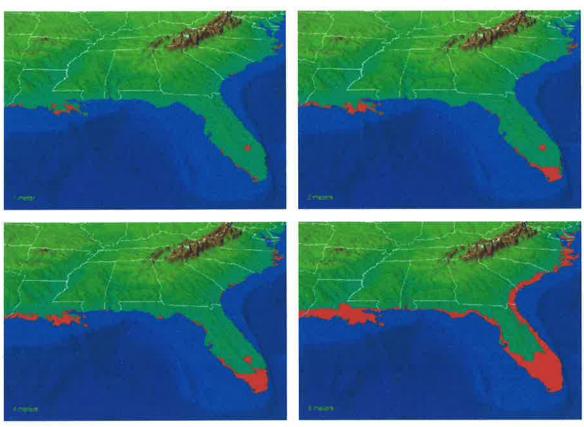
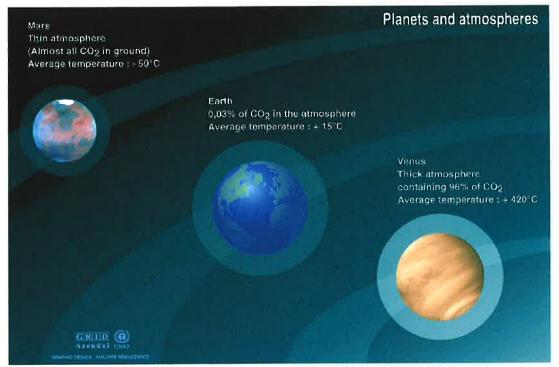
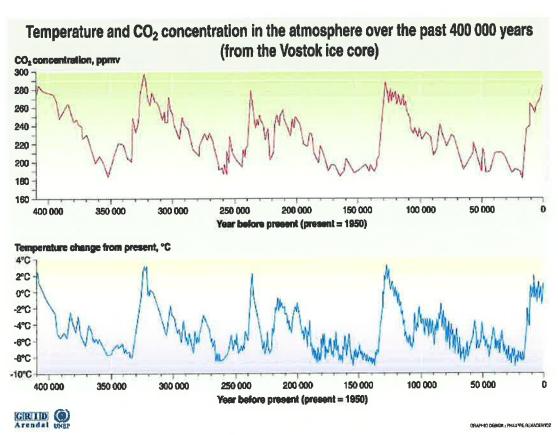
Mus & Van 5. # 64084/
Sea Level Rise 3/1/05





Sources: Cabrin J. Hestitos, Visua of the solar system, www.planetecapes.com; fill Armett , The nice planete, a multimedia tour of the solar system, www.seda.cog/bille/imphineplanete.html



Source: J.P., Petti, J. Jouzel, et al. Climate and almospheric history of the past 420 000 years from the Vestek ico core in Antarctice, Nature 399 (3JUne), pp 429-436, 1999

Potential climate changes impact according to IPCC 92 scenarios



Precipitation

Impacts on...

Health

Weather-related mortality infectious diseases Air-quality respiratory illinesses

Agriculture



Crop yields Irrigation demands

Forest



Forest composition Geographic range of forest Forest health and productivity

Water resources



Water supply Water quality Competition for water

coestal areas



Erosion of beaches inundation of coastal lands

additional costs to protect coastal communities

Species and natural areas



Loss of habitat and species

Disease	Vector	Population at risk (million) ¹	Number of people currently infected or new cases per year	Present distribution	Likelihood of altered distribution
Malaria	Mosquito	2,400 ²	300-500 million	Tropics and Subtropics	
Schistosomiasis	Water snail	600	200 million	Tropics and Subtropics	U 📦
Lymphatic Filanasis	Mosquito	1 094 ⁹	117 million	Tropics and Subtropics	
African Trypanosomiasis (Sleaping sickness)	Tselse fly	55 ⁴	250 000 to 500 000 cases per year	Tropical Africa	*
Dracunculiasis (Guinsa worm)	Crustacean (Copepod)	1005	100 000 per year	South Asia, Arabian Peninsula, Central-West Africa	8
Leishmaniasis	Phlebotomine sand fly	350	12 million infected, 500 000 new cases per year ^a	Asia, Southern Europe Africa, Americas	
Onchocerciasis (River blindness)	Black fly	123	17.5 million	Africa, Latin America	-
American Trypanosomiasis (Chagas disease)	Triatomine bug	100 ⁷	18 million	Central and South America	
Dengue	Mosquito	1,800	10-30 million per year	All Tropical countries	1
Yellow Fever	Mosquito	450	more than 5 000 cases per year	Tropical South America Africa	•











1. Top three entries are population-provated projections, based on 1989 estimates.

2. WHO, 1994.

3. Michael and Bundy, 1995.

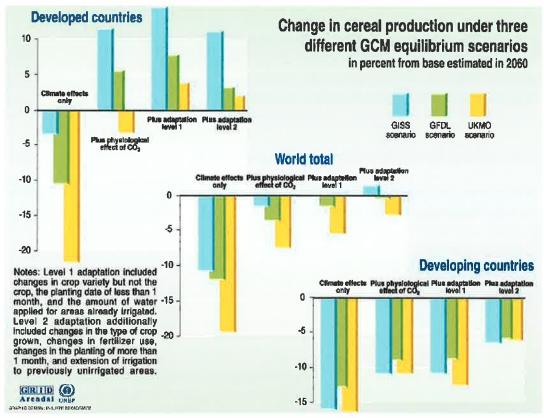
4. WHO, 1994.

