

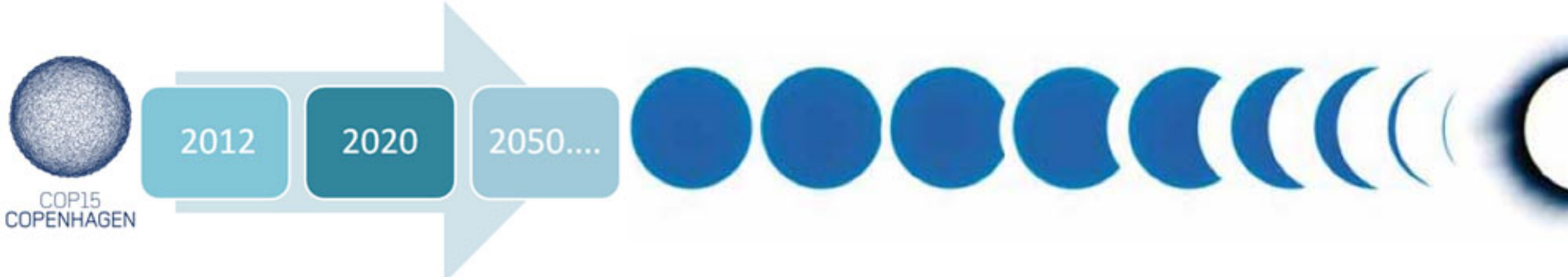


社團法人中華民國企業永續發展協會  
Business Council for Sustainable Development

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宏觀、創新、與眾不同

BCSD-Taiwan



## Business Actions post Copenhagen COP15

黃正忠 Niven Huang

Governance on Green Energy and Carbon Reduction

January 21<sup>st</sup>, 2009



Nopenhagen

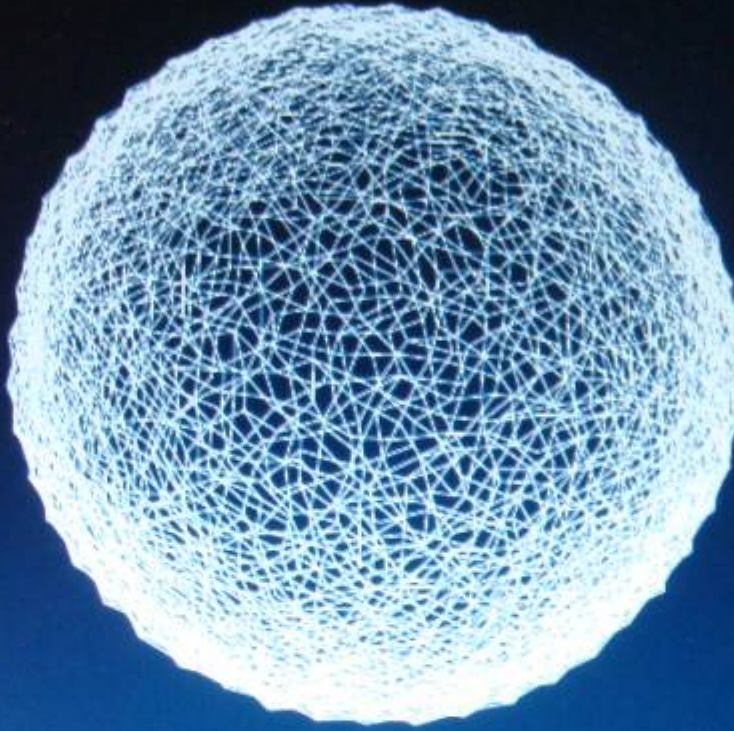
Brokenhagen

Hopenhagen

Copenhagen

# 2 years from Bali, nothing achieved by COP15

Anticipated:  
Political will  
agreement  
for moving  
forward



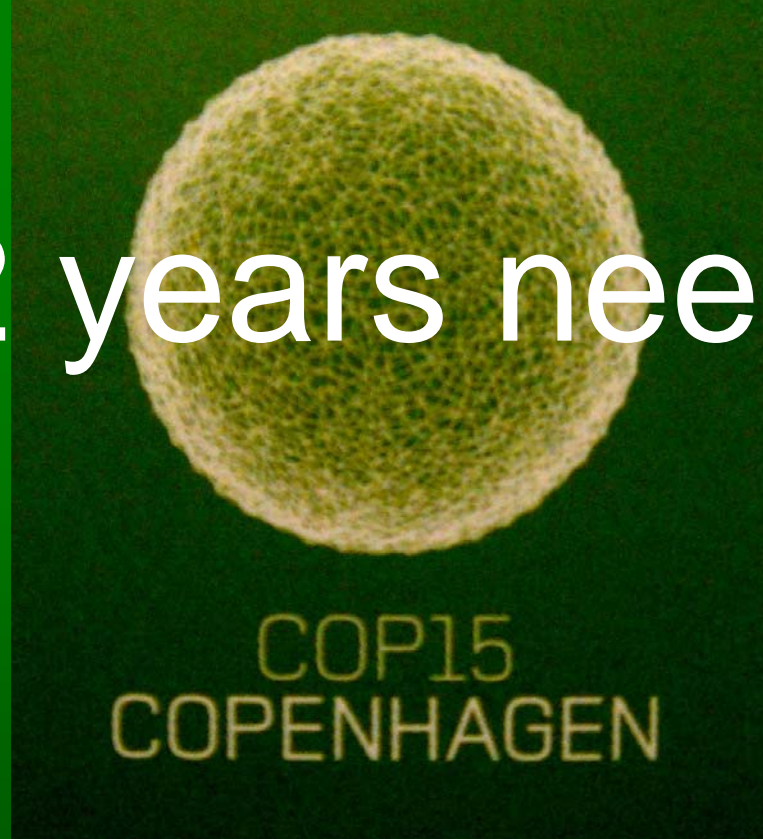
Eventually:  
Take notes of  
“Copenhagen  
Accord”

*The Conference of the Parties,*

*Takes note of the Copenhagen Accord of 18 December 2009.*

企業界的語言來說就是等同「意向書」(letter of intent)

# 1-2 years needed



Development/economic than environmental

Political than moral

