





Vision 2050: A holistic, optimistic platform for rethinking business, by business





...through a global business dialogue







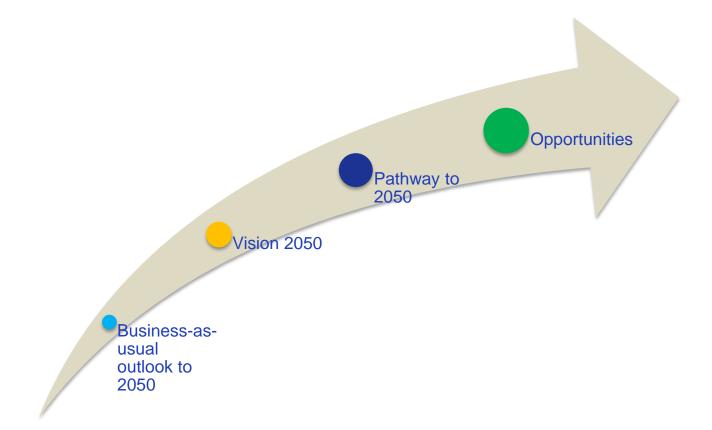
Three key questions

- What does a sustainable world look like?
- How can we realize it?
- What are the roles business can play in ensuring more rapid progress toward that world?



