



Agenda

- The business case for building a sustainable supply chain
- **■** Introduction to CDP Supply Chain
- **Members using the CDP data**
- **▼** Collaborative Opportunities
- **■** Questions



Mission

To transform the global economic system to prevent dangerous climate change and value our natural resources by putting relevant information at the heart of business, investment and policy decisions.



About CDP

N CDP is an international, not-for-profit organization providing the only global system for companies and cities to measure, disclose, manage and share vital environmental information.

CARBON ACTION

CITIES

CLIMATE CHANGE

CLIMATE DISCLOSURE STANDARDS BOARD

FORESTS

REPORTER SERVICES

SUPPLY CHAIN

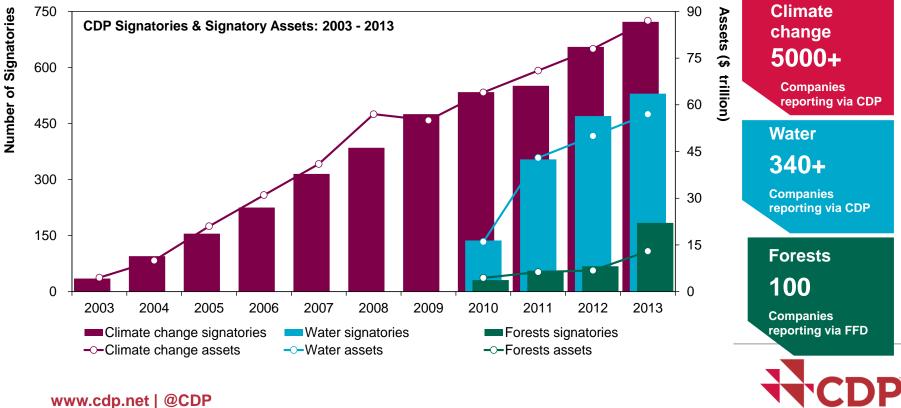
WATER

CDP has 501(c)3 charitable status in the U.S. via its fiscal agent and sponsor liaison, Rockefeller Philanthropy Advisors





CDP Signatories: Increasing Investor Interest



1. The business case for building a sustainable supply chain

What risks are businesses currently facing from the supply chain?

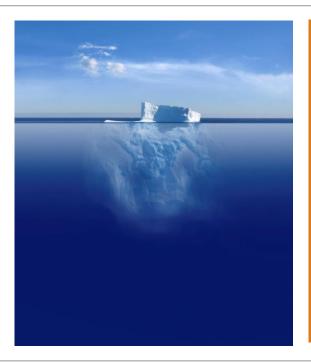


Why Sustainable Supply Chains? Recognizing the risks...

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"We must extend beyond our own operations to promote best practices among our business partners, in order to deliver on our commitment to protect natural resources and mitigate business risks."

PepsiCo



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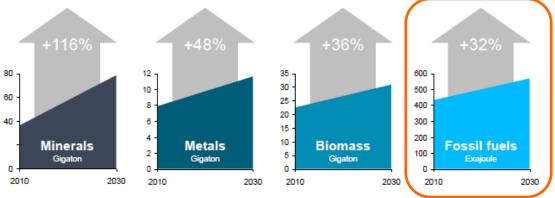
Our analysis suggests that for consumer goods makers, high-tech players, and other manufacturers, between 40% and 60% of a company's carbon footprint resides upstream in its supply chain—from raw materials, transport, and packaging to the energy consumed in manufacturing processes.

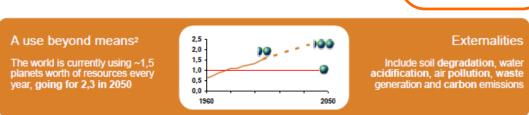
McKinsey Quarterly



Supply Chain Risks: Increased costs from resource pressure







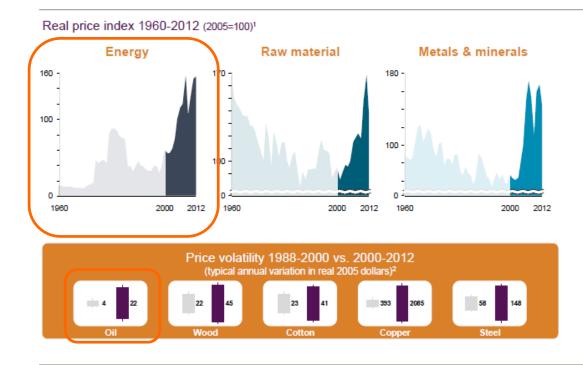
- Increased population and a burgeoning middle class is putting increased pressure on natural resources
- We're currently using 1.5 planets worth of resources, this will grow to 2.3 in 2050
- With limited resources action must be taken now to avert global shortage crises

DRIVING SUSTAINABLE ECONOMIES

¹ OECD & SERI (2012) for Minerals, Metals, Biomass; Exxon (2013) & Shell (2013) for Fossil fuels

² Global Footprint Network (2012)

Supply Chain Risks: Increased costs from resource pressure



- Businesses are feeling the impacts of this increased pressure now through increasing costs in the supply chain.
- Uncertainties around supply of resources has cause increased costs and price spikes.
- Speculation around the winners and losers for resources have also caused price volatility.