5. Ranque, personal communication.

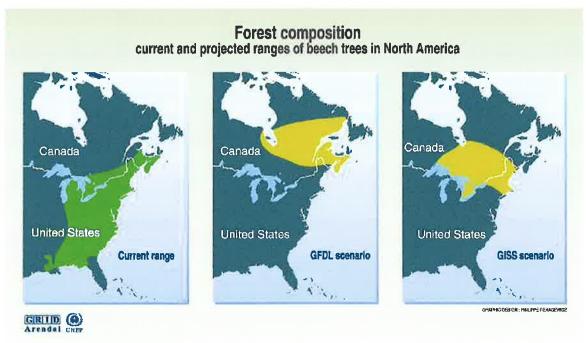
6. Annual incidence of cutaneous leishmaniasis is 1-1.6 million cases/yr (PAHO, 1994).

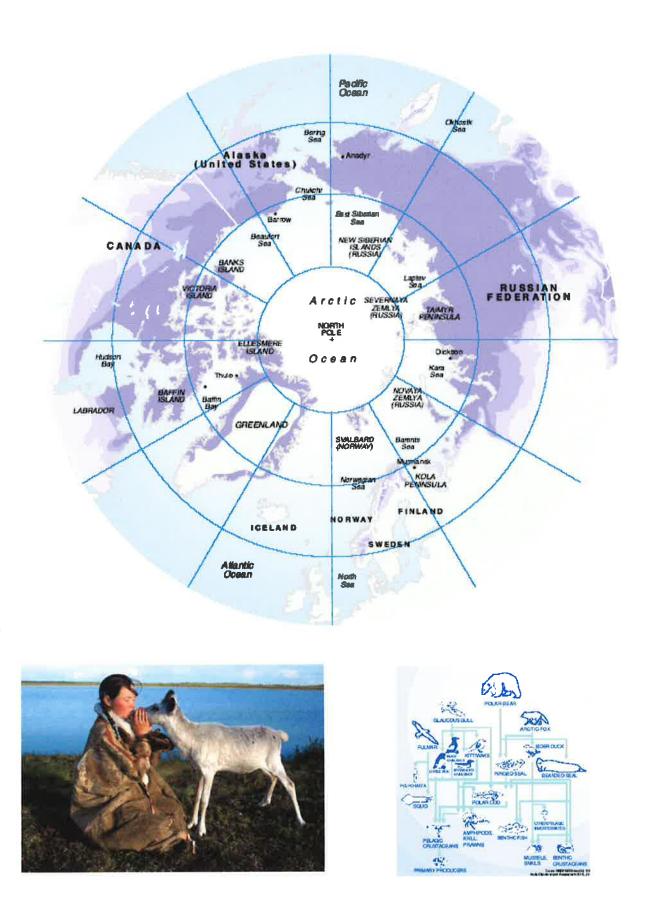
7. WHO, 1995.

Source: Climate change 1995, Impacts, adaptations and mitigation of disease change, UNEP and WMO, Cambridge press university, 1996. to change; scientific-technical analyses, committution of working group 2 to the second assessment report of the intergovernmental panel

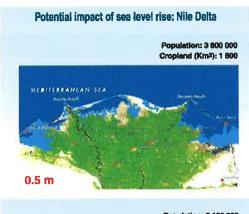


Source: Climate change 1955, Impacts, adeptations and miligetion of climate change: according technical analyses, contribution of working group 2 to the second assessment report of the intergovernmental panel on climate change, UNEP and WMO, Cambridge press university, 1998.





