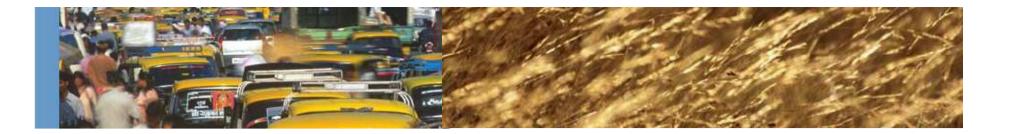


Securing Human Well-being in a Resource Constrained World

Dr. Mathis Wackernagel Global Footprint Network "Beyond GDP" – November 6, 2009





Summary

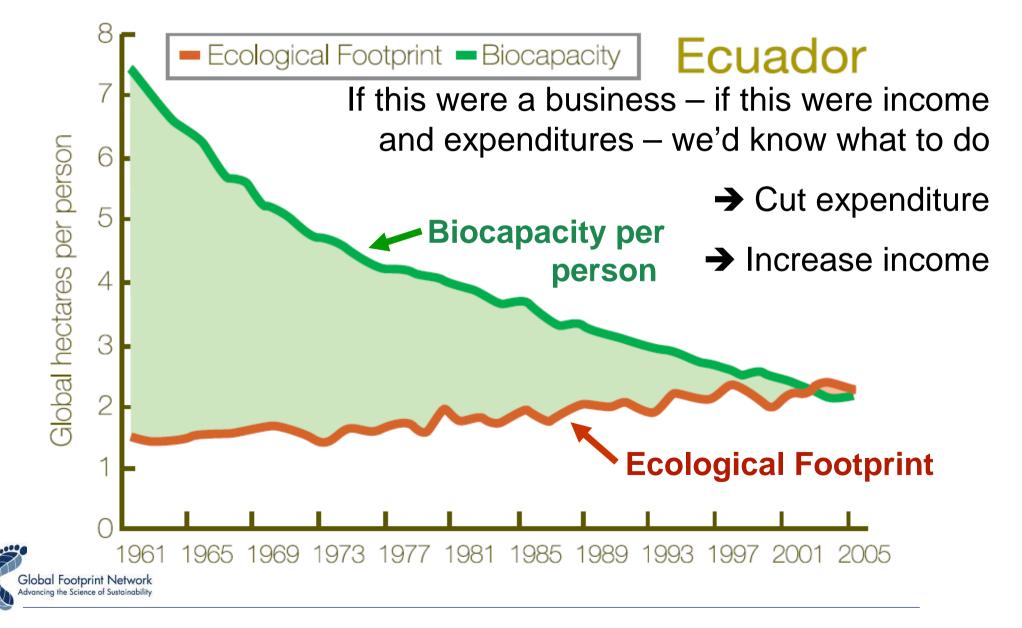
With upcoming resource constraints, a country that does not know *how much biocapacity it has*, and *how much it uses* will not be able to operate effectively

