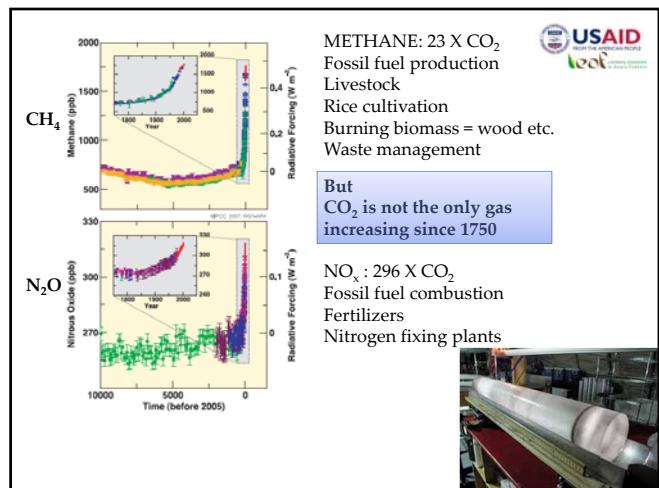
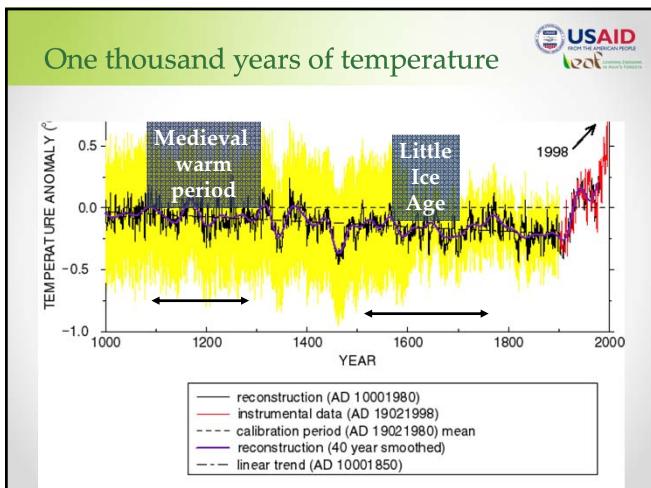
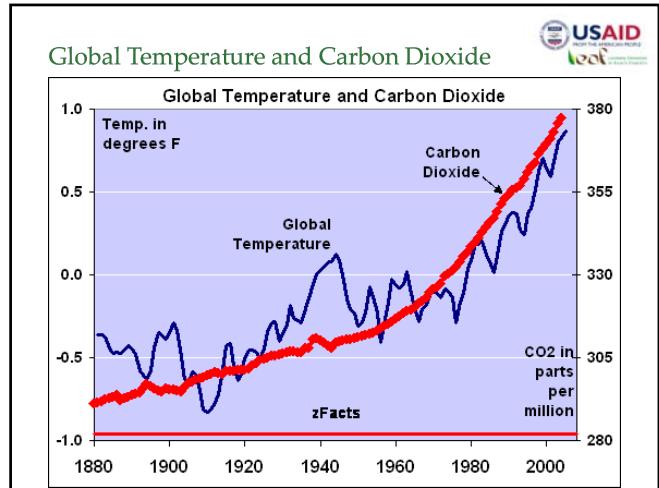
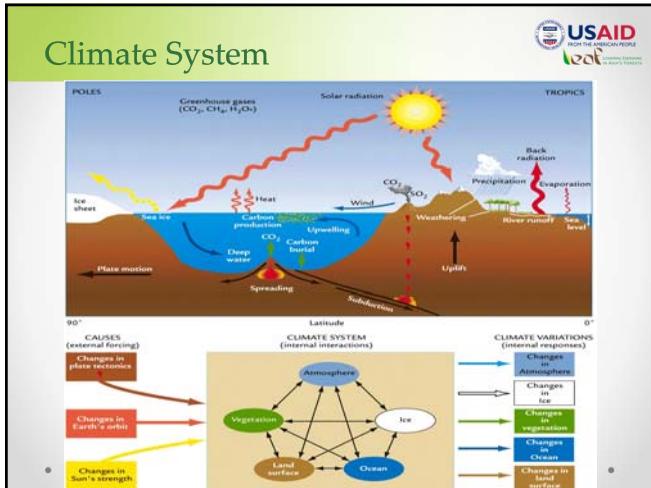
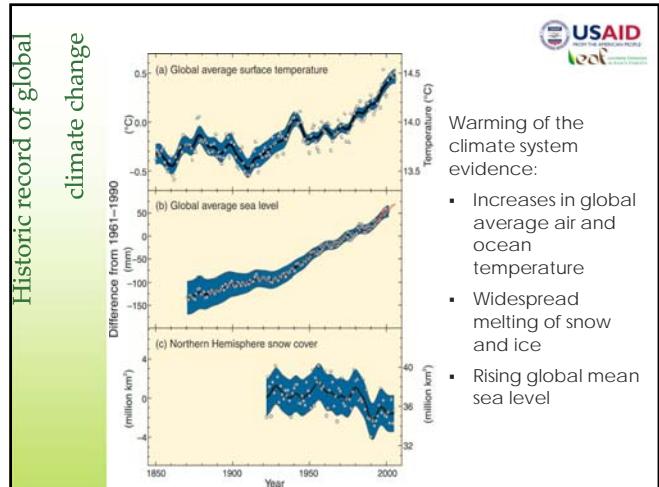


