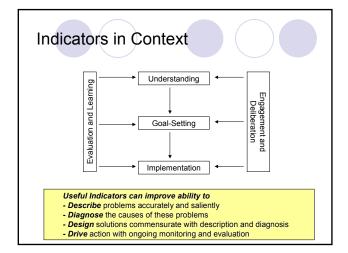
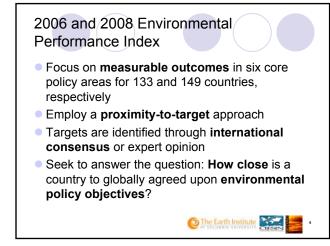




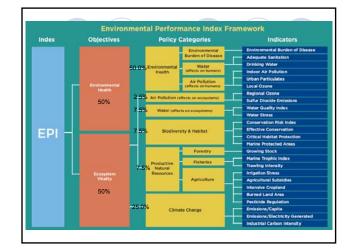
- Utility of indicators
- Novel web mapping technologies
- Decision makers need to act on data that are already available

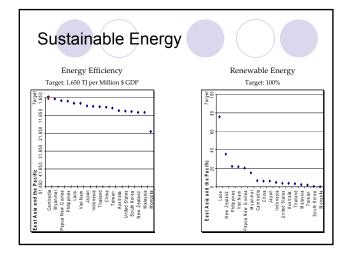
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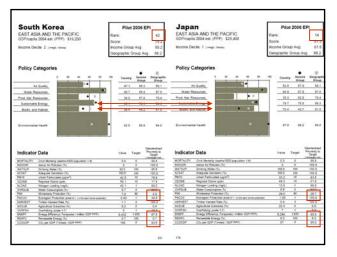


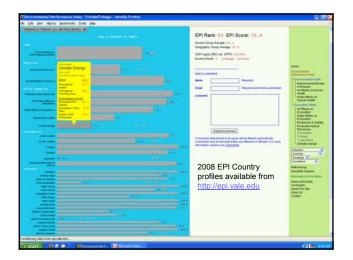


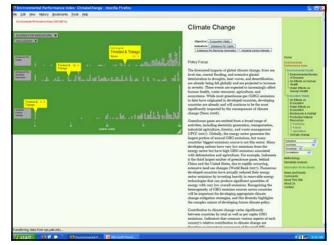
EPI Fran	owork		
EFIFIAI	IEWOIK		
Indicators	Policy Categories	Broad Objectives	Overall Performance
Child Montality		Environmental Health	1
Indoor Air Pollution	- And a state of the state of t		
Drinking Water	Environmental Health		
Adequate Sanitation			
Urban Particulates	-		
Regional Ozone	Air Quality -		
Nitrogen Loading	Water Resources		
Water Consumption	-		Environmental
Wilderness Protection	Biodiversity and Habitat		Performance Index
Ecoregion Protection	biountersity and nations		
Timber Harvest Rate		Ecceystem Vitality	
Agricultural Subsidies	Productive Natural Resources		
Overfishing	Resources		
Energy Efficiency	_		
Renewable Energy	Sustainable Energy -		
CO ¹ Per GDP			

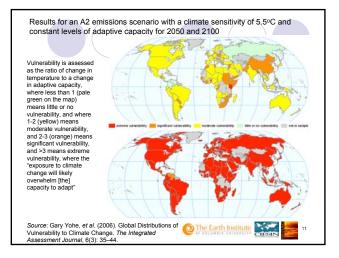


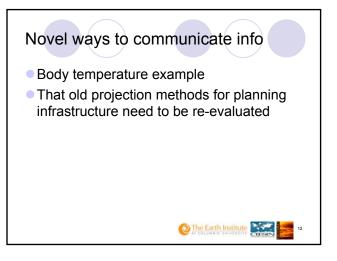




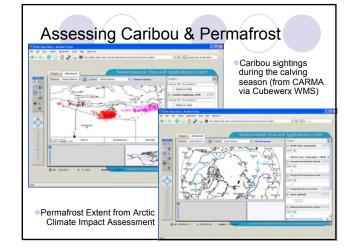






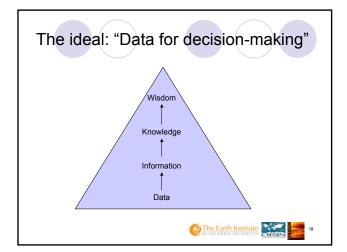


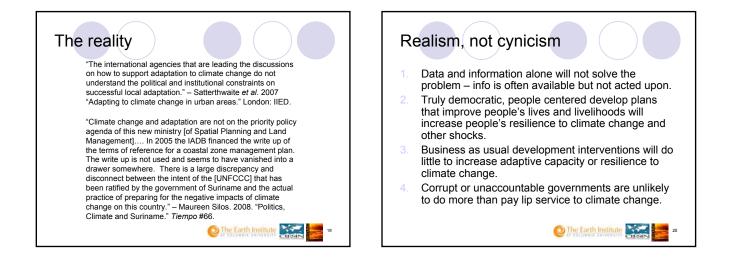












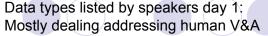
Improving Availability of Information: Gaps and Needs