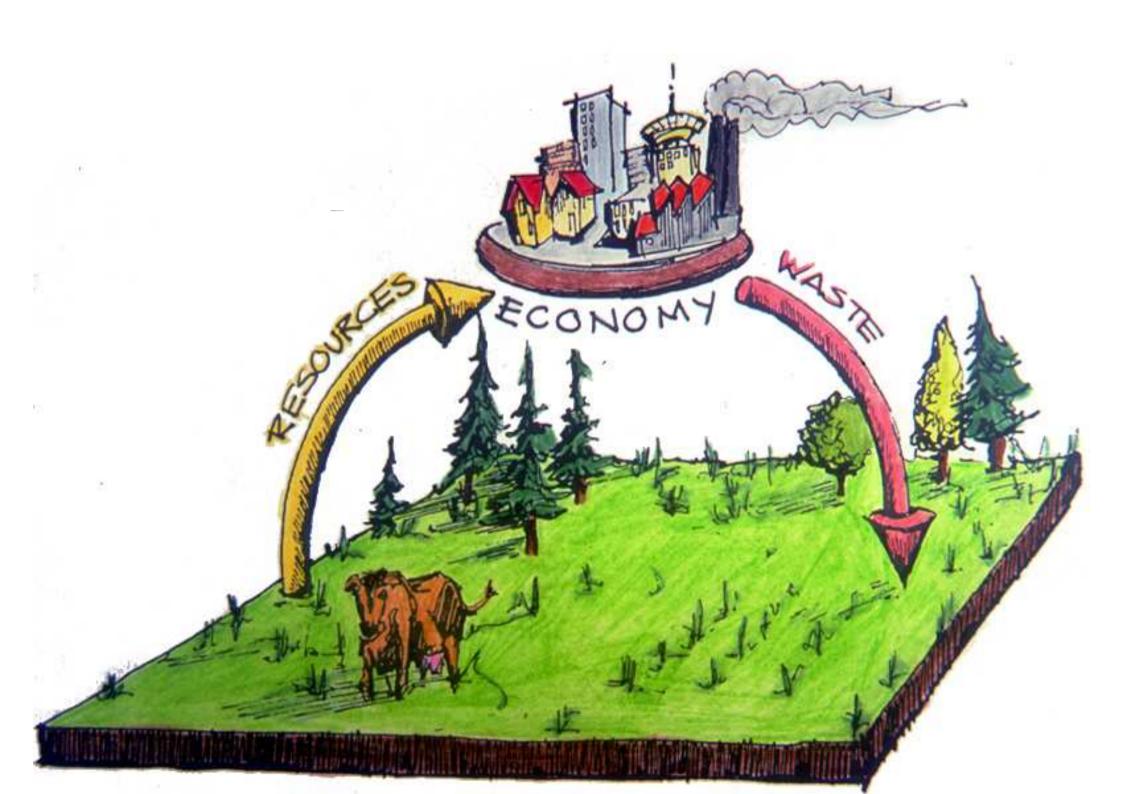
If you don't have this capacity, you need a tool like the Footprint

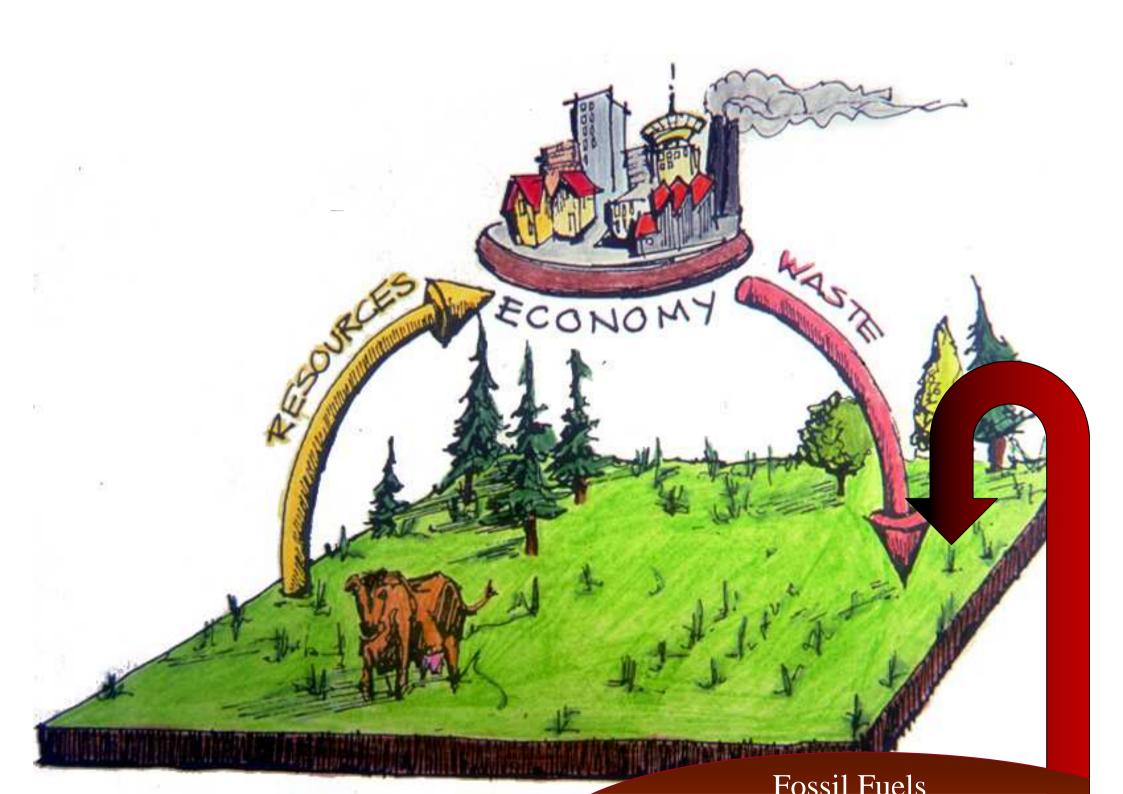
We seek collaborations with Hungary and its agencies to establish Footprint sideby-side with GDP