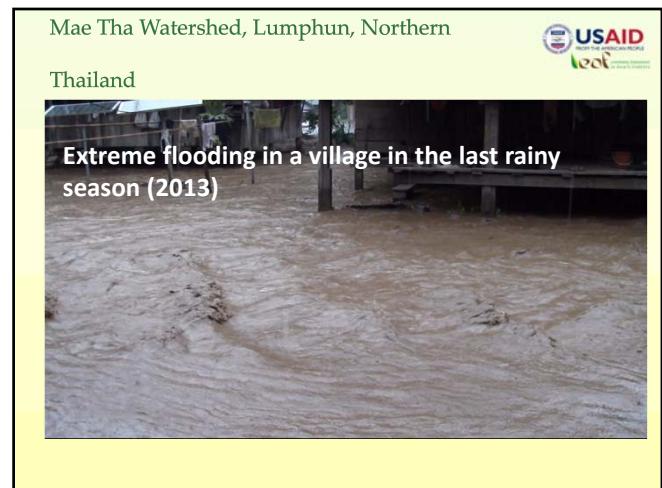
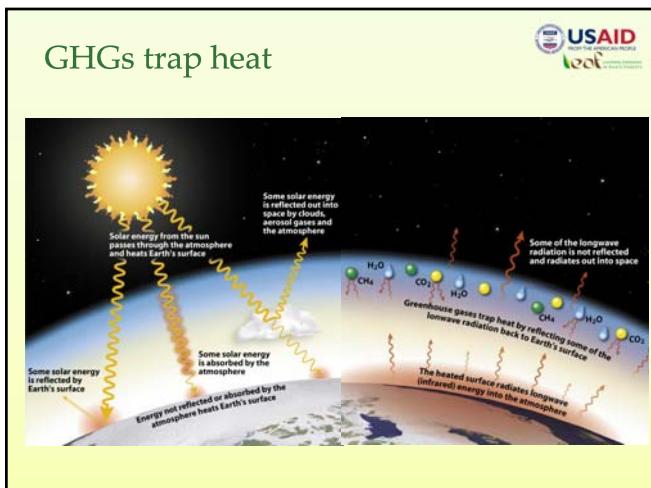
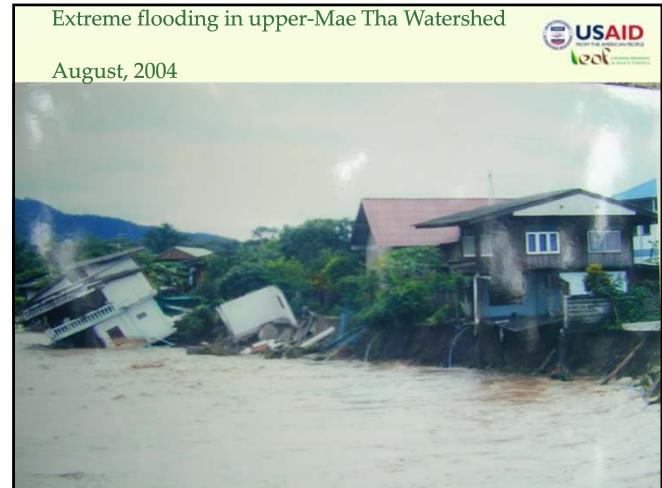
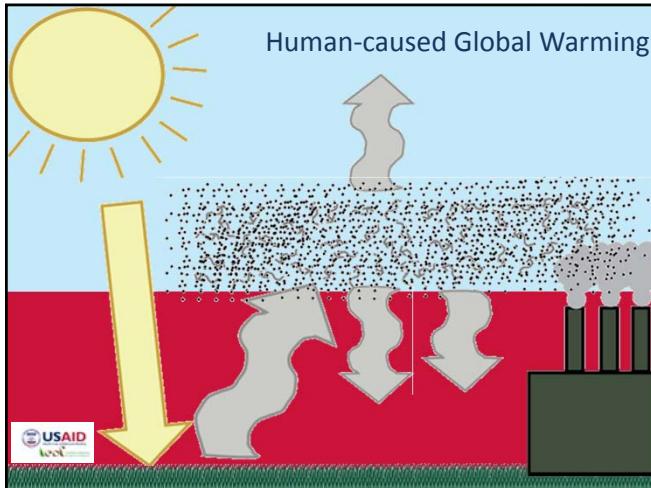
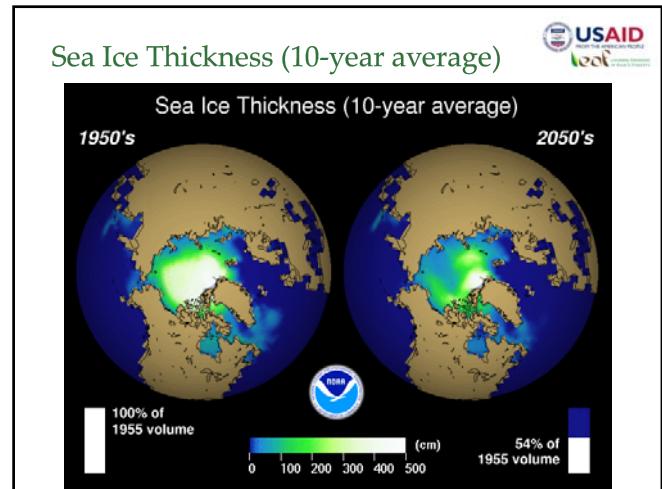
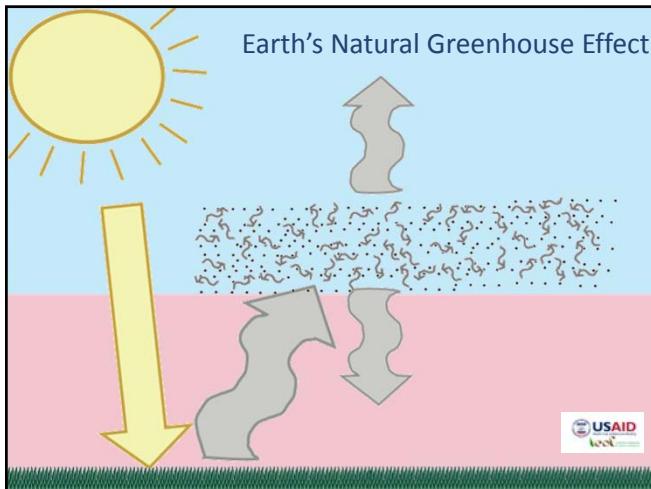
 