- There are a plethora of government-collected data that could be exploited
- There are an increasing number of global or regional scale climate, land cover, and other biophysical data sets
- There is a need to *analyze* the existing data
- For this it may be necessary to build policy research capacity
- Information management systems to support adaptation

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Additional Gaps & Needs Could improve vital registration data (births, deaths, marriages) Could improve health statistics Better tracking of migration flows Could "spatialize" more of the existing socioeconomic data for (a) visualization of spatial patterns and (b) analysis Continue poverty mapping IAV community needs to create a framework which can represent their data/info needs to those outside this community



Population dynamics (density, distribution, migration trends, urbanization, ethnicity) Poverty data (or proxies such as housing quality or HH assets) Health status (morbidity) I fire expectancy

- Life expectancy
- Labor force participation rates
- Employment
- Income
- Urban areas

Agriculture •Agricultural lands

Crop type Crop yields Economic return/ha •Market dependency & terms of trade •Dietary preferences and sources for those foods

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Data & information needs for V&A assessment of other systems and sectors

Health -Air and water quality -Land cover/land use -Housing stock/housing standards -Infrastructure: Water supply, sanitation, communications, transport, dams -Hazards: Disaster preparedness, insurance -Communication: Radios, telephones, literacy -Socioeconomic: Income, poverty, livelihodds -Social: Family types, support networks -Behavioral: physical activity, clothing, siesta -Demographic: age structure, gender, ethnicity -Health status; HIV/AIDS, mainutrition, immunity -Health services: availability, accessibility, quality -Disease control

Biodiversity
Protected areas
Species distributions
Ecosystems (wetlands, mangroves, drylands, etc.)

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<u>Fisheries</u> •Fishing fleet size •Fish breeding areas •Coral reefs, sea grasses

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Water resources •River flows •Precipitation •Cround water (and sustainable use thereof) •Water holding capacity •Irrigated areas •Dermand for domestic, industry, and agriculture (DIA) •Ecosystem service provision

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	AMACC buts, Methods and - G Projects: Sectors, Systems, and Groups			
NCO		Louiser	Groups	
	4 Econoterra Agriculture Water Resources	Food Security, Doubsersity	Dubsishince Ferners, Tourism Workers	
2 AF0	7 Regional climate scenarios	Carrula	Climate Information Services	
3 AF1	4 Agrouture	Food Security	Suburdance Farmers, Rural Poor, Women	
4 157	0 Regional climate scenanos	Climate	Climate Information Services	
5 452	3 Agriculture	Food Security	flabsisherica Farmera, Ruzal Poor	
4 AF3	8 Agriculture, Forestry, Water Resources	Food Security Land Use Disedens	Subsistence Farmers, Rural Poor	
7 AF-8	2 Agriculture, Ecosystems, Water Resources	Food Security	Subsistence Farmers, Rural Poor	
8 AF4	7 Apiculus	Regional Economy	Rural and Urban Poor	
9 AF9	Agriculture, Weter Resources	Food Security, Land Liter	Subsistence Farmers, Commercial Farmers, Resource Managers	
10,459	1 Heath	Malaria and Cholena	Rural and Ultian Poor	
11 AF9	2 Agriculture, Water Resources	Food Security, Pastoral Systems, Sustainable Livelihoods	Rural Poor, Subsistence Farmers, Subsistence Fishermen	
12 AS0	6 Agriculture, Ecosystems	Food Security, Pastoral Systems, Human-Settlements	Eubsistence Farmers, Rural Poor	
13 ASI	7 Water Resources	Osaders	Resource Managers	
14 AS1	2 Agriculture	Food Security, Land Une	Commonical Farmers	
15 A50	1 Forestry, Water Resources, Agriculture, Intrastructure	Land Use, Biodiversity, Human Settlements	Suberstence Farmers, Commercial Farmers, Resource Managers, Rural Poor	
16 A52	5 Agriculture, Water Resources, Inhastructure, Tourism	Food Security, Land Use, Regional Economy	Subsistence Farmers, Women, Resource Manage	
17 LAD	6 Water Resources, Agriculture, Yoursen	Disaders	Resource Managere	
18 LA2	6 Sea Level Rise and Coasts	Câmale	Clenate Information Services	
19 LA2	7. Agriculture, Water Resources	Food Security, Pestoral Systems	Commercial Farmers	
20 LA2	9 Agriculture, Water Resources	Food Security, Sustainable Livelihoods	Subsistence Fairners	
31 LA3	2 Sea Level Rise and Coasts, Econystems, Water Resources, Heath	Diadownsky, Regional Economy	Subsistence Fishermen	
22 0856	20. Heath, Tourton:	Dengue Fever, Regional Economy	Rutel and Urban Poor	
23 5856	9 Sea Lavel Rise and Crasts, Agriculture, Water Resources	Food Security, Human Settlements, Regional Economy	Rural and Urban Poor	
24 (585)	6 Sea Level Rise and Coasts, Tourism, Ecosystems, Water Resources, Infrastructure	Regional Economy	Tourtont Wurkers	