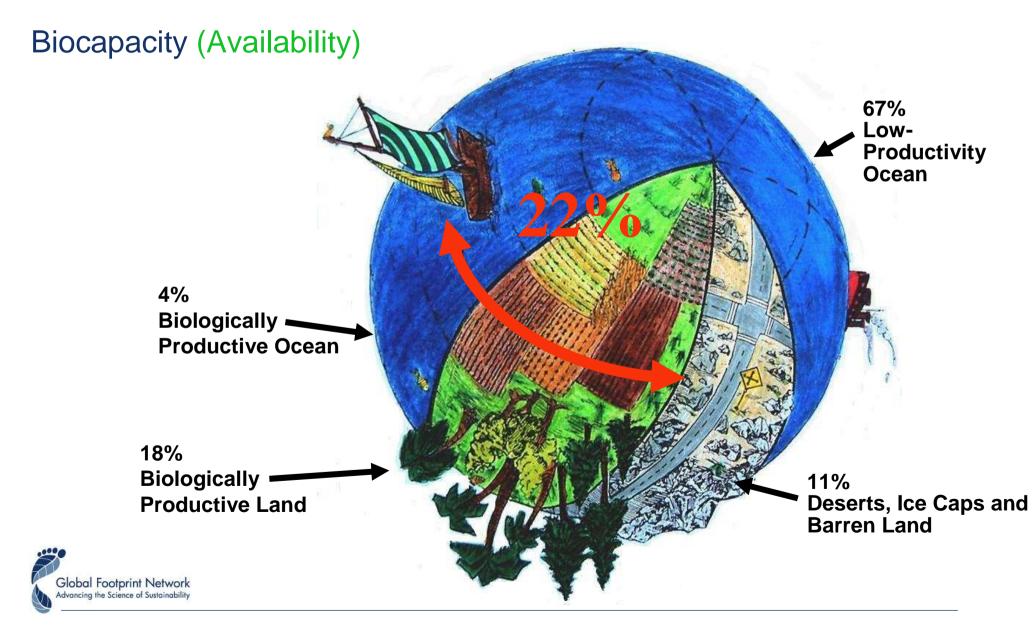






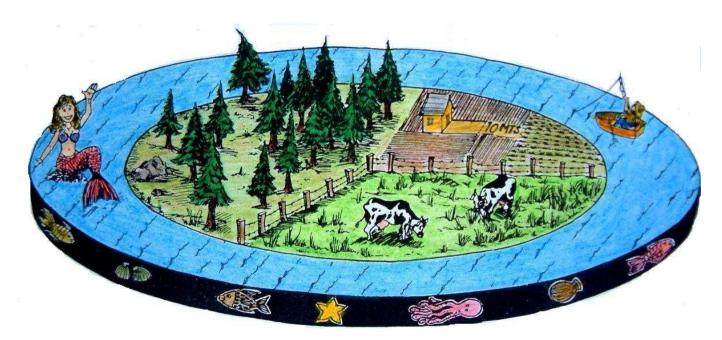








Biocapacity available per person (Availability)