การประชุมสัมมนา เรื่อง “การจัดทำบัญชีกําชเรือนกระจก สำหรับเข้าหน้าที่กรรมปศุสัตว์”

สภาระโลกร้อนและสถานการณ์การปล่อย กําชเรือนกระจก

ภาคร้า เพชรธรรมกิจ
ภาควิชาเทคโนโลยีและการจัดการสิ่งแวดล้อม คณะสิ่งแวดล้อม
มหาวิทยาลัยเกษตรศาสตร์
17-19 กุมภาพันธ์ 2559
ณ โรงแรมเพลินจิต ริเวอร์แคว วีล็อฟท์ กาญจนบุรี



Climate Intensification; Flooding
in upper Mae Tha watershed August,2014



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Extreme flooding at Bangkok in October 2011



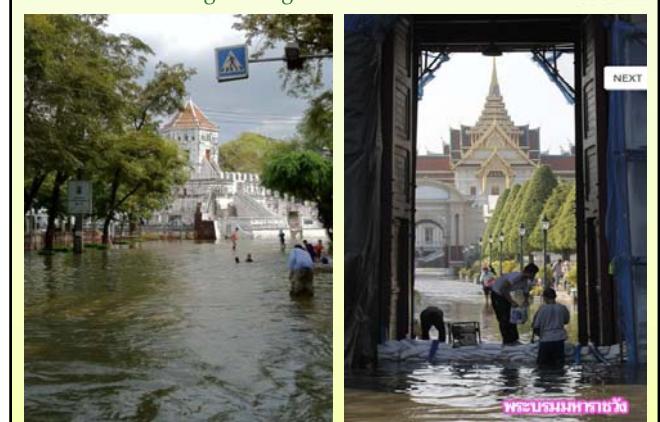
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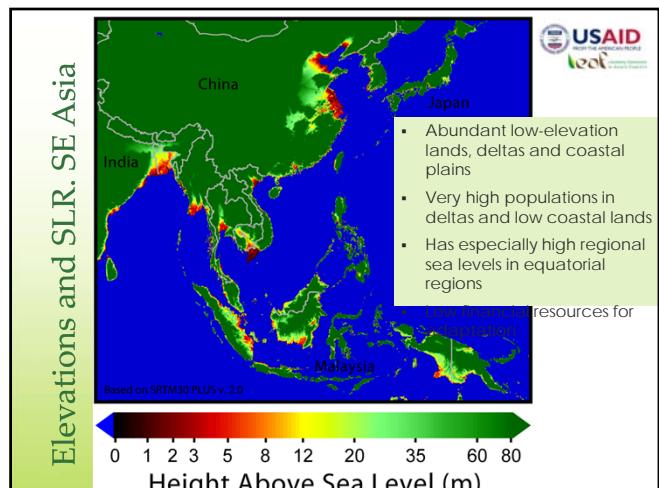
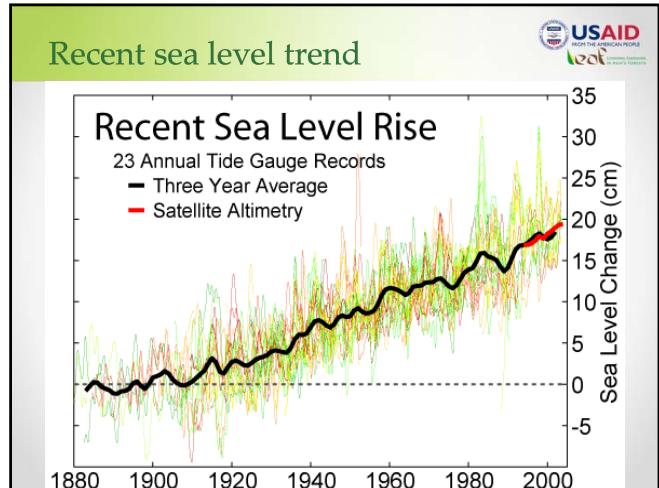
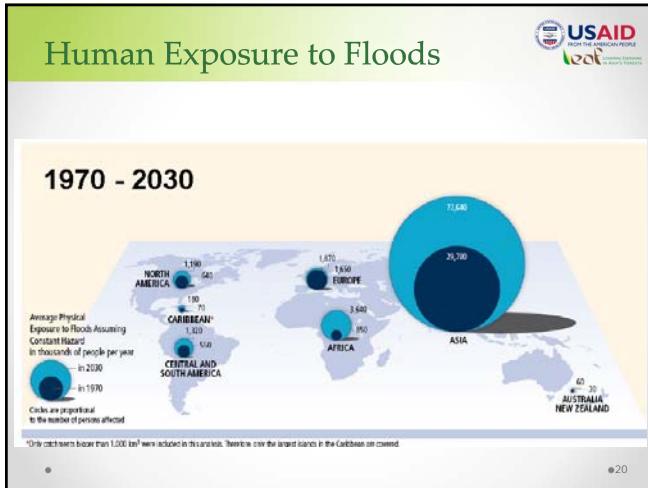
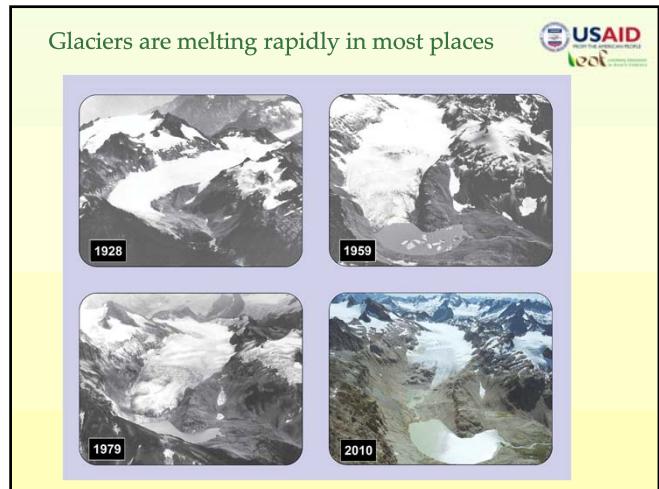
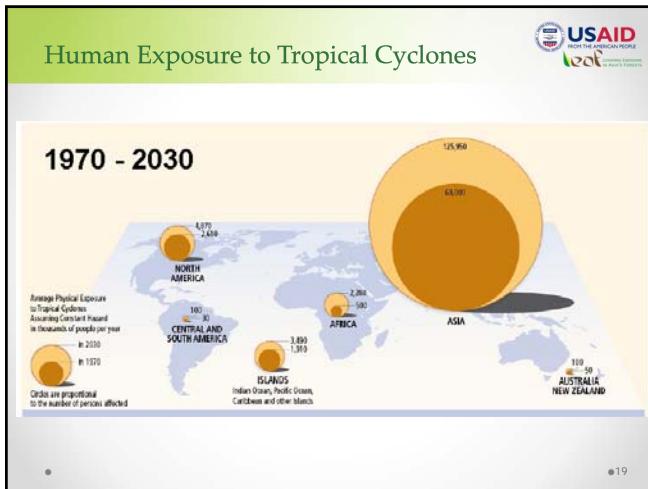


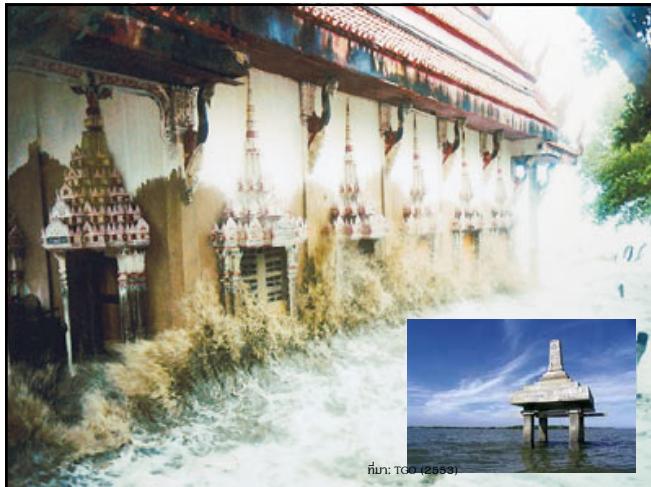
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Extreme flooding at Bangkok in October 2011