¹ World Bank pink sheets 2013 (Raw mtrl. = timber, cotton, rubber, tobacco)

² Ibid. & Accenture Analysis (Std), Oil = Brent crude, Wood = Logs (Cam), Cotton = A index, Steel = Cold rolled coilsheet

Supply Chain Risks: Potential Business Disruption





Thailand floods hit production at Honda in Swindon

Staff at Honda motors in Swindon have been forced to work a three-day week because of flooding in Thailand.

The floods have stopped production at the Thai factories that make the electronic components for Honda cars built at the Wiltshire plant.

A Honda spokesman said: "We are working closely with our suppliers in Thailand and throughout our global network to re-establish the flow of parts."

Mass production of the Civic was due to start but month.

Staff have been told they might have to continue



Thai floods: a repeat of 2011?

September 14, 2012 4:00 am by Jake Maxwell Watts











A mere eight months since flood waters receded from Thailand's capital, there is once again fear in the Kingdom that history is being repeated.

Last year the World Bank estimated that the cost to Thailand's economy of severe flooding was approximately

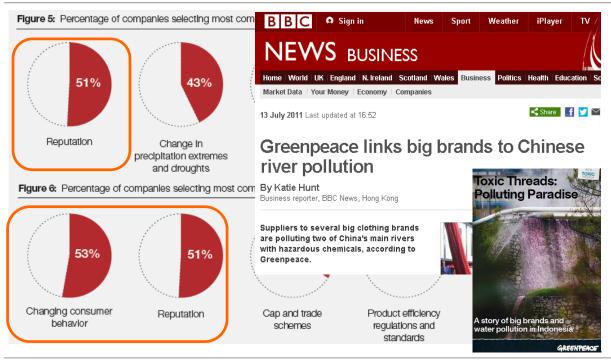
1.4th baht (\$46bn). In the last few days, much of the north of the country has been inundated and as high water advances towards Bangkok the government has issued warnings to urban residents.

In 2011, several companies including Honda, Hitachi, Sanyo and Western Digital became submerged and the global supply chain for consumer electronics and automobiles was disrupted. However, based on the government's rainfall and dam capacity statistics, investors perhaps do not need to be excessively concerned that

- Increased severity and frequency of extreme weather events have impacted the global economy
- Companies have been impacted by suppliers failing to deliver goods and services, leading to either delays when switching suppliers or increased prices where alternatives are in short supply. Both impact profit forecasts.
- Suppliers are often concentrated in regions that have not recognized climate change threats and have no mitigation or resiliancy plans.



Supply Chain Risks: Changing consumer demands

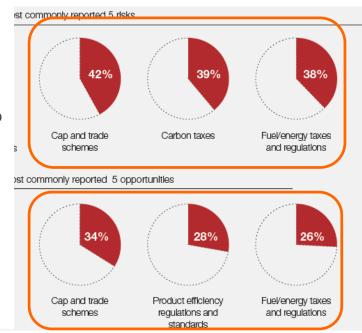


- Reputational risk is not isolated to a company's own operations and ethos.
- Brands are increasingly being targeted based on the behavior of their suppliers.
- Suppliers are not always prepared for the NGO, media & consumer scrutiny.



Supply Chain Risks: Increased regulation on environment impacts

- Costs aren't only associated with taxes, resources to respond to regulation lead to increased costs.
- These costs are often passed through the supply chain as operational increases





"Should the US federal government pass a carbon tax, we estimate the approximate annual cost impacts to be \$13 million - \$26 million. Recognizing the complexity of supply chain costs, we estimate the potential added annual cost of purchased goods and services (excluding energy) due to energy/carbon taxes to be \$180 million to \$500 million"

Bank of America



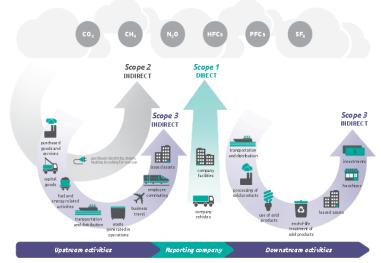


Supply Chain Risks: Increased interest from investors and customers

Scope 3

Investors and customers are taking more interest in what is being measured outside of a companies operational control.