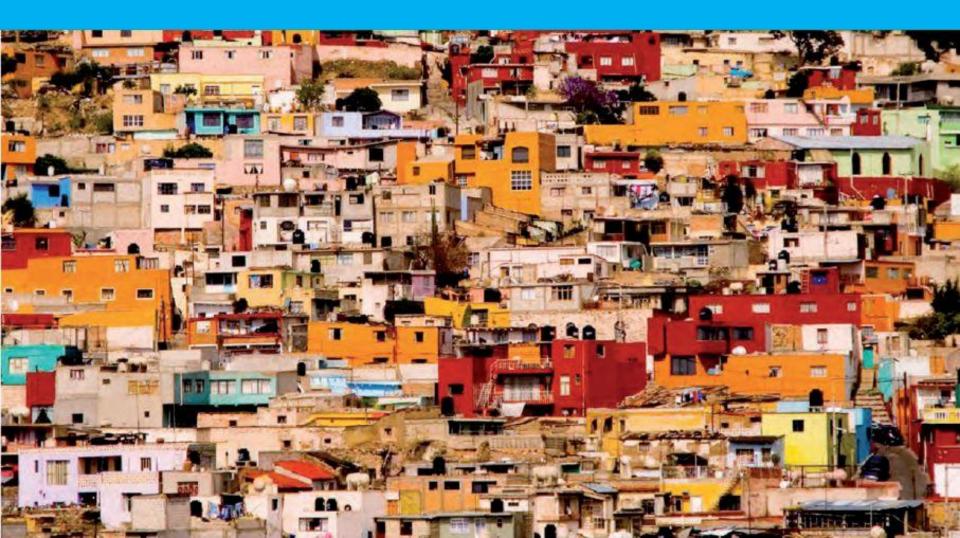


The different steps of Vision 2050





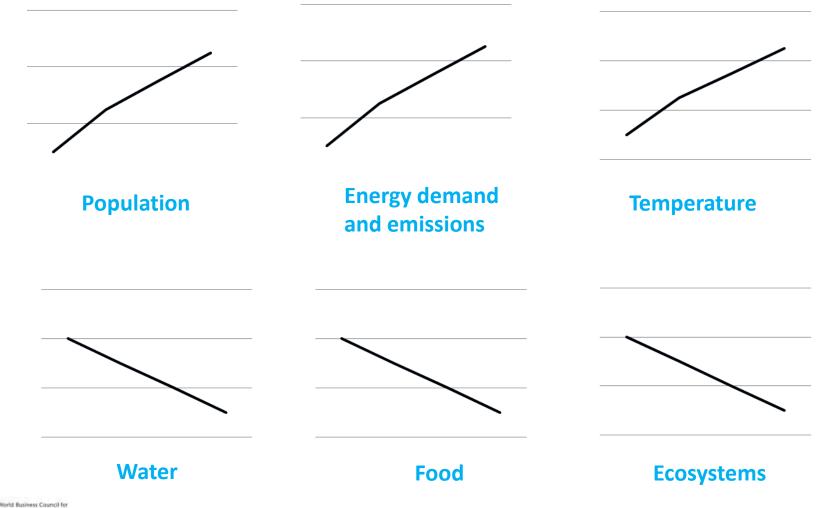
Business-as-usual Outlook to 2050





stainable Development

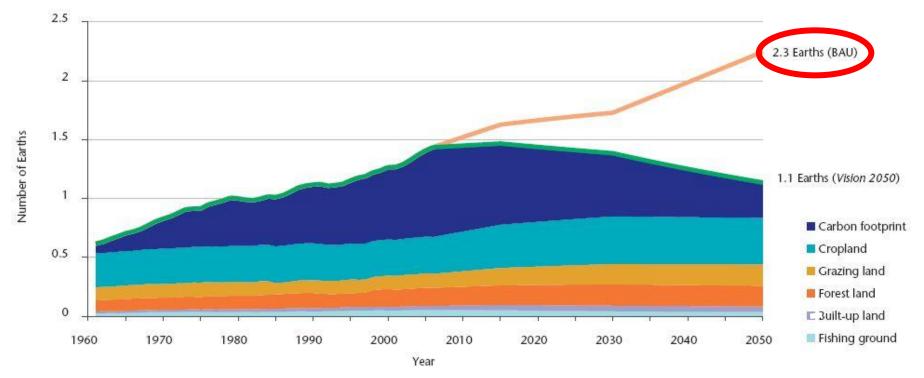
BAU to 2050: Growth, inertia, degradation





In sum: World is on an unsustainable track

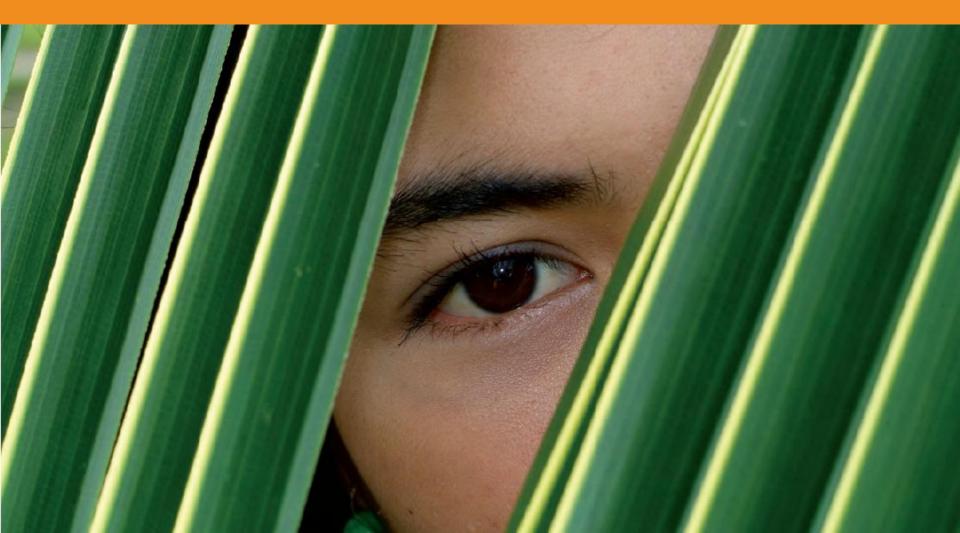
BAU projection: We will consume 2.3 Earths in 2050