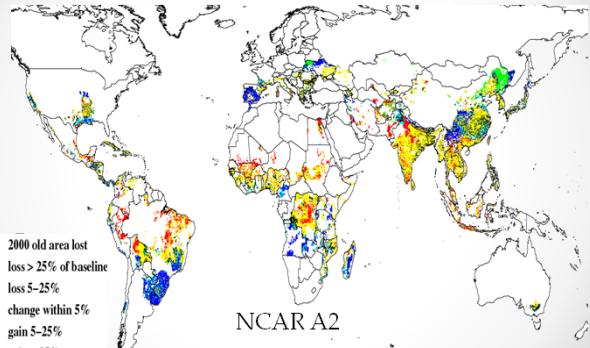
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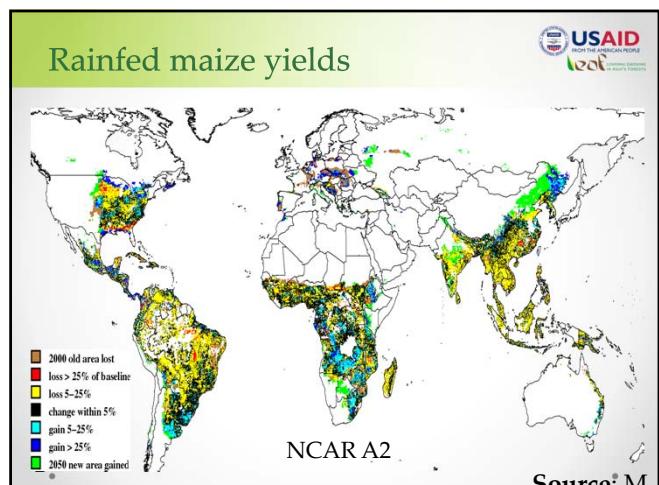
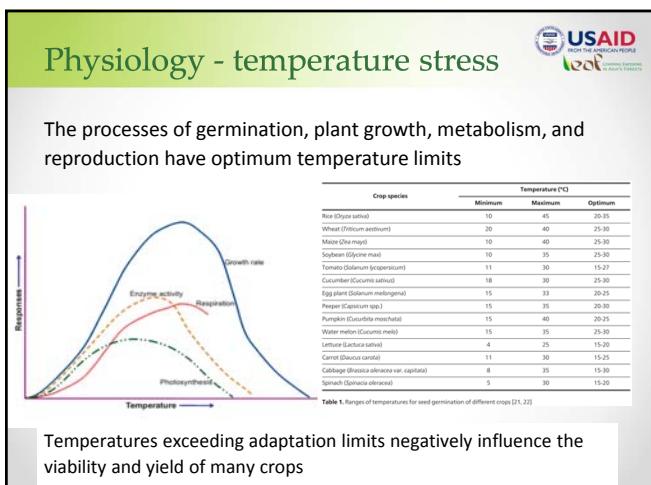
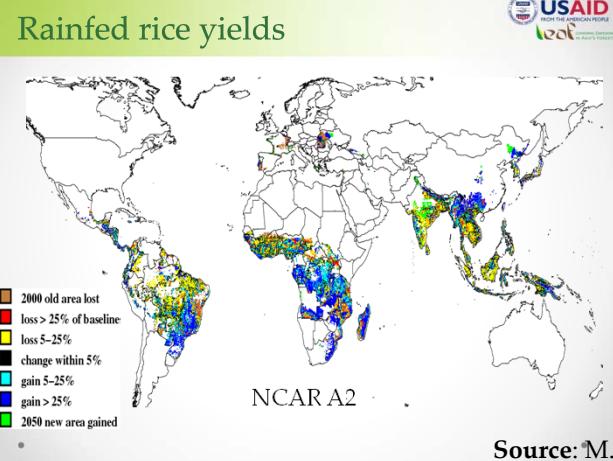
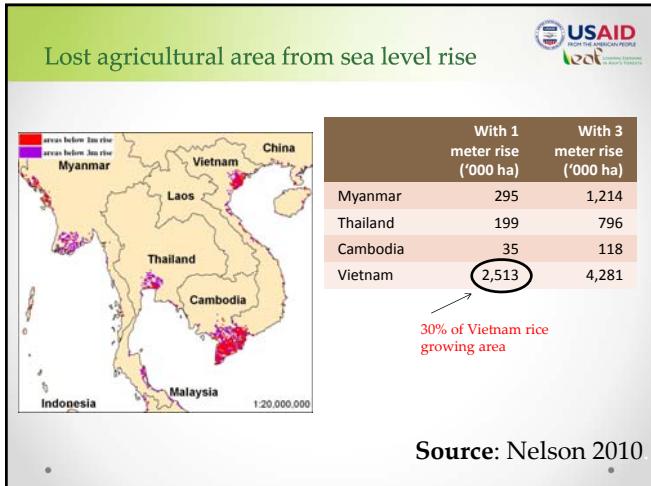


