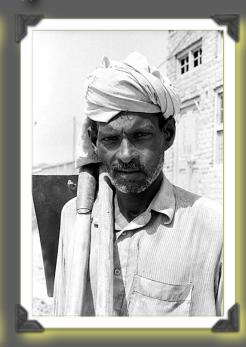


#### Environment or Development?

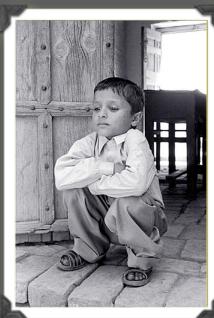
Is this
Even a
Choice?













Can you have
Sustainable
Development without
effective Climate
Stabilization?



Can you have
Sustainable
Development without
effective Climate
Stabilization?













Can you have
Climate Stabilization
without effective
Sustainable
Development?



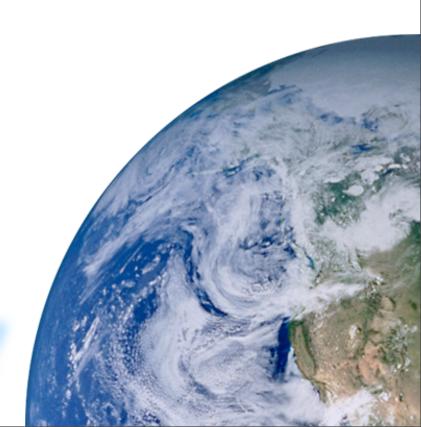
Can you have
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### MAYBE



Can you have
Climate Stabilization
without effective
Sustainable
Development?

### MAYBE



Can you have
Climate Stabilization
without effective
Sustainable
Development?

### MAYBE

But beware of the costs!

Procedural Costs



Can you have
Climate Stabilization
without effective
Sustainable
Development?

### MAYBE





Can you have
Climate Stabilization
without effective
Sustainable
Development?
Sy:

Foregone Political
Synergies Costs

**Procedural** 

Costs

### MAYBE

Can you have **Procedural** Climate Stabilization Costs without effective Sustainable **Foregone Synergies** Development?