People and global heritage on our last wild shores





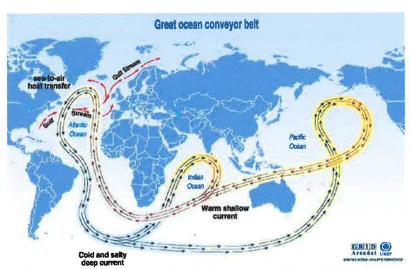
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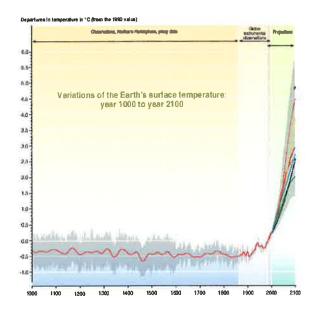


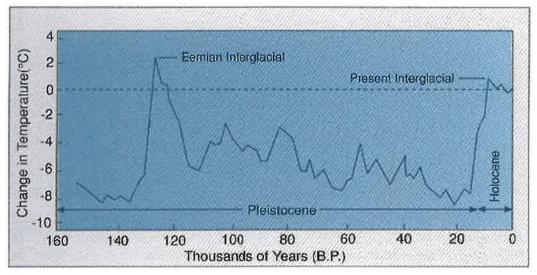


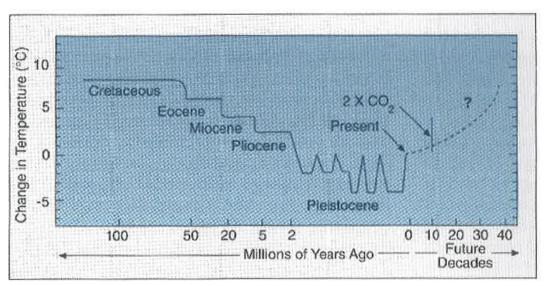
Chicago Dacca Paris



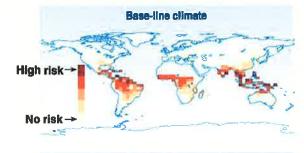
Source Brancher, 1991, in Climate charge 1996, impacts, adoptations and militarities of clarate charges scientific herbeital analysis, combination of working group it to the second assument report of the



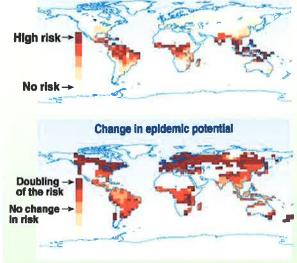




Malaria Plasmodium vivax

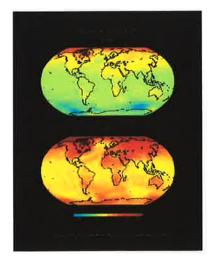


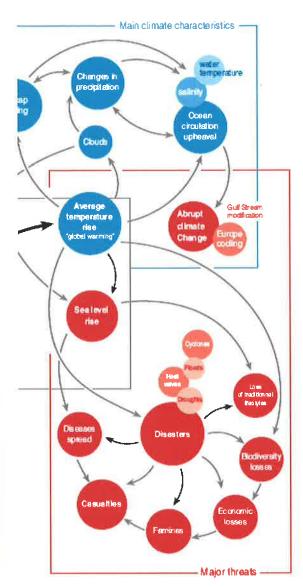
Climate change scenario

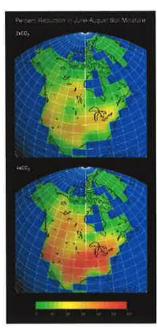


Potential malaria risk areas for base-line climate conditions (1831-1980) and for a global mean temperature increase of 1.16°C (based on the climate patterns generated by the ECHAM1-A GCM) and changes in average annual "epidemic potential" (EP), a measure of vectorial capacity, relative to base-line climate, for P. vivax.

Source: Martens, P. et al. (1995). Potential impacts of climate change on malaria risk. Environme Health Perspectives, 103(5), 458-484.







For the record.

I am not against coal, I'm against the incidental emissions of coal.

The trains that bring coal to Gainesville, go back empty. If we were really smart, we would put our waste wood into them, and have the miners store it underground.

Then we would get carbon credits & create value on the return trip.

10 years from now, every Fortune 500 will have a Chief Climate Officer, or CCO.

Renewable energy is the new it, more money will be made in one decade in this sector than in 2 decades in the IT sector.

China will have more renewables that the US in less than 5 years.

The entire financial construct of plan A was between carbon, less carbon and rented carbon. This akin to a business plan that presumes all servers will either use Microsoft, less Microsoft, or rented Microsoft, while glossing over the fact that a 21 year old dude named Linus created the most popular server software in his attic, now with global market share of 37%, in less than 3 years.

As a shareholder in a utility, I am surprised that the fact that legislation is before congress today that makes the CO2 emissions of plan A legally impossible did not even get one bullet out of the 18 months, hundreds of staff hours and 23.8MB of submitted information.

If this legislation passes after we build the plant, we'd have to abandon it.

From a business perspective, I'd say we have a problem if a half billion \$ decision fails to even articulate both the market fundamentals and regulatory barriers.

I suspect some bias in the current management that may be financially unhealthy for both ratepayers and anticipated transfer.

I think we will have a new Manager of Utilities within a year, not because this one is not a nice guy, but this one simply doesn't recognize the changing landscape.

We will have 10,000 electric generators in our grid by 2020.

We have more pressing issues than debating the technical merits of a modern coal plant. For example, how do position ourselves so that we continue to money in a decarbonizing economy?