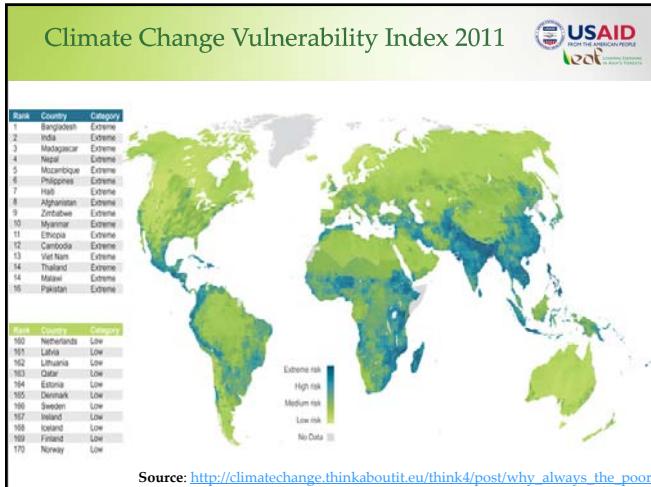
Irrigated rice yields

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leaf
Climate Change in Asia's Forests



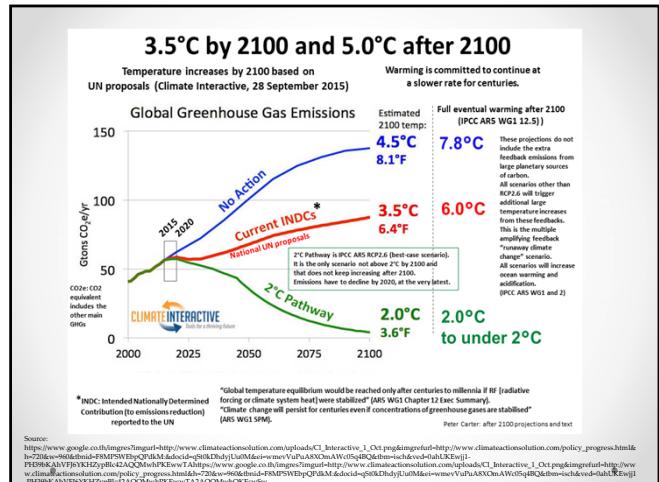
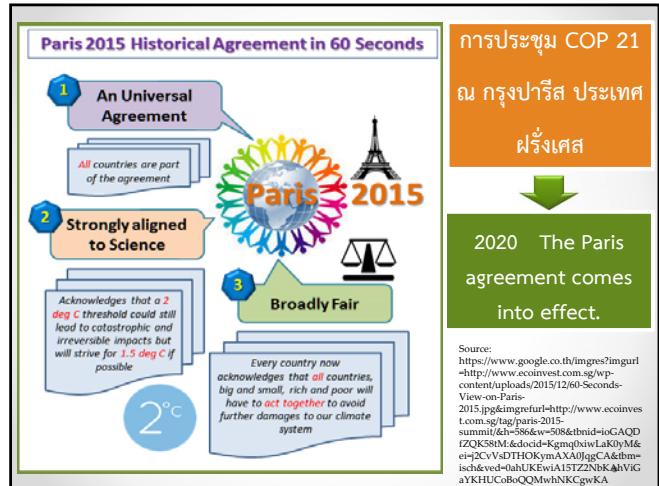
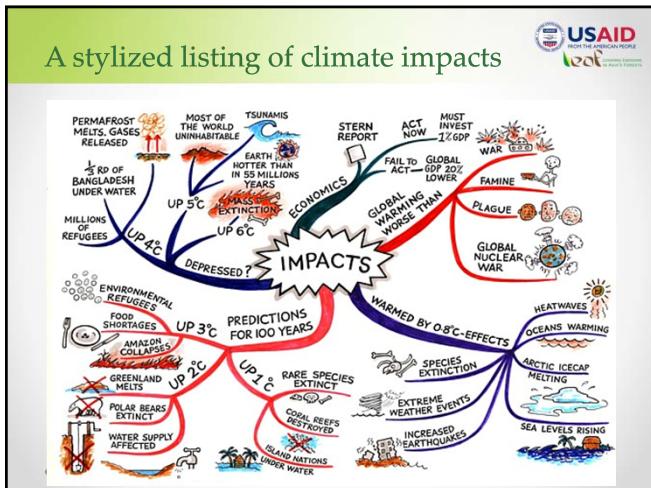
Source: M. Rosegrant

