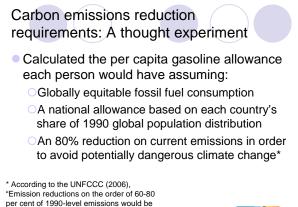


Center for International Earth Science Information Network (CIESIN)

- Unit of The Earth Institute focusing on data development, management, distribution, and human dimensions research
- Runs the NASA-funded Socioeconomic Data and Applications Center (SEDAC)
- Under SEDAC:
 - OIPCC Data Distribution Center for SE data
 - AIACC Data Methods and Synthesis Activity
 - Provide global spatial data on population, urban areas, poverty, "human footprint"
 - Provide national level sustainability indicators and estimates of pop and land area by climate class

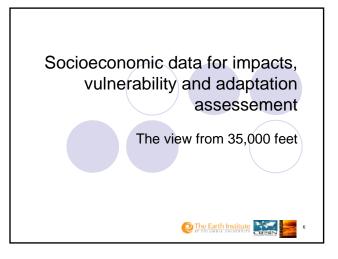


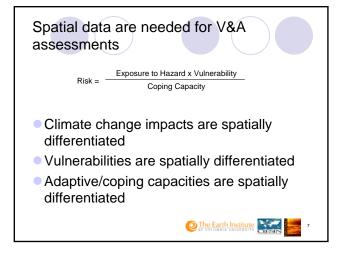


"Emission reductions on the order of 60-80 per cent of 1990-level emissions would be necessary to stabilize concentrations of carbon dioxide in the atmosphere."

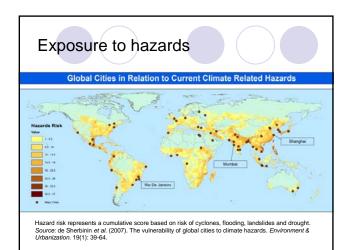


	Country	Proportion of World Pop, 1990	Population, 2004 (1000s)	Carbon Emisisions, 2904 (1000 Tons)	Carbon Allowance (1000 Tons)	Total Carbon Emissions, 2004, as a % of Allowance	Actual Carbon Emissions Per Capita, 2004 (Tons)	Allowed Carbon Emissions Per Capita, 2004 (Tons)	Actual Gallons of Gasoline per Person Consumed, 2004	Allowed Annual Gallons of Gasoline per Person, 2004
1	China	0.21494	1,285,389	1,366,554	343,904	397,36	1.06	0.27	439.13	110.51
2	India	0.16090	1,067,124	366,301	257,432	142.29	0.34	0.24	139.18	97.81
3	USA	0.04840	295,410	1,650,020	77,446	2,130,54	5.59	0.26	2,307.10	
4	Indonesia	0.03436	220,077	103,170	54,981	187.65	0.47	0.25	193.63	103.15
5	Brazil	0.02830	183,913	90,499	45,277	199.88	0.49	0.25	203.25	101.65
6	Pakistan	0.02116	154,794	34,277	33.853	101.25	0.22	0.22	91.46	90.33
7	Russian Fed.	0.02810	143,899	415,951	44,967	925.03	2.69	0.31	1,193.95	 129.07
8	Bangladesh	0.01971	139,215	10,137	31,533	32.15	0.07	0.23	30.08	93.56
9	Nigeria	0.01715	128,709	31,101	27,445	113.32	0.24	0.21	99.81	88.08
10	Japan	0.02340	127,923	343,117	37,441	916.43	2.68	0.29	1,107.88	 120.85
11	Mexico	0.01597	105,699	119,473	25,548	467.65	1.13	0.24	466.88	99.83
12	Viet Nam	0.01254	83,123	26,911	20,065	134.12	0.32	0.24	133.72	99.71
13	Germany	0.01505	82.645	220,596	24,074	916.33	2.67	0.29	1.102.51	+ 120.33
14	Philippines	0.01157	81,617	21,960	18,519	118.58	0.27	0.23	111.14	93.73
15	Ethiopia	0.00967	75,600	2,177	15,469	14.07	0.03	0.20	11.89 -	➡ 84.52
16	Egypt	0.01055	72,642	43,160	16,873	255.79	0.59	0.23	245.41	95.94
17	Turkey	0.01085	72,220	61,677	17,366	355.16	0.85	0.24	352.75	99.32
18	Iran	0.01074	68.803	118.259	17,176	688.51	1.72	0.25	709.96	103.11
19	Thailand	0.01035	63,694	73,121	16,559	441.57	1.15	0.26	474.19	107.35
20	France	0.01075	60,257	101,927	17,195	592.78	1.69	0.29	698.69	117.87
21	United Kingdom	0.01075	59,479	160,179	17,203	931.13	2.69	0.29	1,112.35	119.40
22	italy	0.01074	58.033	122,726	17,190	713.94	2.11	0.30	873.51	122.35
23	DR Congo	0.00715	55,853	574	11,445	5.02	0.01	0.20	4.24	
24	Myanmar	0.00772	50,004	2,662	12,351	21.55	0.05	0.25	21.99	102.02
25	Republic of Korea	0.00812	47.645	127.007	12,992	.977.55	2.67	0.27	1,101.08	112.64