CC14.1	Please account for your organization's Scope 3 emissions, disclosing and explaining any exclusions
CC14.2	Please indicate the verification/assurance status that applies to your reported Scope 3 emissions
CC14.3	Are you able to compare your Scope 3 emissions for the reporting year with those for the previous year for any sources?
CC14.4	Do you engage with any of the elements of your value chain on GHG emissions and climate change strategies?





CDP as global standard for environmental disclosure

Increased risks such as....



- 1. Population growth causing price volatility and supply speculation
- 2. Increasingly global implications and complications from a changing climate
- 3. Reputational risk not being isolated to operational borders affecting stakeholder opinion
- 4. Costs of increased regulation being passed along
- Increasing pressure from investors for full accounting and transparency

Result in

Sustainable Supply Chain Business Case:

A real need for pragmatic and action-focused approach to drive transparency, understanding and improvements in the supply chain.

And not taking action can lead to

- Increased Costs \$\$\$ passed along through the supply chain
- Unknown reputational risk if suppliers are targeted by media / NGOs.
- Supply disruption from extreme weather events.
- Lost opportunities by not collaborating more closely with suppliers



2. Introduction to CDP Supply Chain



2014 supply chain members













































































































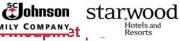






















2014 supply chain members



































































































































Water risk as a supply chain engagement driver



Water in Supply
Chain: gain a
complete
understanding of your
supply-chain-related
water risks by inviting
your key suppliers to
do CDP Water via the
SC program.....

Physical risk: General Motors
Increases in the frequency of drought conditions
can further depress water availability for
production in water-stressed areas. GM has
production facilities in Mexico, an area that was
hit hard by drought in 2012, and there is a risk
that increases in the frequency of such events
could disrupt production due to lack of water
availability. Mexico accounts for about 6% of
total global production. A one month disruption
of GM's production, for example, could result in
loss of US\$27 Million in net income.



....and be an example for your suppliers and your competitors by becoming a strategic water partner of CDP.

Source: CDP Water 2013 Report, pp. 12 and 26



2014 supply chain water members































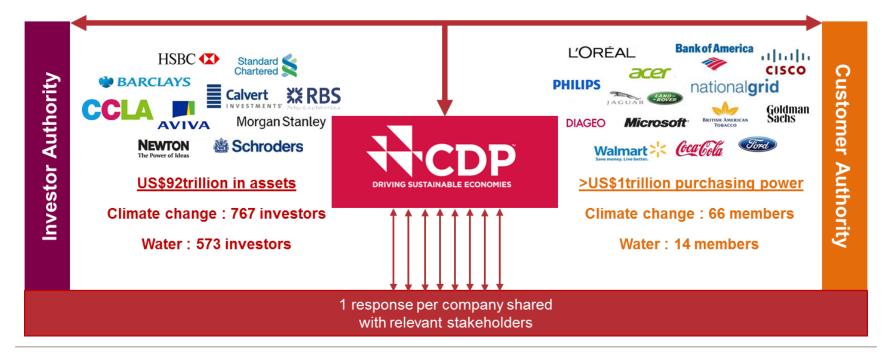






How does it work?

Are your suppliers already disclosing to CDP?





CDP's Supply Chain Questionnaire

Over 2,800 companies, the greatest number than ever before, responded to CDP's supply chain questionnaire in 2013, as requested by their customers.

Supply Chain Questionnaire						
Climate change questions	Water questions	Supply chain module questions				
Management Strategies, targets, emissions reduction activities Risks & Opportunities Regulatory, physical, other Emissions Reporting Emissions methodology and data	Current State Growth strategy & experienced detrimental impacts Risk Assessment & Implications Risk assessment, exposure and opportunities Water Accounting Water consumption, discharge, withdrawals and recycling Corporate Response Governance, strategy, targets and initiatives	Customer Specific Information Allocating emissions to customers Collaborative opportunities Product (goods & services) level data				



CDP Timelines



April to July

DISCLOSURE & DATA COLLECTION

April: CDP invite to suppliers sent in early April

July: Deadline for disclosing is July 31st

August to January

ANALYSIS REPORTING & FEEDBACK

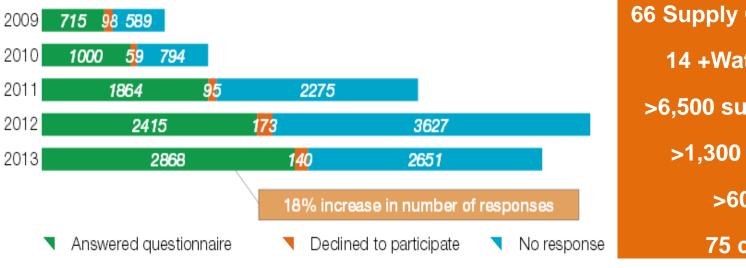
September: Data is made available to members

November: Scores are sent back to suppliers

December: Custom reports, and public report launch.