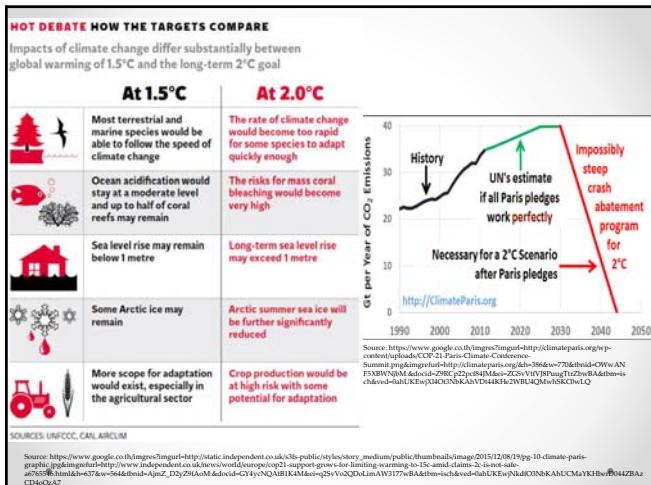




National Communication (NC) เสนอต่อ UNFCCC

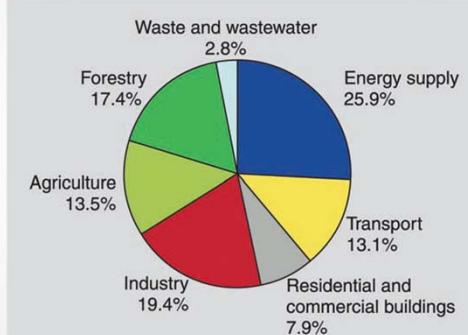
- บัญชีกําชเรือนกระจแห่งชาติ (National GHG Inventory)
- แผนการลดกําชเรือนกระจ (Mitigation)
- แผนการปรับตัวต่อการเปลี่ยนแปลงสภาพภูมิอากาศ (Adaptation)
- จัดทำ NC ทุก 4 ปี
- จัดทำ BUR (Biennial Update Reports) ทุก 2 ปี



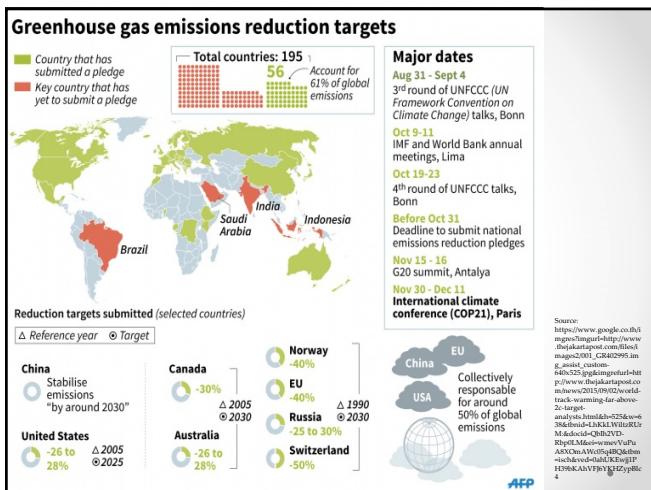


Global emissions by sector

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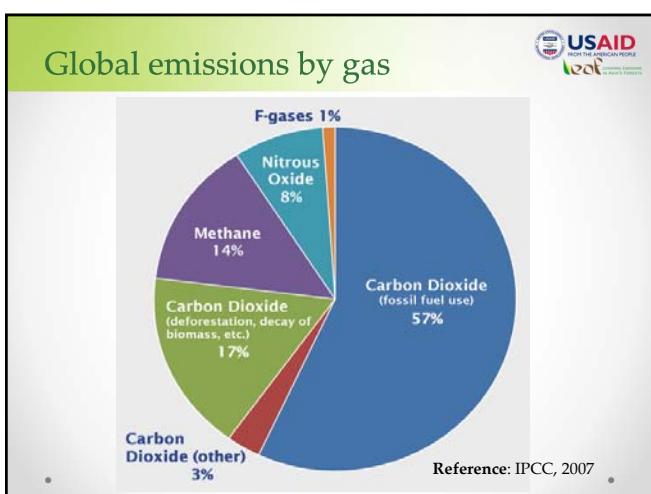
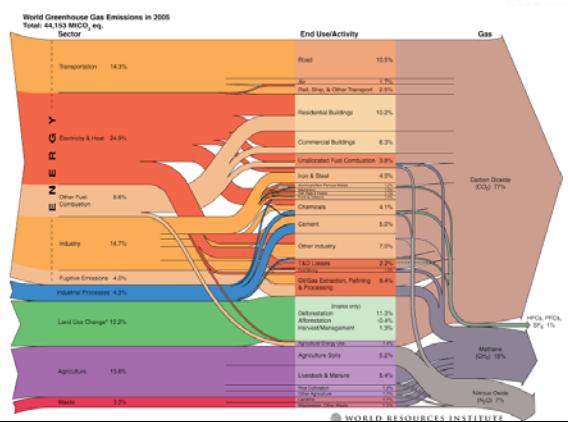


Reference: IPCC, 2007



Sectors and GHGs - Global 2005

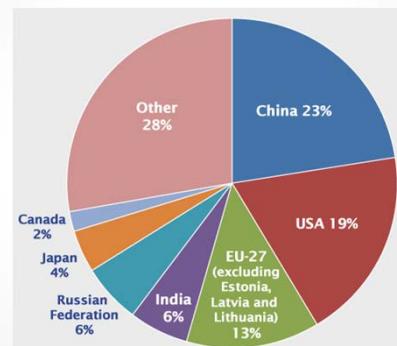
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2008 Global CO₂ emissions from fossil fuel combustion

and some industrial processes

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Source: [National CO₂ Emissions from Fossil-Fuel Burning, Cement Manufacture, and Gas Flaring: 1751-2008](http://www.eia.doe.gov/emeu/countries/2008/)