Sources: Global Footprint Network, WBCSD Vision 2050

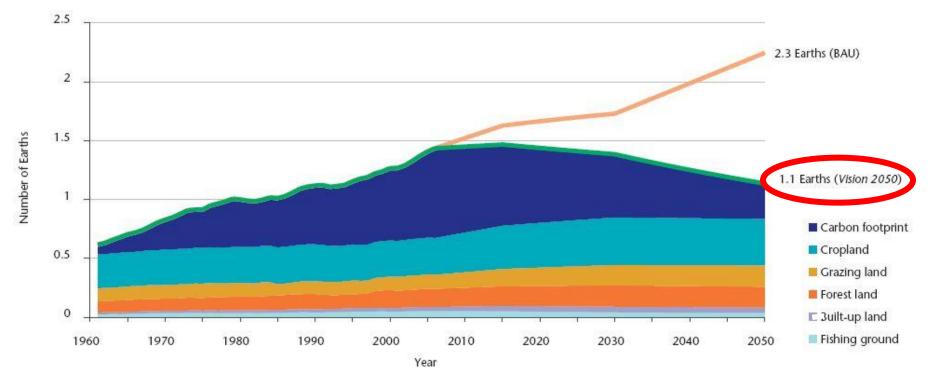


The Vision





Vision 2050: Nine billion people live well, within the limits of the planet



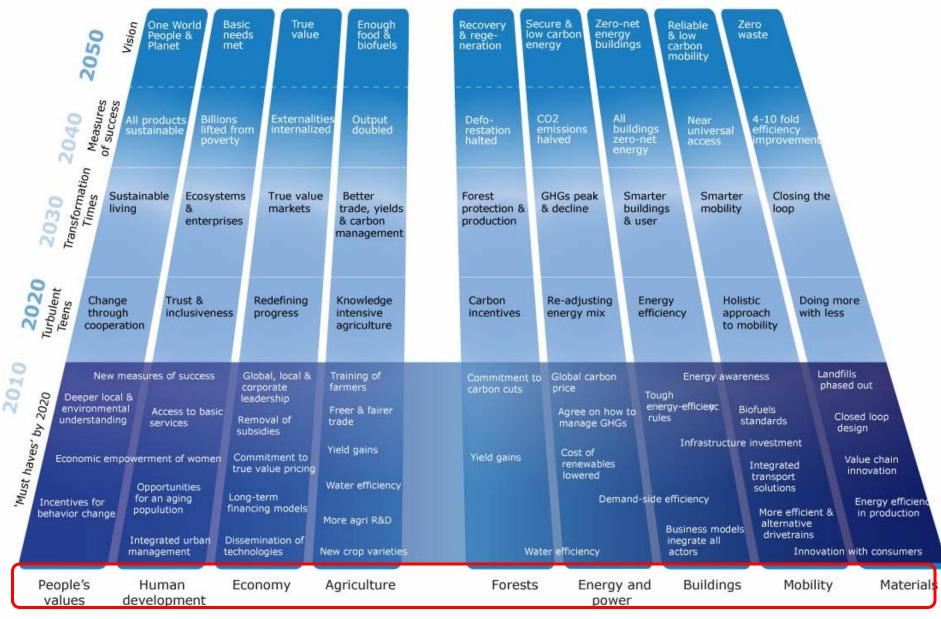
Sources: Global Footprint Network, WBCSD Vision 2050