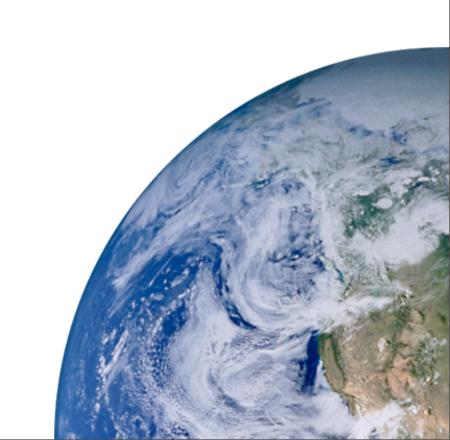
**Effectiveness** 

**Political** 

Costs

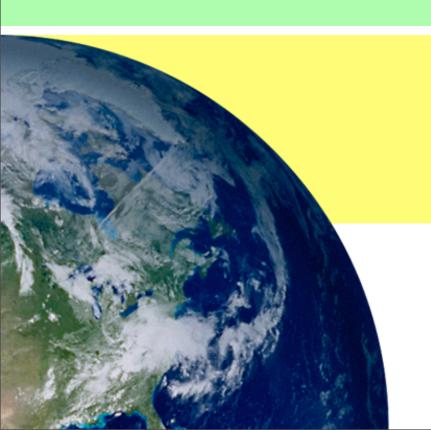
Costs

MAYBE











## UNFCCC Article 2 & Article 3





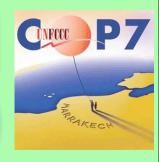


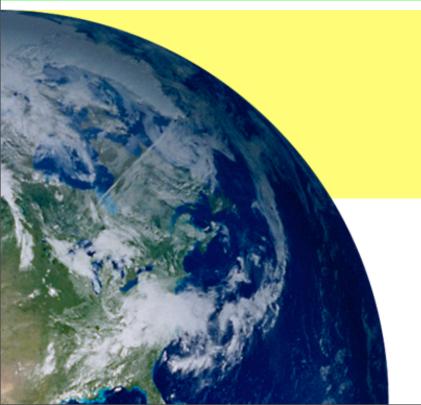
## UNFCCC Article 2 & Article 3





Kyoto Protocol Article 2 & Article 10







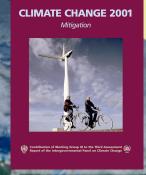
## UNFCCC Article 2 & Article 3





## Kyoto Protocol Article 2 & Article 10







## **IPCC Findings SRES Report**







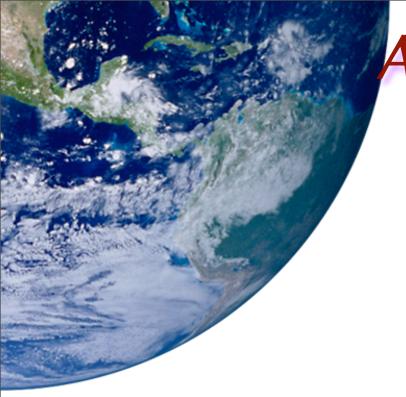


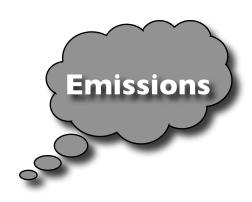
# The mandate to link CC and SD

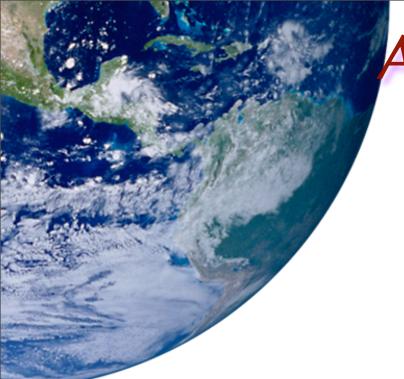