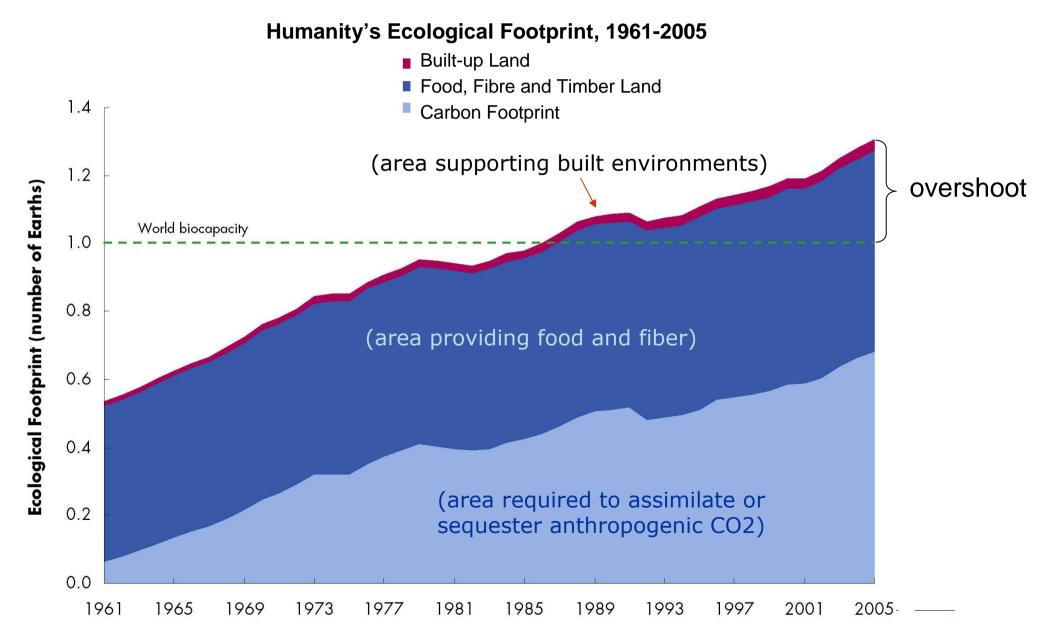


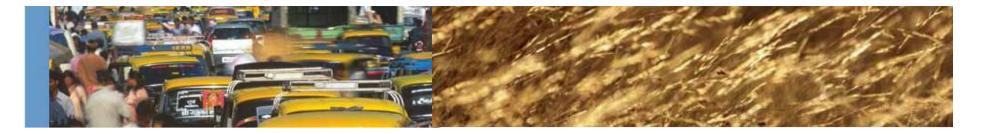
Global average availability of bioproductive Land + Sea = 2.1 global hectares/person (*in 2005*)



