

Swedbank, Stockholm 26th September 2013

The Increasing Importance of Ecosystem Services

Pavan Sukhdev Study Leader – TEEB CEO – GIST Advisory



Orage sur la forêt amazonienne près de Téfé, État d'Amazonas, Brésil (3°32' S - 64°53' O). www.yannarthusbertrand2.org

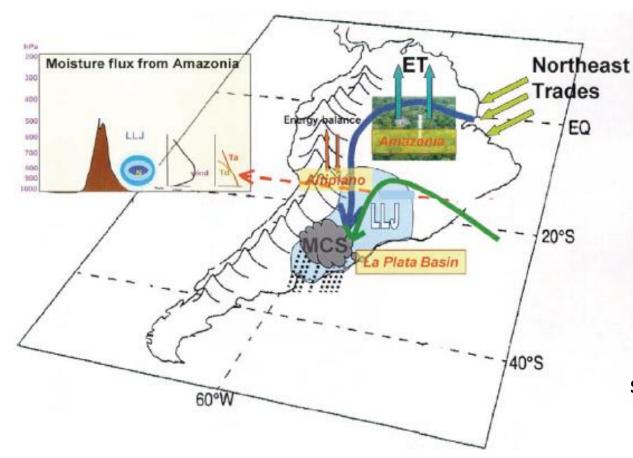


About Rainforests and Rainfall....

http://www.vets.ucar.edu/vg/T341/index.shtml



Amazonia: Economic Invisibility of Freshwater



Marengo et al. 2004, Journal of Climate

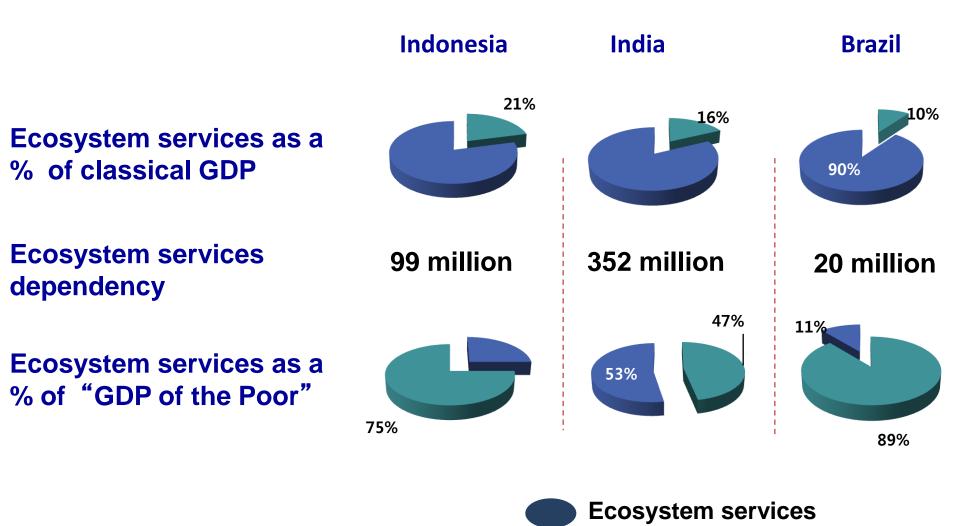
Amazon Rainforest "Water Pump"

Evapo-transpiration puts 20 billion tonnes of water into the atmosphere daily, some of which falls as rain in the Rio Plata Basin... supporting a US\$ 240 billion agricultural economy

(Global Canopy Programme & Canopy Capital Ltd, 2008)



For Poverty Reduction



Source: Gundimeda and Sukhdev, TEEB for National & International Policy



For Business..