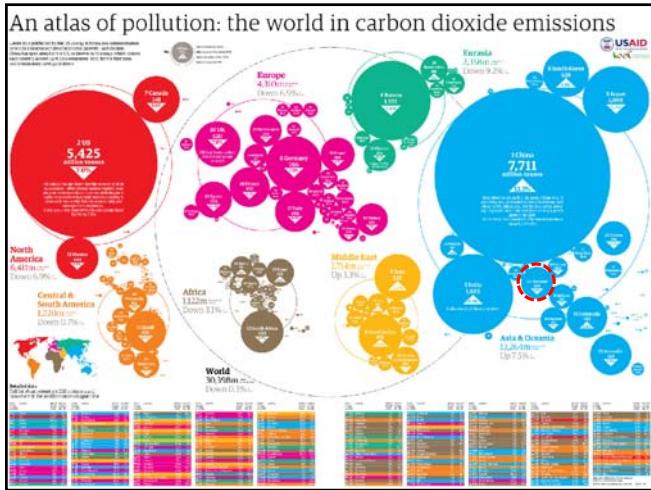
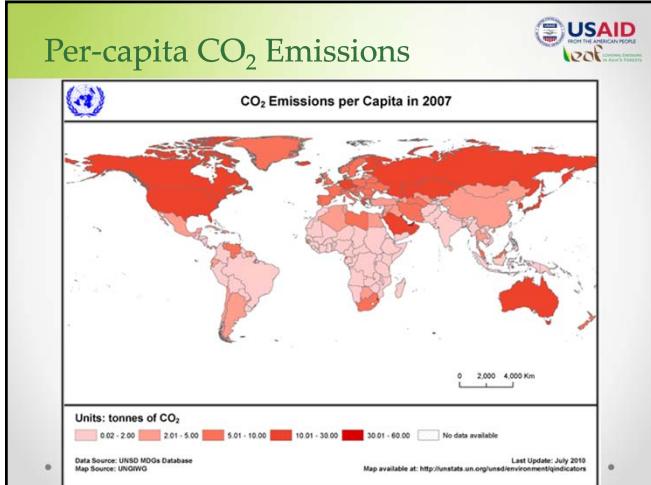


Table 1. GHG Emissions of the World, ASEAN Countries and the Philippines, MtCO ₂ , 1990-2010									
Country	1990	1995	2000	2005	2008	2009	2010	Average	Average Global Shares (%)
World Total	38,258	39,028	40,234	47,269	48,748	49,329	50,101	44,710	100.00
Top Country Emitters									
China	3,870	5,013	5,073	7,853	10,060	10,608	11,182	7,666	17.15
USA	6,115	6,342	6,983	7,082	6,923	6,515	6,715	6,668	14.91
Russia	3,582	2,937	2,477	2,265	2,481	2,271	2,111	6.07	6.07
India	1,376	1,637	1,873	2,128	2,434	2,584	2,692	2,103	6.70
Indonesia	1,161	1,312	1,445	2,884	2,015	2,620	1,946	1,912	4.28
Southeast Asian Countries									
Myanmar	875	943	562	511	340	344	362	562	1.26
Thailand	208	282	283	349	360	362	413	322	0.72
Malaysia	196	252	254	336	334	356	330	294	0.66
Viet Nam	99	121	156	225	258	283	306	207	0.46
Philippines	96	125	140	146	153	154	159	139	0.31
Cambodia	20	21	22	61	172	138	192	89	0.20
Singapore	33	45	48	48	50	47	50	46	0.10
Brunei	18	21	17	23	19	20	20	20	0.04

Source: European Commission JRC/PBL, EDGAR.



Rank	Country	Overall CRI Score	Death Toll		Death per 100,000 Inhabitants		Losses in Million US\$		Losses per GDP (in %)	
			Average	Rank	Average	Rank	Average	Rank	Average	Rank
			1	Honduras	10.83	329.25	14	4.96	2	679.92
2	Myanmar	11	7,137.25	1	13.79	1	640.58	29	1.41	17
3	Nicaragua	18.5	160	22	2.82	4	223.12	49	1.89	16
4	Bangladesh	20.83	824.4	7	0.58	31	1,721.08	14	1.18	21
5	Haiti	21.17	301.1	15	3.43	3	148.68	60	1.08	23
6	Vietnam	23.67	433.15	13	0.55	34	1,741.95	13	1.06	24
7	Korea, DPR	26	76.65	35	0.33	55	3,188.58	5	7.64	3
8	Pakistan	30.5	545.9	10	0.38	47	2,183.10	9	0.73	35
9	Thailand	31.17	160.4	71	0.26	63	5,413.27	4	1.38	18
10	Dominican Republic	31.33	211.6	19	2.47	5	185.25	53	0.35	53
11	Guatemala	32.33	82.65	34	0.72	23	318.76	38	0.62	38
12	Mongolia	32.83	12.85	74	0.52	36	315.74	39	4.11	6
13	Tajikistan	34.5	31.3	63	0.48	39	283.87	42	2.29	12
14	Philippines	35.17	576.2	9	0.72	23	655.78	28	0.28	64

Source: Global Climate Risk Index 2013, Germanwatch.

Source: <http://www.senate.gov/ publications/AAC%202013-03%20GHG%20emission.pdf>