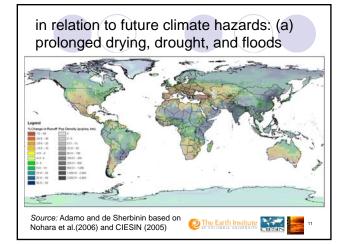


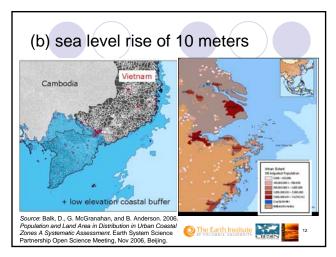


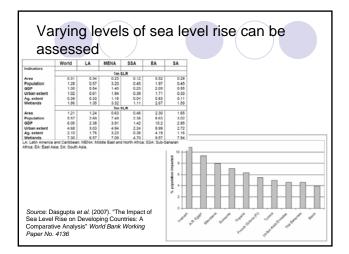


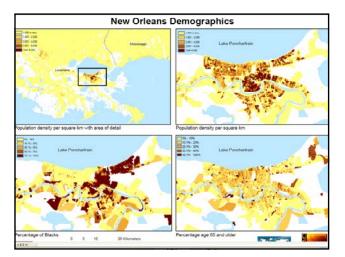


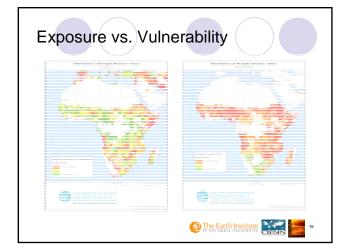


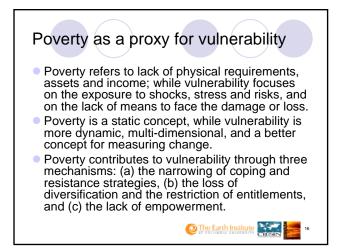


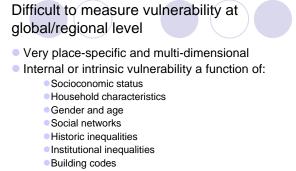






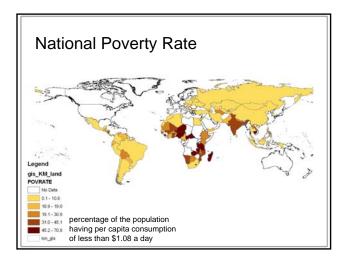


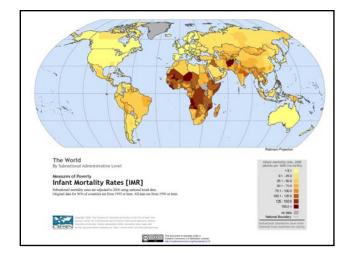


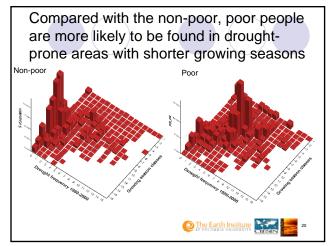


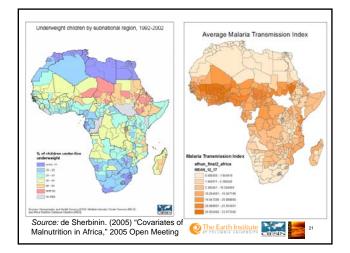
National or local preparedness (e.g. early warning systems)

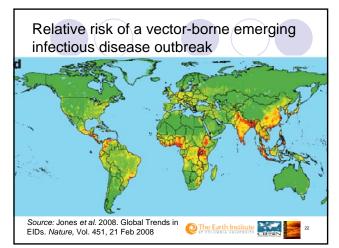
OThe Earth Institute

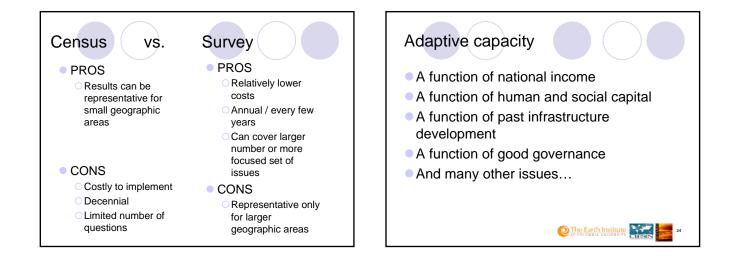


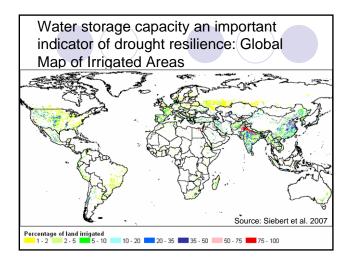


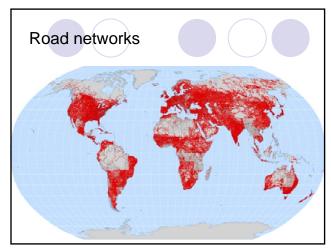












Spatial data on adaptive/coping capacities exist for the following

- Gridded income data (Nordhaus, Sutton)
- Water holding capacity of dams (UNH WSAG)
- Governance indicators at the national level (World Bank, Transparency Int'l, POLITY proj.)
- Conflict areas (PRIO, CIESIN)
- Refugee camps (UNHCR)
- Health infrastructure (WHO)
- Age structure (CIESIN forthcoming)

OThe Earth Institute

Other groups doing V&A assessment and data development at global/regional level

- World Resources Institute (WRI)
- Stockholm Environment Institute (SEI)
- Netherlands Environmental Assessment Agency (MNP)
- Potsdam Institute for Climate Impact Research (PIK)
- Center for Sustainability and the Global Environment (SAGE), U. of Wisconsin