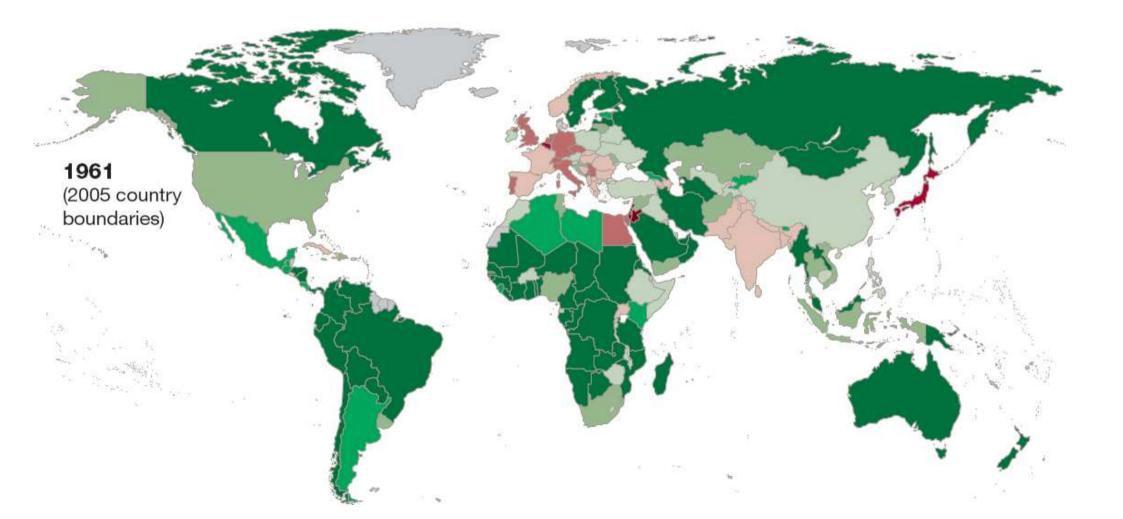


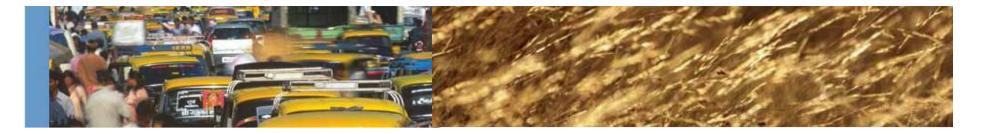




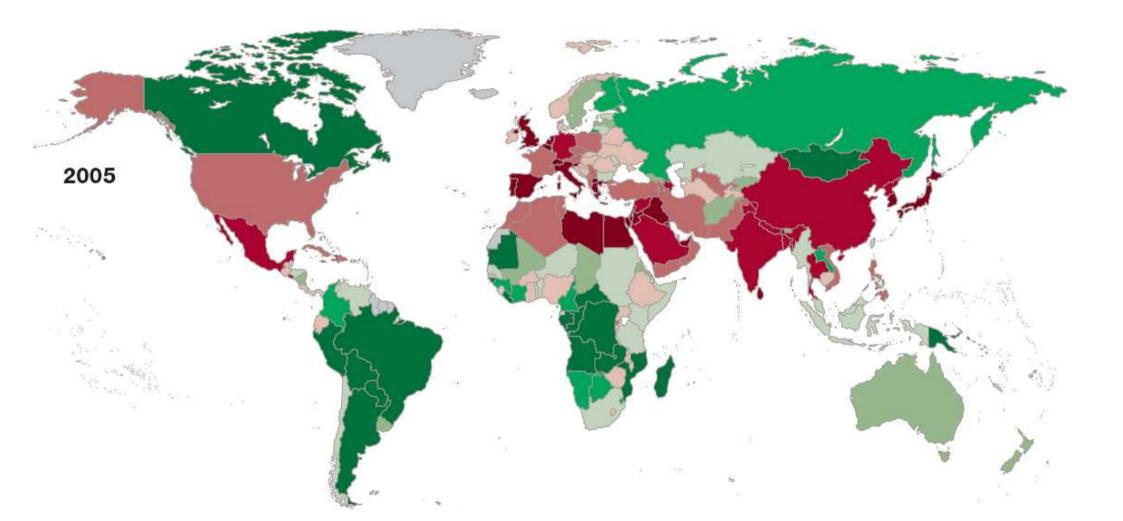


Ecological Creditors and Ecological Debtors





Ecological Creditors and Ecological Debtors



CALCULATION METHODOLOGY FOR THE NATIONAL FOOTPRINT ACCOUNTS, 2008 EDITON Version 1.0

TORER 2008

www.footprintnetwork.org/atlas

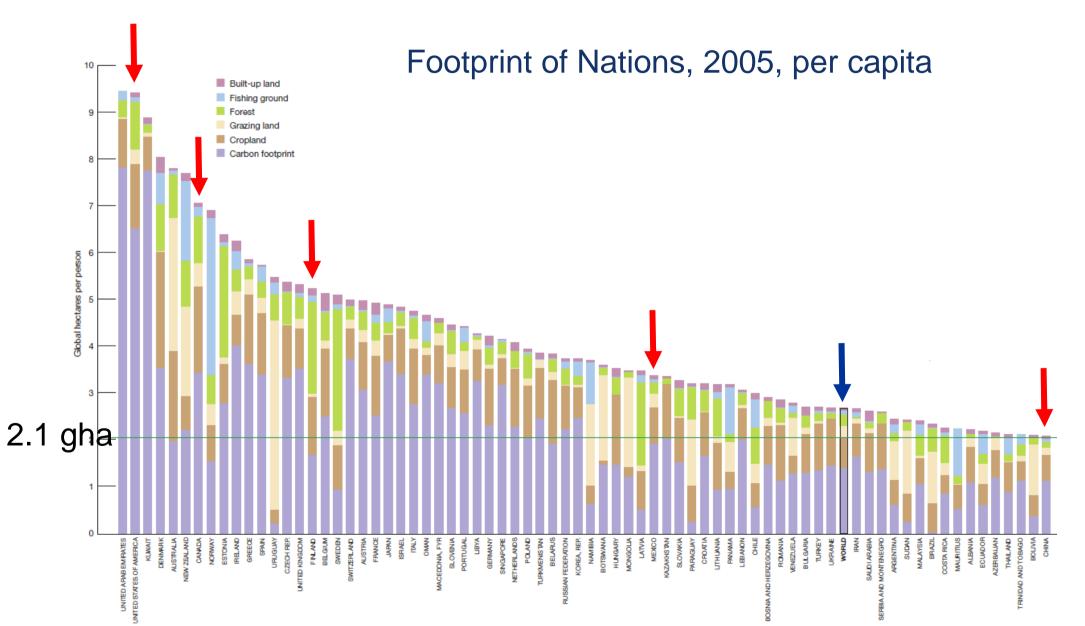
Global Footprint Netwo

THE ECOLOGICAL FOOTPRINT ATLAS 2008