Dependencies

- Climate stability
- Agri-productivity
- Materials
- Medicines
- Etc etc

Impacts

- Emissions
- Land Use Change
- Freshwater
- Etc etc

Opportunities

- •Green Carbon
- •Bio-mimicry
- •Cradle-to-cradle
- •Etc etc

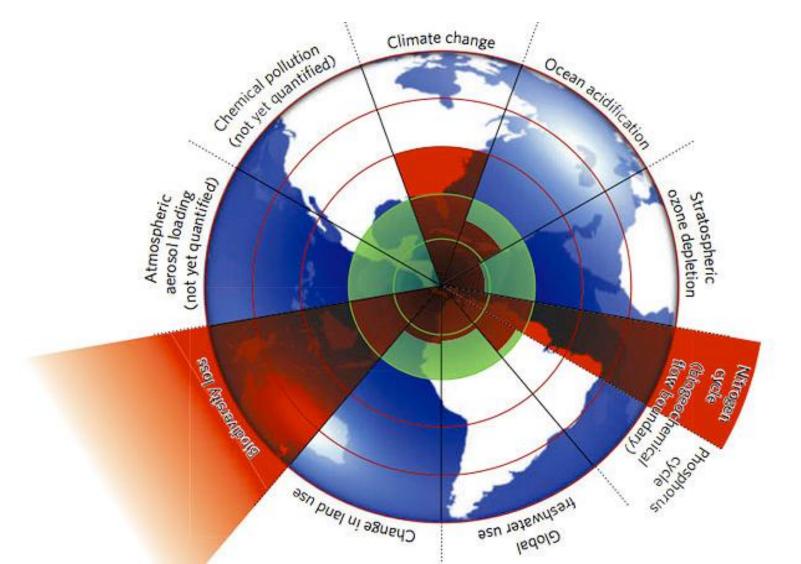
Risks

- Business Disruption
- •Resource Prices
- •Social Licence to Operate...
- •Etc etc



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The Risk Picture...

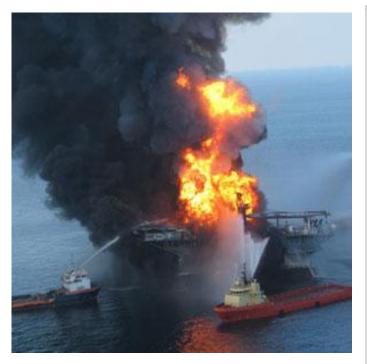


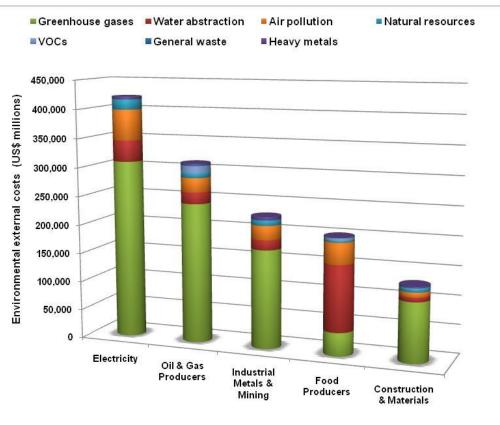




The Risk Picture..

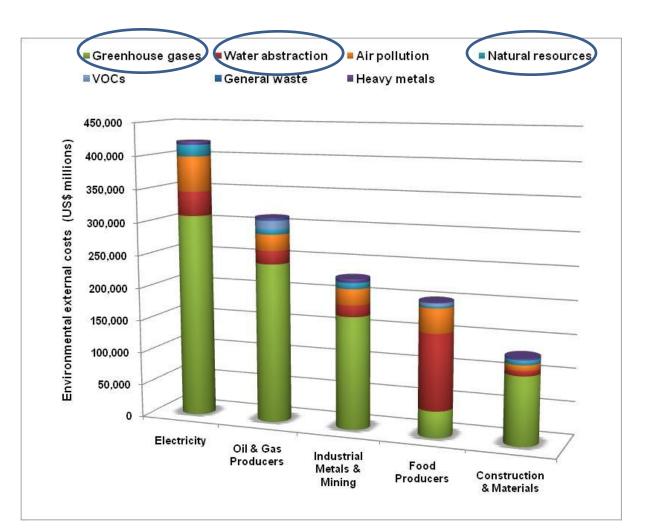
 Negative externalities of top 3,000 companies estimated at US\$2.15 trillion per annum





Source: Trucost for UNPRI, 2010.

Negative Corporate Externalities



Top 3,000 Listed Companies

Source: Trucost for UNPRI, 2010.