2014 – Where are we now?







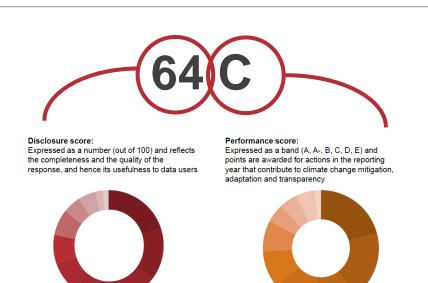
Supplier support: Scores

Available on the CDP website

- Questionnaire guidance
- CDP scoring methodology
- Reporting roadmap
- Technical guidance
- FAQ's
- Upcoming webinars
- Tailored score feedback call



Email support: respond@cdp.net



■21% Emissions performance

■12% Strategy

■10% Governance

■5% Opportunities

■5% Communications



■19% Targets & Initiatives

■9% Scope 3

■5% Risks

■12% Scope 1 & 2 verification

2% Energy and emissions trading

■20% Scope 1 and 2 emissions data ■15% Risks

■8% Energy and emissions trading ■5%

■10% Scope 3

■9% Targets & Initiatives

Emissions performance

■ 15% Opportunities

■9% Scope 1 & 2 verification

Understanding the Scoring Methodology

1. Responses are scored for both disclosure and performance

Disclosure Score	Performance Score
 Assesses level of detail and comprehensiveness of a response Percentage; out of 100 (e.g. 87, 62) 	 Assesses level of action taken on climate change Letter band; based on percentage of performance points earned (e.g. A, B, C, D, E) Awarded when at least 50% of disclosure pts earned Not all questions are scored for performance

- 2. Each question has a certain number of raw disclosure and performance points associated with it, depending on the route taken. After all questions are scored, disclosure and performance scores are calculated:
 - Raw disclosure points earned
 Raw disclosure points available
 based on chosen routes

X 100 = Disclosure Score

- (Raw performance points earned Raw performance points available based on chosen routes
- X 100 = Performance Percentage -> converted to a Letter Band (threshold for Letter Bands set after responses scored)



Members encourage CDP disclosure through a variety of mechanisms

Mandate
Collaborative
Foundation

Policy or Mechanism	% of Members in 2013
Industry accepted audit standards	36%
Contractual obligation	36%
Collaborative platforms	36%
Supplier training & outreach	50%
Scorecard	41%
Request for proposals	48%
Supplier self-declaration	43%
Procurement policy (e.g. code of conduct)	59%



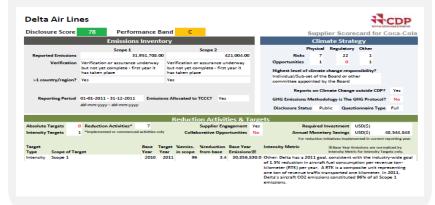
3. Members using the CDP data



CDP Supplier Data Use by Purchasing Companies

Supplier Evaluation

In conjunction with members L'Oreal & Coca-Cola, CDP developed a supplier score card designed to inform meaningful interactions between buyer and vendor.



Price Negotiation "When suppliers ask for price increases due to energy cost, we first turn to their CDP reporting history. We require reporting on energy and climate risk management before granting these increases except in exceptional circumstances."

Scope 3 Emissions

Many companies are now using supplierreported emissions data to contribute to their Scope 3 emissions reporting. CDP works closely with World Resources Institute and provides helpful guidance on how to complete this work.



Transparency: Assessing the supply chain's current state of health

KPI	2015
Response Rate	55%
Reporting Scope 1 & 2 Emissions	45%
Have Emissions Target	43%
Reporting Emissions Reduction Activities	30%
# of Collaborative Opportunities Reported	15
% Engaging with their Own Supply Chain	20%
Total Amount of CO2 Reduced Reported	8531
Total Amount of Monetary Savings Reported	\$53,540
Total amount of CO2 specifically associated with member engagement	N/A

- Collecting primary information in the first year informs you of the current state of affairs and supplier capacity
- "What isn't measured cant be managed"

Member Benefit

Business intelligence on current state of supply chain



Transparency & Reporting – Communicating work publicly



Ford Motors Inc communicate selected key
KPIs via their website, based on specific
supplier statistics from their CDP custom report





Members Driving Action – The mechanisms...