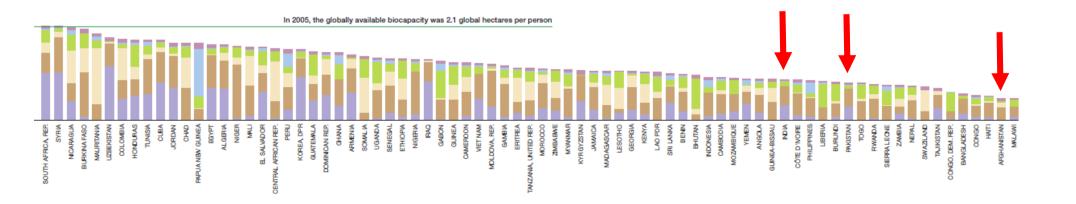


GUIDEBOOK TO THE NATIONAL FOOTPRINT ACCOUNTS 2008







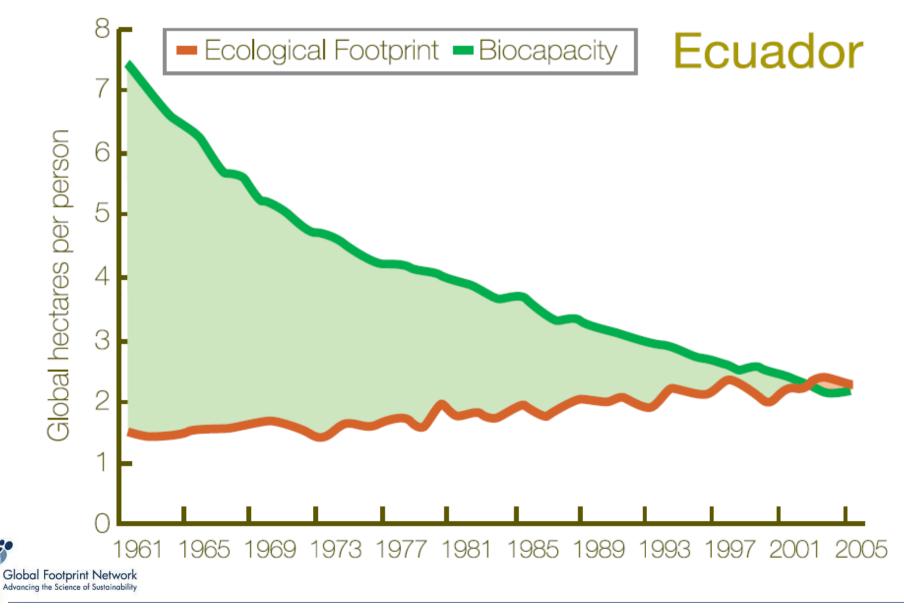


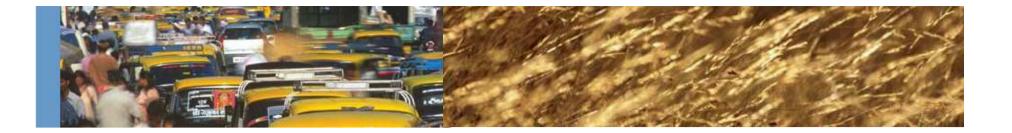


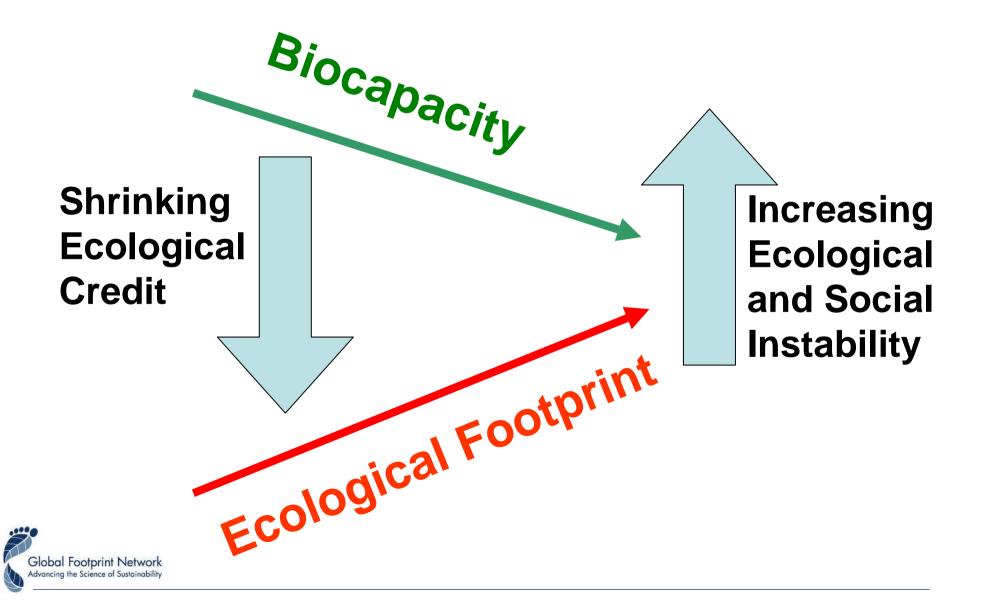
Data for 2005	Ecological Footprint	Biocapacity
	[global ha /cap]	[global ha/cap]
Brazil	2.4	7.3
China	2.1	0.9
Egypt	1.7	0.4
Italy	4.8	1.2
Japan	4.9	0.6
Russia	3.7	8.1
Mexico	3.4	1.7
US	9.4	5.0
WORLD	2.7	2.1