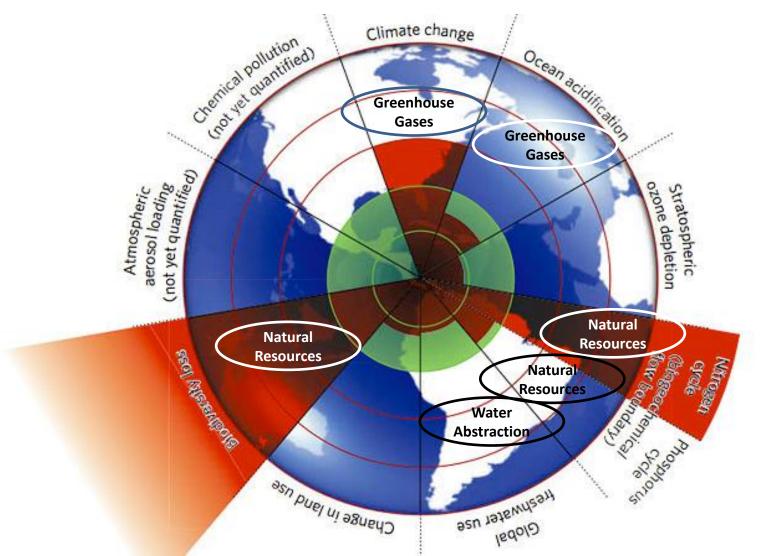
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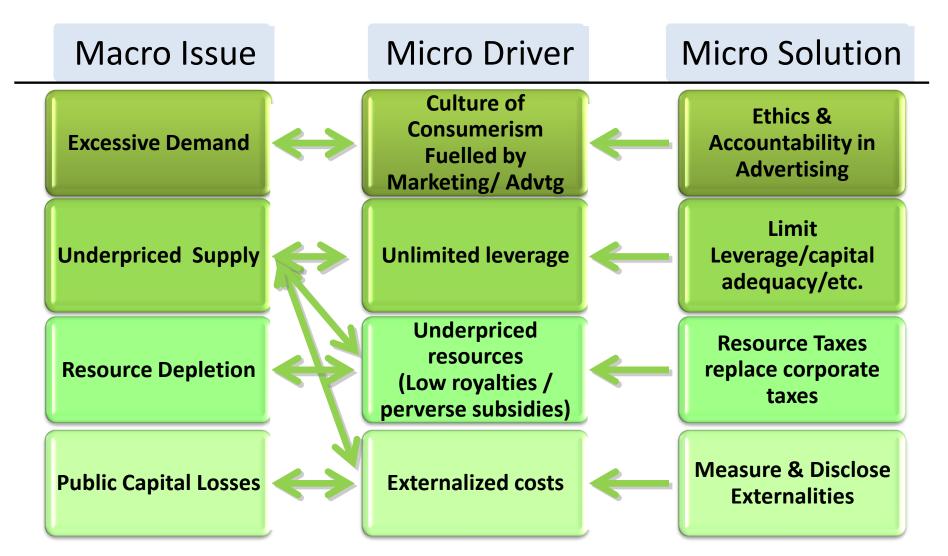
..... Pushing Planetary Boundaries







What will drive change?





Why Stakeholder Reporting?

Business today depends on, and/or has impacts on, ALL dimensions of private & public wealth but..

EXAMPLES	Physical Capit	aHuman Capita	ISocial Capital	Natural Capita
Private Ownership	 Factories Buildings Securities Cash 	HealthEducationJob Skills		GardensFieldsForests
Community Ownership * (club goods)	 Community Centres Community Schools 	- Traditional knowledge	 Community Norms and Customs 	 Community Forests Grazing Commons
Public Ownership * (public goods)	RoadsBridges	 Public databases Non-patent knowledge 	 Law & Order Taxation Social Equity & Inclusion 	 High Seas fisheries National Parks/ Forests

* Creating community wealth and public wealth creates "shared value"



Why Stakeholder Reporting?

Business today generally measures & reports only shareholder wealth impacts: private physical capital

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Why Stakeholder Reporting?

Business for a sustainable tomorrow - will measure & report on LL dimensions of its impacts.

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How Stake Holder Reporting? GIST 360° [™] Assessment..

Financial	Natural		
Value	Capital		
Addition	Externalities		
Human Capital Externalities	Social Capital Externalities		

Measuring "Value Addition" holistically, *including* all material Externalities





Disclosing Externalities : PUMA

	Water use	GHGs	Land use	Air pollution	Waste	TOTAL	
PUMA 🔪	€ million	€ million	€ million	€ million	€ million	€ million	% of total
	33%	32%	26%	7%	2%	100%	
TOTAL	47	47	37	11	3	145	100%
PUMA operations	<1	7	<1	1	<1	8	6%
Tier 1	1	9	<1	1	2	13	9 %
Tier 2	4	7	<1	2	1	14	10%
Tier 3	17	7	<1	3	<1	27	19%
Tier 4	25	17	37	4	<1	83	57%
EMEA	4	8	1	1	<1	14	10%
Americas	2	10	20	3	<1	35	24%
Asia/Pacific	41	29	16	7	3	96	66%
Footwear	25	28	34	7	2	96	66%
Apparel	18	14	3	3	1	39	27%
Accessories	4	5	<1	1	<1	10	7%