1:1 Supplier Meetings

"When suppliers ask for price increases due to energy cost, we first turn to their **CDP reporting history**. We require reporting on energy and climate risk management before granting these increases unless there are exceptional circumstances."

Supplier Scorecards

Dell's guidelines for suppliers:

- report scope 1 and 2 emissions
- set public goals to reduce operational GHG impacts
- Tier 1 suppliers to establish GHG management and reporting requirements for their suppliers

"Failure to meet these requirements can impact your supplier ranking and potentially diminish your ability to compete for Dell's business"





Members Driving Action - ... Tracking progress...



We set a *Healthy Future 2015* goal for all strategic suppliers to publicly report on two or more sustainability goals ... as a participant in the Carbon Disclosure Project's (CDP) Supply Chain program, we encourage suppliers to **measure** their energy use and greenhouse gas emissions, and to develop and publicly report on their emissions.







We'd like to see our top 100 suppliers reporting an active emissions reduction target and activities to achieve this target via their CDP disclosure.





Members Driving Action - ... The outcomes

We recognize from our own experience, that working to reduce greenhouse gas emissions can drive innovation and enable cost savings....we are asking suppliers to publicly report their GHG emissions, reduction strategy and actions to the Carbon Disclosure Project.



Eliminate 20 million metric tons
(20 MMT) of greenhouse gas
(GHG) emissions from the global supply chain by the end of 2015



4. Collaborative Opportunities



Performance: Engaging suppliers on emissions reductions



"Johnson Controls asked its key suppliers to report their greenhouse gas emissions through the CDP Supply Chain Program and also asked them to reduce their annual emissions associated with their business with Johnson Controls by a 1% absolute."

■ Collecting information on emissions reductions associated with your request. SM 2.2b

■ Exploring collaborative opportunities to reduce emissions. SM 2.1

■ Encouraging innovation in the supply chain. SM 2.1

L'ORÉAL



L'Oréal USA Launches Innovative Approach to Bottle Supply at Florence,

Bottle Packaging Supplier Located In-House Reducing Freight, CO2 Emissions, Waste and Cost

TWEET ME: L'Oréal USA Launches Innovative Approach to Bottle Supply at Florence, Kentucky Plant http://3bl.me/ephb0h #sustanability





L'Oréal USA

Member Benefit

Realizing real cost- and emissionssavings in partnership with suppliers



L'ORÉAL

Coreal USA's "Tive Got the Power" Energy Conservation Challenge Nominated for Best Employee Relation

its Leadership in Reducing senhouse Gases

Performance: CDP's Action Exchange

A platform to accelerate the deployment of profitable solutions to climate change

- Identify emissions reduction opportunities and cost savings potential for key suppliers
- Connect suppliers with technology and solutions providers

Member Benefit ✓
Address common barriers to investing in emissions reduction activities

■ In 2013, **84%** of members reported monetary savings from emissions reduction activities, compared to **31%** of their suppliers.

■ \$11.5 billion was saved as a result of the emissions reduction activities reported by this 31%.







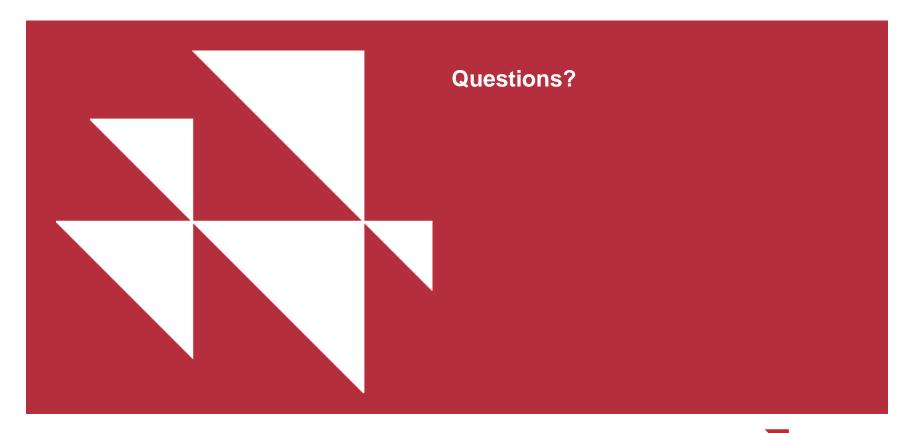
















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