Pathway to 2050

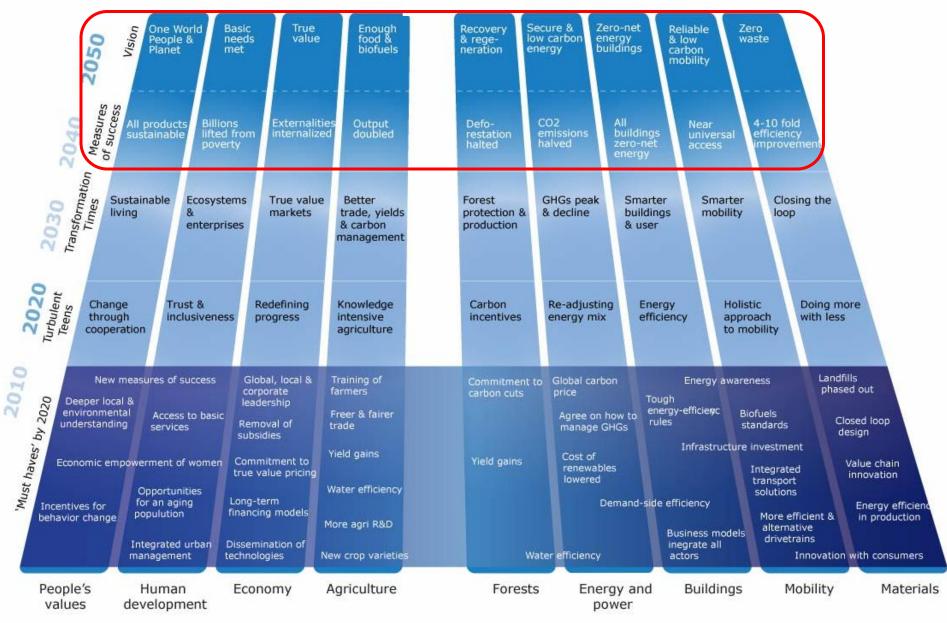


To a sustainable world in 2050



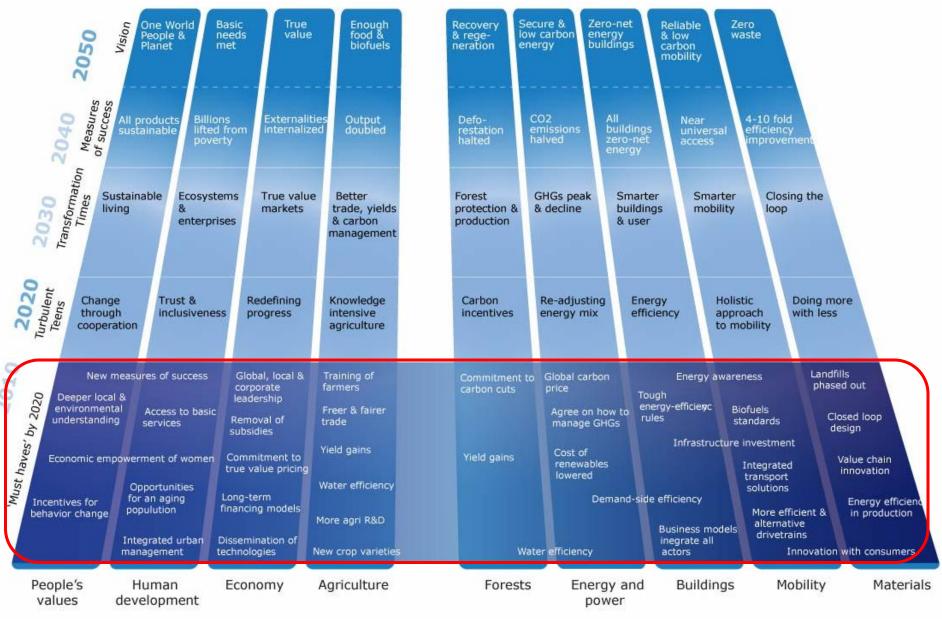
From business-as-usual

To a sustainable world in 2050



From business-as-usual

To a sustainable world in 2050



From business-as-usual



Closing the gap: Reaching the vision

Collaboration Build complex coalitions, coinnovation

Carbon & resources Halve CO2 emissions, double agricultural output, 4-10 fold increase in resource efficiency

Consumption Change consumption patterns to more sustainable lifestyles **Costs** Internalize cost of carbon, water & other ecosystem services