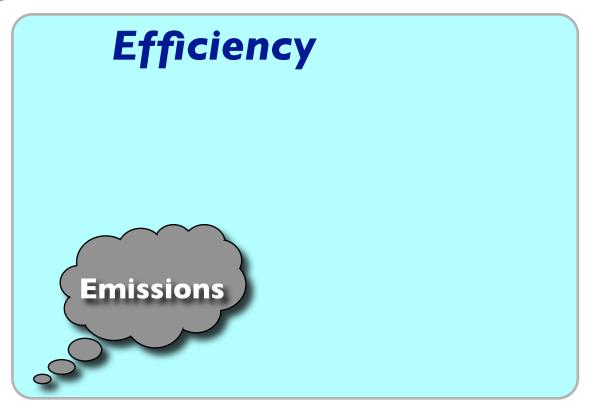




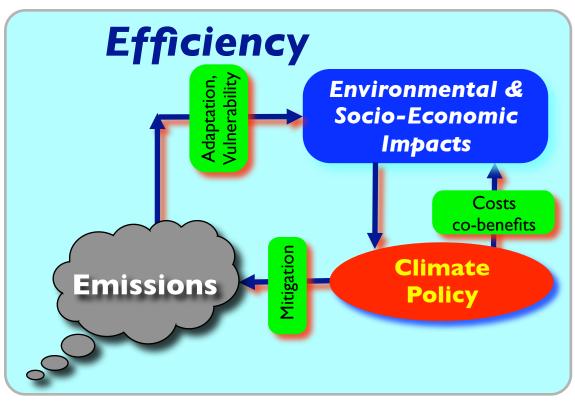




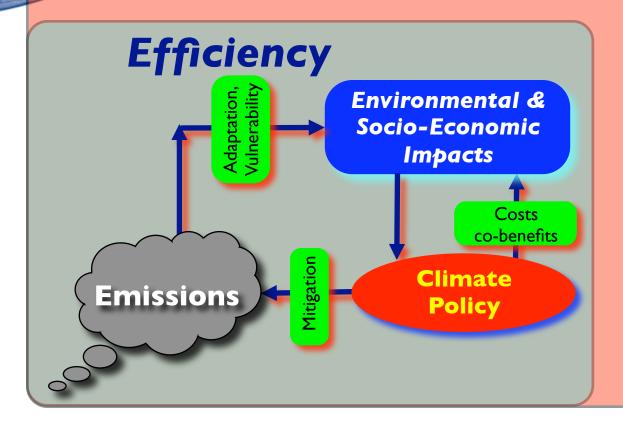


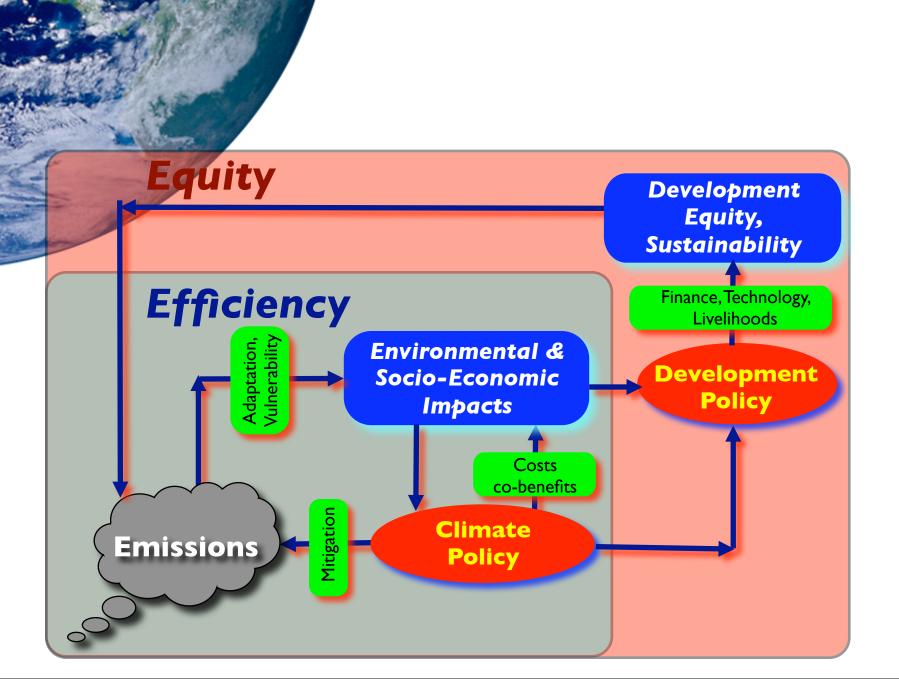


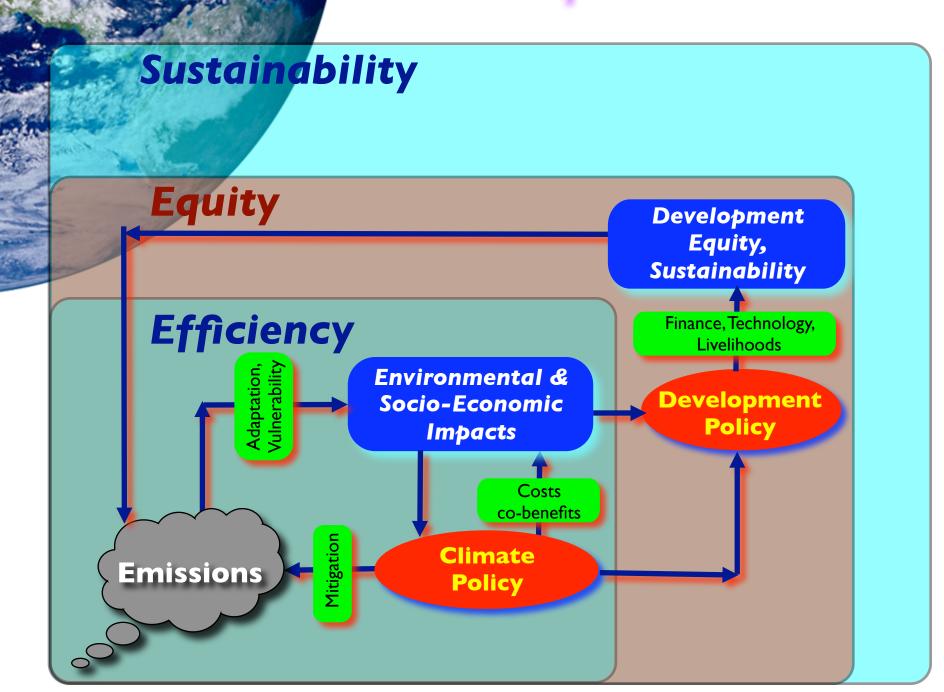


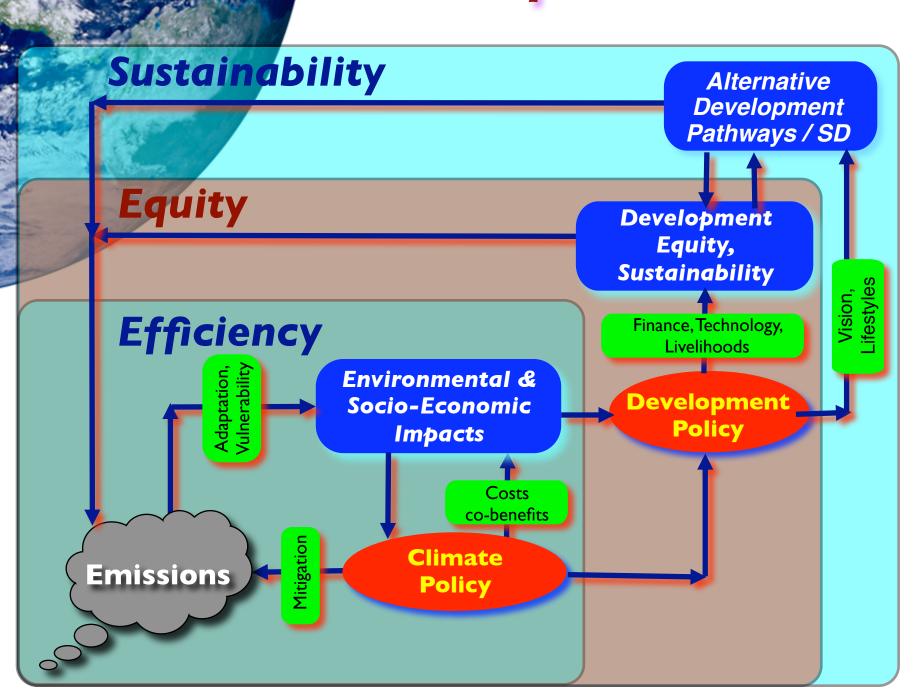




















**New Focus** 

## The Evolution of Ideas within the IPCC

IPCC First
Assessment
Report

Climate + Impacts

(Efficiency)

#### **Continuing Focus**

**New Focus** 

## The Evolution of Ideas within the IPCC

IPCC First
Assessment
Report

IPCC Second Assessment Report

Climate + Impacts

Climate + Impacts

(Efficiency)

**Efficiency** 

(Equity)

#### **Continuing Focus**

**New Focus** 

#### The Evolution of Ideas **IPCC Third** within the IPCC Assessmen

**IPCC First Assessment**  **IPCC Second Assessment** Report

Report

Climate +Impacts

Climate + **Impacts** 

**Efficiency** 

(Efficiency)

(Equity)

Climate +Impacts

Report

**Efficiency** 

**Equity** 

(Sustainability)

**Continuing Focus** 

**New Focus** 

#### The Evolution of Ideas within the IPCC **Assessmen**

**IPCC First Assessment** Report

Climate +

**Impacts** 

(Efficiency)

**IPCC Second Assessment** Report

Climate +Impacts

**Efficiency** 

(Equity)

Climate +Impacts

IPCC Third

Report

**Efficiency** 

**Equity** 

(Sustainability)

**Climate +Impacts** 

**Efficiency** 

Equity

Sustainability

(Sustainable **Development** \$ 5 5 5 5)