PUMA Press Release, November2011





Accountable Advertising : PUMA

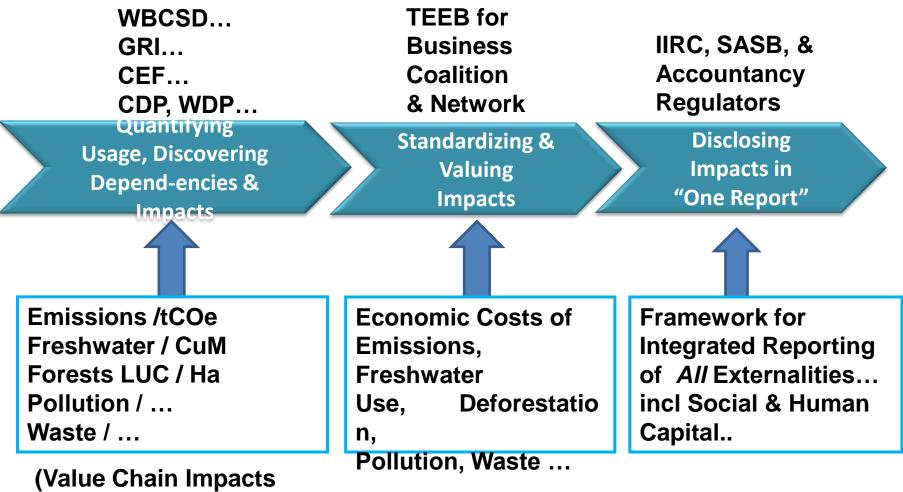




TEEB for Business Coalition:



Measuring, Valuing, Disclosing Externalities



"Cradle to Gate")



TEEB for Business Coalition:



Measuring, Valuing, Disclosing Externalities

'TEEB4BC' Report (15th April 2013) on Measuring & Valuing Externalities by *Business Sector & Region.....*



RANKING OF THE 5 REGION-SECTORS WITH THE GREATEST OVERALL NATURAL CAPITAL IMPACT

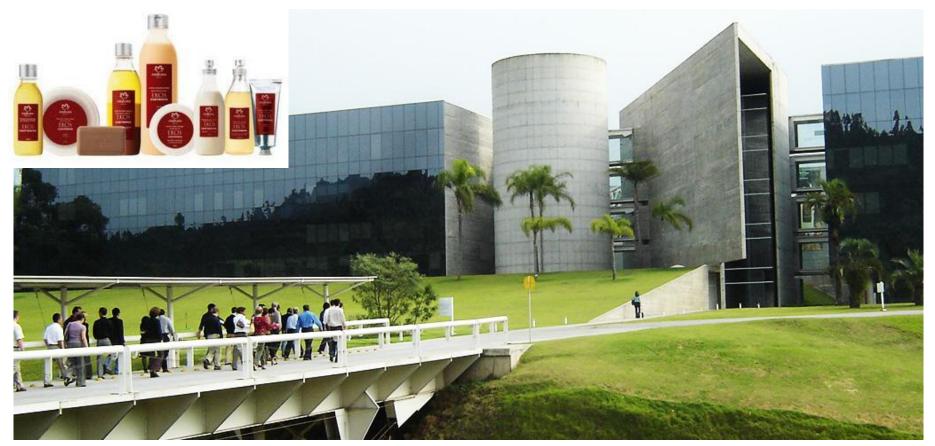
RANK	SECTOR	REGION		REVENUE, \$BN	IMPACT RATIO
1	COAL POWER GENERATION	EASTERN ASIA	452.8	443.1	1.0
2	CATTLE RANCHING AND FARMING	SOUTH AMERICA	353.8	16.6	18.8
3	COAL POWER GENERATION	NORTHERN AMERICA	316.8	246.7	1.3
4	WHEAT FARMING	SOUTHERN ASIA	266.6	31.8	8.4
5	RICE FARMING	SOUTHERN ASIA	235.6	65.8	3.6

www.teebforbusiness.com





Corporation as "Community" : Natura Greater Economic Security for Women



http://totallybeautyaddict.fr/mon-jolieapero-chez-natura-brasil/ Source: http://www.managementexchange.com/story/innovation-in-well-being







Alessandro Carlucci CEO, Natura

Pavan Sukhdev Author, "Corporacao 2020"



What will define a "Corporation 2020"?

- Social Purpose: Goals Aligned with Society
- Capital Factory: Positive Externalities
- -Institute: Creating Human Capital
- Community: Creating Social Capital





In Summary : Reforms for "Corporation 2020" to become the DNA of Business

Accountable Advertising : Making advertising responsible & accountable via norms & standards

Limiting Leverage : Introducing rules & limits to govern financial leverage

Resource Taxation : Replacing Corporation Tax (profits) with Taxes on Resource Use & Extraction

Disclosing Externalities : Measuring & disclosing all major corporate externalities (+ve & -ve)

From : <u>www.corp2020.com</u>







Thank You !

Pavan Sukhdev <u>www.gistadvisory.com</u> <u>www.corp2020.com</u>