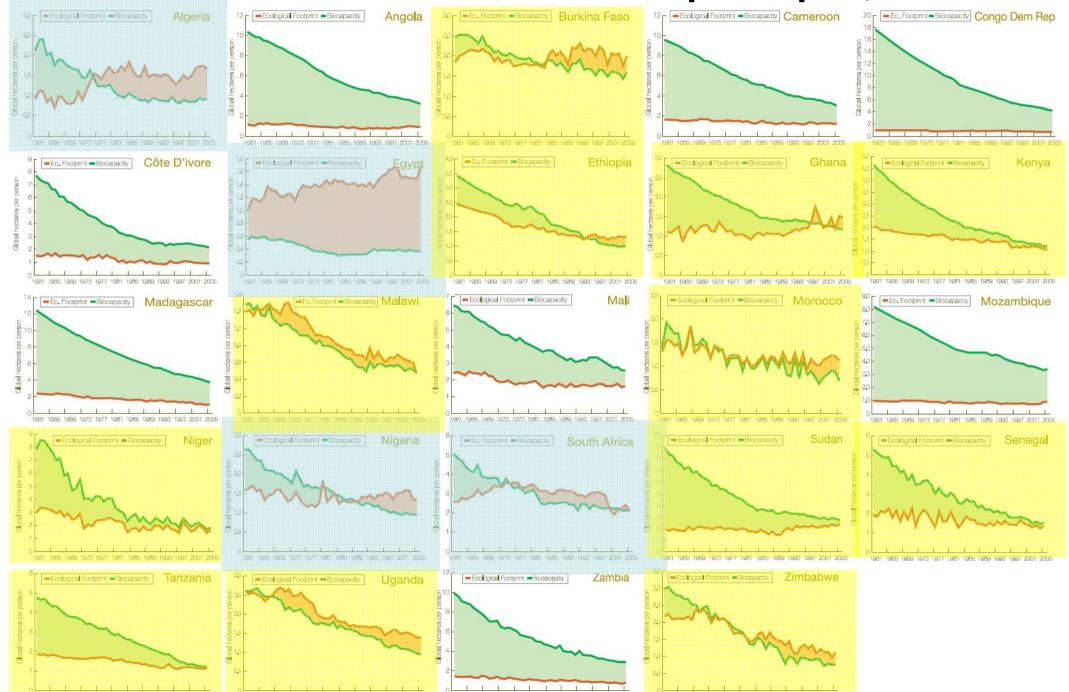


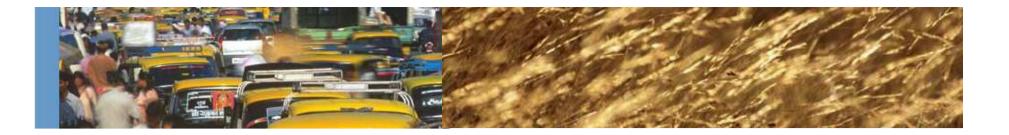




Ecological Creditors and Ecological Debtors in Africa

Fig. Nº13 Ecological Footprint & Biocapacity per capita 1961-2005. Africa per capita, 1961-2005





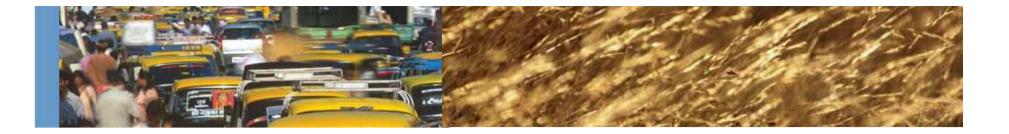
What do these graphs show?