**Continuing Focus** 

**New Focus** 













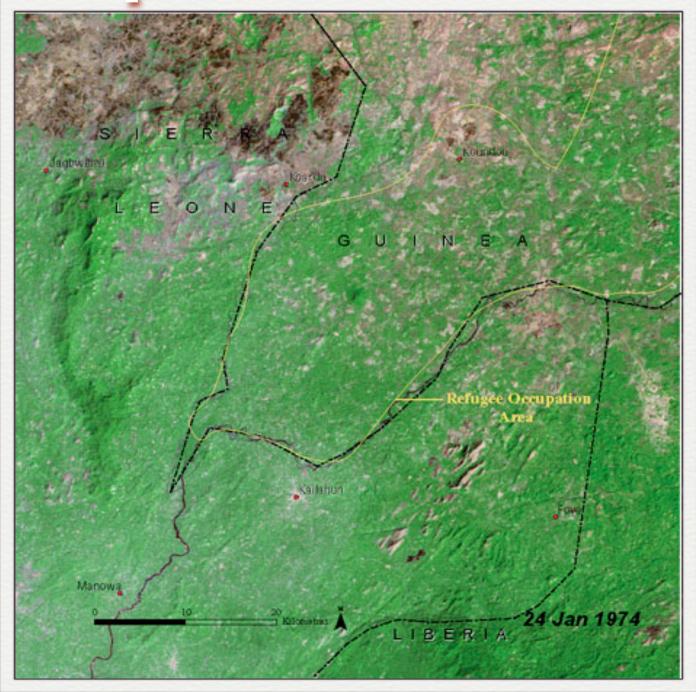






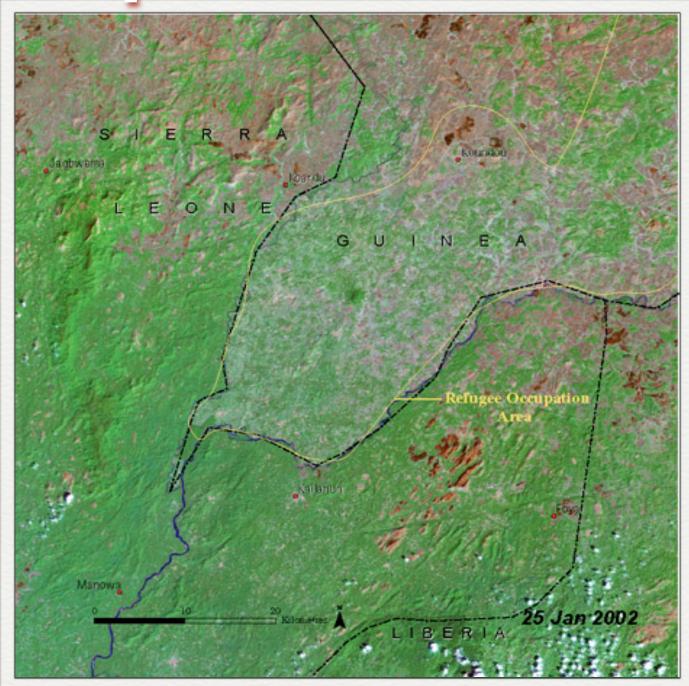


## Impact of Liberian Civil War on Guinea



Parrot's Beak

## Impact of Liberian Civil War on Guinea



2002: Light Green Deforestation in Refugee Camps







**Sources of Insecurity** 



Focus of Analysis

Society-Centered



State-Centered

Focus of Analysis

Society-Centered



Violent Conflict

**Sources of Insecurity** 

State-Centered

Focus of Analysis

Society-Centered



Violent Conflict

**Sources of Insecurity** 

### Organizing Insecurities

State-Centered

**Focus of Analysis** 

Society-Centered









Violent Conflict

**Sources of Insecurity** 

Social Disruption

### Organizing Insecurities

State-Centered

Focus of Analysis

Society-Centered



Violent Conflict

**Sources of Insecurity** 

Social Disruption

















Human

**Insecurity** 



Water triggers
human insecurity
through livelihoods
as well as lifestyles

Water & Institutional Failure



Water & War

Water & Civil Violence

Grises of governance can manifest as serious social conflict

Water & Human Insecurity



Water triggers
human insecurity
through livelihoods
as well as lifestyles



Water & War

Water &
Civil Violence
Water remains a
major cause of
(sometimes fatal)



Water & Institutional Failure



Grises of governance can manifest as serious social conflict

Water & Human Insecurity



Water triggers
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Climate & Interstate War



Climate & Institutional Failure

Climate & Civil Violence



Climate & Human Insecurity



Climate & Institutional Failure

Climate & Civil Violence



Climate & Human Insecurity



Climate & Institutional Failure

Climate & Human Insecurity



### Thinking Climate & Security Climate & nteres Climate & Institutional **Failure** War **Climate** Climate & & Civil Human necurity

**Violence** 

Key Proposition:

The necessity of Adaptation arises because of the failure to Mitigate.

The less (someone) mitigates today, the more we will have to adapt tomorrow.

Mitigation usually requires (large) Capital costs (one time); Adaptation usually requires (large) recurring costs.

## Which should be our priority? Both Mitigation and Adaptation are now Development necessities; Both can - and should - be seen as development opportunities.

Both Mitigation and Adaptation need to be contextualized within our own (sustainable) development needs.





First, get closer to the problem!

Depicts 2 million plastic beverage bottles; number used in the US every 5 minutes.

First, get closer to the problem!

Viewed close up, Adaptation is Development





















#### 6 Propositions



What factors will define the future climate for development?







The environment is "where" development takes place. It constrains both the "inputs" and the "outputs" of the development process.



The IPCC in general, and its SRES report in particular, have demonstrated the necessity of looking beyond climate policy alone; especially for the South.