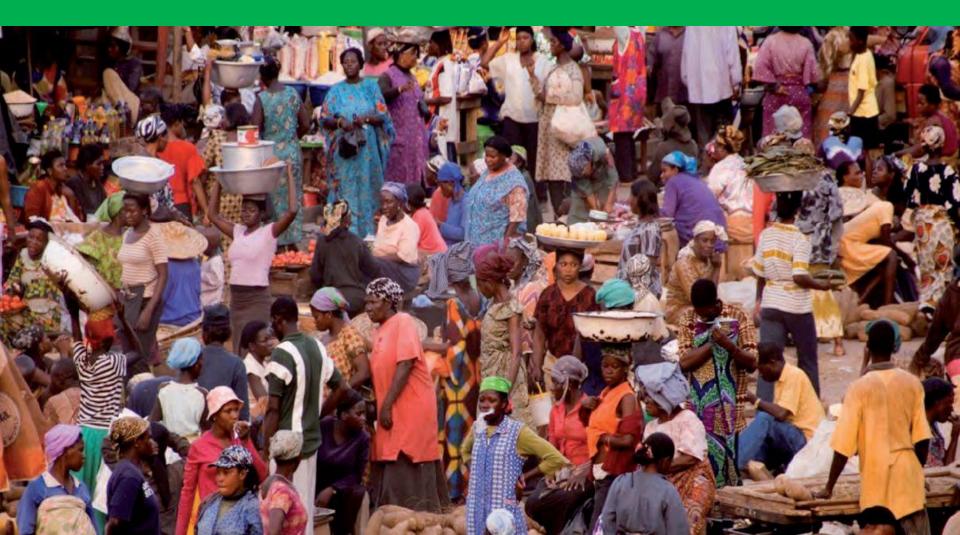
Sustainable innovation is THE key

"...sustainability is now the key driver for innovation. In the future only companies that make sustainability a goal will achieve competitive advantage."

Harvard Business Review, Sep 2009

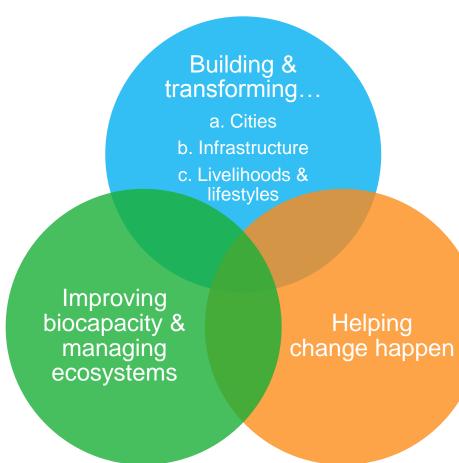


Opportunities





Business domains for the next decade – Opportunities and overlaps







Building & transforming cities: The development of cities presents significant opportunities

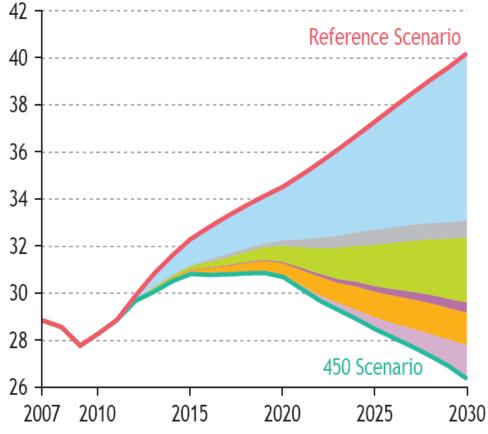
Estimates suggest that by 2030 US\$ 40 trillion will need to be invested in urban infrastructure worldwide







Building the new energy mix is another trillion \$ / year business



	Abatement (Mt CO ₂)		Investment (\$2008 billion)	
	2020	2030	2010- 2020	2021- 2030
Efficiency	2 517	7 880	1 999	5 586
End-use	2 284	7 145	1 933	5 551
Power plants	233	735	66	35
Renewables	680	2 741	527	2 260
Biofuels	57	429	27	378
Nuclear	493	1 380	125	491
CCS	102	1 410	56	646