All 24 countries are loosing biocapacity per capita rapidly

4 have assets to afford import and fossil fuel burning

12 countries' development is limited by their (declining) biocapacity – leading to SEVERE conflicts





PIONEER COUNTRIES SO FAR

Switzerland Japan United Arab Emirates Belgium Ecuador Luxembourg Finland EU





Why

UAE?



Tools for Change

Footprint shows:

- Time trends (broken up by drivers and components)
- Split up by activities
- "What if" to assess impact on turning around trends





Vision (phase I, II, & III)

Phase I – VALIDATE - Start with a boring report verifying the validity of the basic numbers (are numbers good enough?). Both Biocapacity and Footprint trends

Phase II – INTERPRET - Based on this report, run engagement workshops with broad constituencies – finance ministries, economics professors, environmental scientists to capture wide range of opinions (inside the tent). Ask questions

Phase III – APPLY – Tools for decision-making



How will **OVErshoot** play out?

How can we Operate without knowing how much nature We have, and how much We USE?

Are we better off with no estimates than with imperfect estimates?

What **COUNTRIES** should we bet on?

Where is the Self-interest for nations in this new era?

What Strategies also turn the global economy into a positive-sum game?

What actions will succeed if **Copenhagen** fails?

Which innovations are needed to reverse global overshoot?

Who are the WinnerS of the 21st century?

We may not have all the **ANSWERS**, but we're asking pertinent **QUESTIONS**



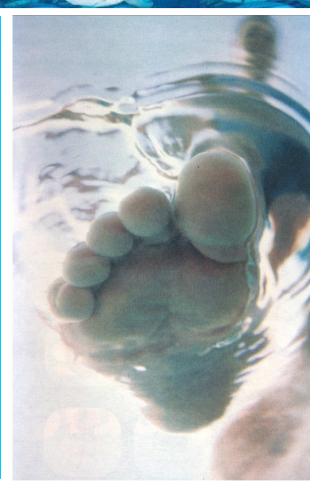


Get ready for "peak everything."

For cities, states and nations, the benefit of acting is overwhelming.

Will Hungary be a leader or laggard?

mathis@footprintnetwork.org

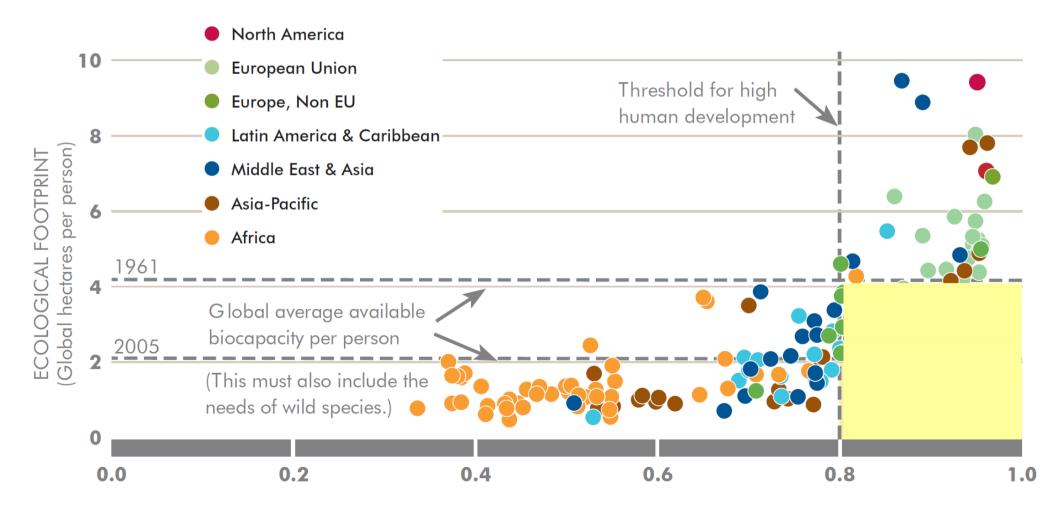


Winning together





How close to global sustainability are we today?



HUMAN DEVELOPMENT INDEX



Why now and not before?

From 'empty world' to 'full world'