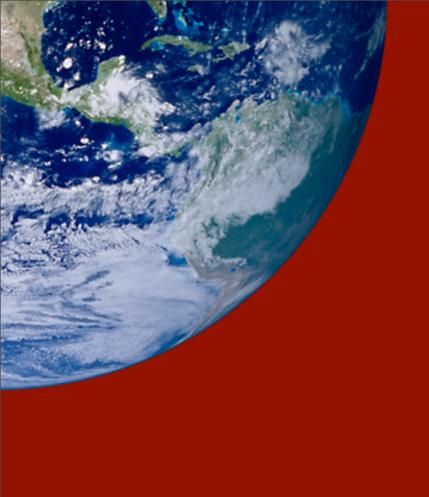


The challenge of climate policy is not one of "minimizing costs" it is one of "allocating" costs and "maximizing" benefits.





Climate policy is already
triggering a massive
"investment shift" (not the
same as "costs")



There is a new energy economy in the making and it will not be stopped.

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Climate is not the only driver of this change. But it will be an increasingly important driver.





The change in the energy economy is demand driven, but the demand will be increasingly climate constrained.





The shifts we are already seeing in the sector are systemic and potentially threatening, but they also offer development gains.







Climate change will hit the poorest first, will hit the poorest most, and will hit the poorest disproportionately.

The poor are the most vulnerable and least reselient to Climate Change..

Climate change will hit the poorest first, will hit the poorest most, and will hit the poorest disproportionately.

Some of the poorest countries and the poorest communities within them are most at threat.

Climate change will hit the poorest first, will hit the poorest most, and will hit the poorest disproportionately.

For many of these poorest communities climate change is no longer a "future" issue.

Climate change will hit the poorest first, will hit the poorest most, and will hit the poorest disproportionately.

Adaptation is where much of this will play out, and adaptation is development.







Internationally, the politics of climate will













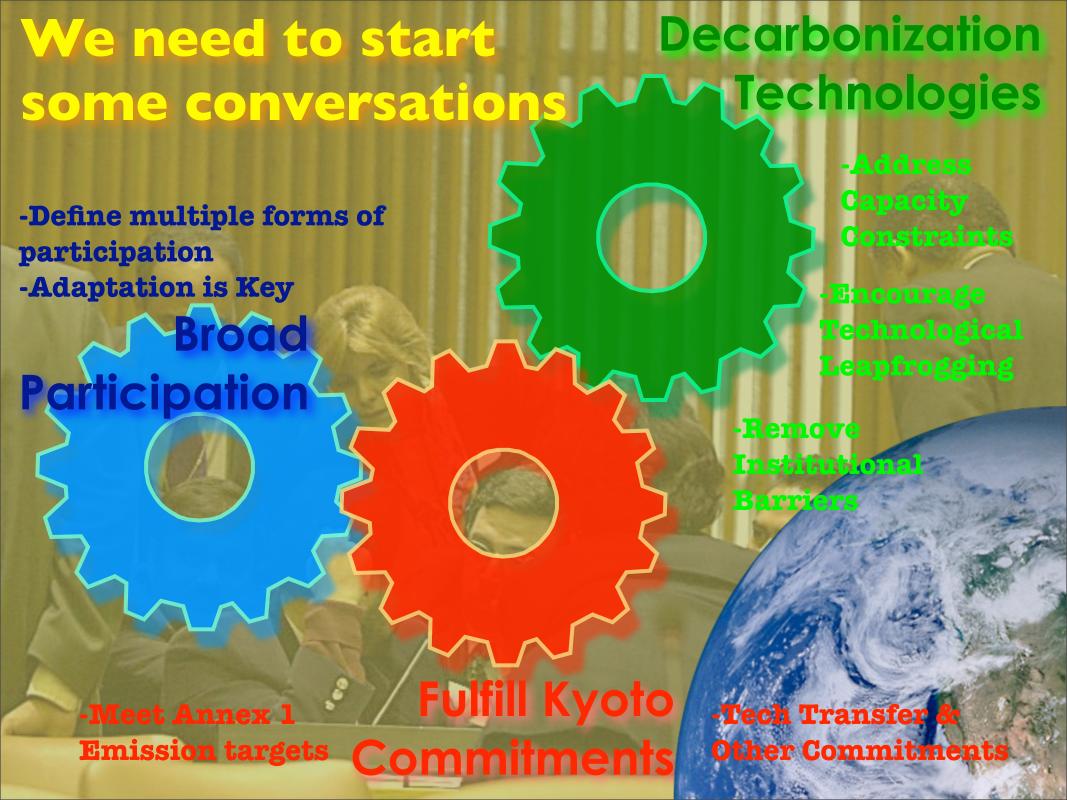






























We will need much better policy coherence.

Environment is too important to be left to environmentalists alone.





We will need much better policy coherence.

Coherence at the domestic level is even more important than internationally.