Source: IEA/OECD, 2009

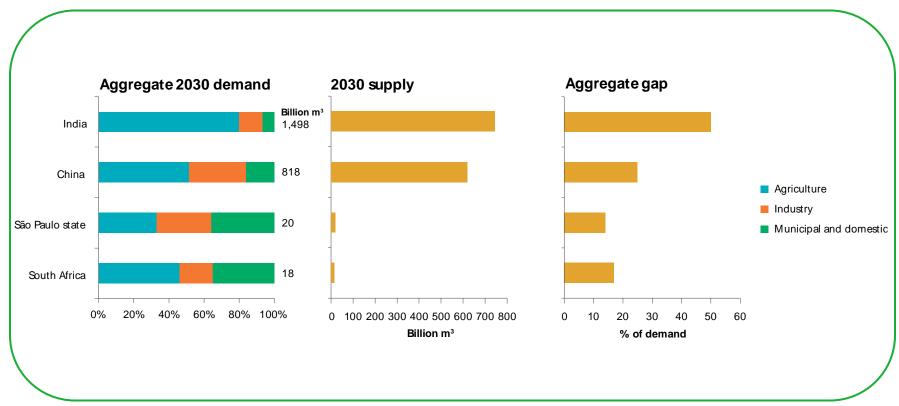




Water infrastructure: A great variety of solutions will be needed

Demand for water will outstrip supply – Action is needed to plug the gap

Base-case demand, supply and corresponding gaps for certain regions

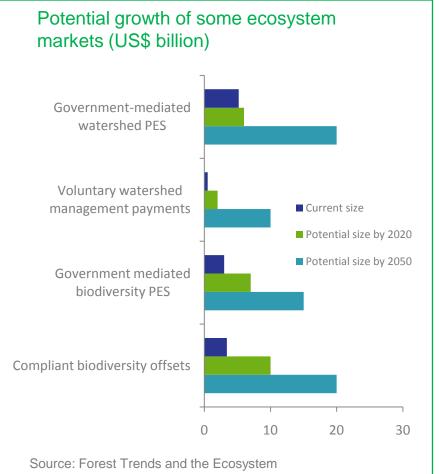


Source: McKinsey/Water Resources Group, Charting our water future, 2009





Improving biocapacity and managing ecosystems



Marketplace, PES: Market Profiles, 2008







Education: Investing in educating women

Providing girls with an extra year of schooling increases their wages by 10-20%







Products and services for aging populations

Each month around 1.9 million people in the world will join the ranks of the over 65s

By 2020 people aged 65 and above will account for about one-fifth of the total global population







Total size of business opportunities is large

Sectors	Annual value in 2050 (US\$ trillion at constant 2008 prices: mid-points with ranges shown in brackets)	% of projected world GDP in 2050	
Energy	2.0 (1.0-3.0)	1.0 (0.5-1.5)	
Forestry	0.2 (0.1-0.3)	0.1 (0.05-0.15)	
Agriculture and food	1.2 (0.6-1.8)	0.6 (0.3-0.9)	
Water	0.2 (0.1-0.3)	0.1 (0.05-0.15)	
Metals	0.5 (0.2-0.7)	0.2 (0.1-0.3)	
Total: Natural resources	4.1 (2.0-6.1)	2.0 (1.0-3.0)	
Health and education	2.1 (0.8-3.5)	1.0 (0.5-1.5)	
Total	6.2 (2.8-9.6)	3.0 (1.5-4.5)	

Source: PwC estimates drawing on data from IEA, OECD and the World Bank



Conclusions





- 1. There will be tremendous change
- 2. Global challenges will become the key strategic drivers for business and innovation
- 3. Opportunities abound for those who turn sustainability into strategy and operations
- 4. The needed resource efficiency improvements will require "sustainable innovation by all means"
- 5. The Green Race is on!