G2 than north/south

- Climate change is a **political** issue
- It has been regarded as an **environmental** problem
- However, it is primarily an **economic** problem about sharing of benefits and costs in a way which is acceptable to national political constituencies.
- Do we have the **right guys** to talk about the right things?

Target is an issue of...

IF

**CDP**  
COASTAL DEVELOPMENT PARTNERSHIP  
BANGLADESH.

DON'T  
KILL  
KYOTO!

DON'T  
KILL  
KYOTO!

DON'T  
KILL  
KYOTO!

DON'T  
KILL  
KYOTO!

DON'T  
KILL  
KYOTO!

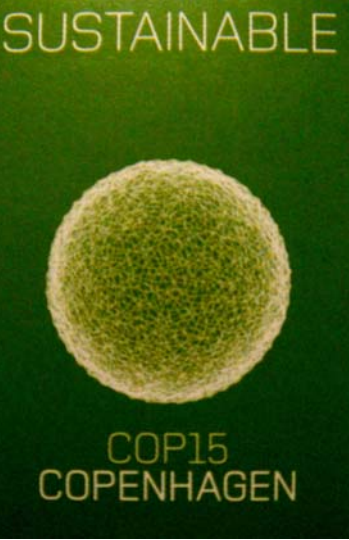
DON'T  
KILL  
KYOTO!

DON'T  
KILL  
KYOTO!

COUNTDOWN TO  
COPENHAGEN  
Time for climate justice

COUNTDOWN TO  
COPENHAGEN  
Time for climate justice

Hall CLOAKROOM




If CDM is dead....  
If not, let CDM be!  
We need more efficient mechanisms.



# Business Voices

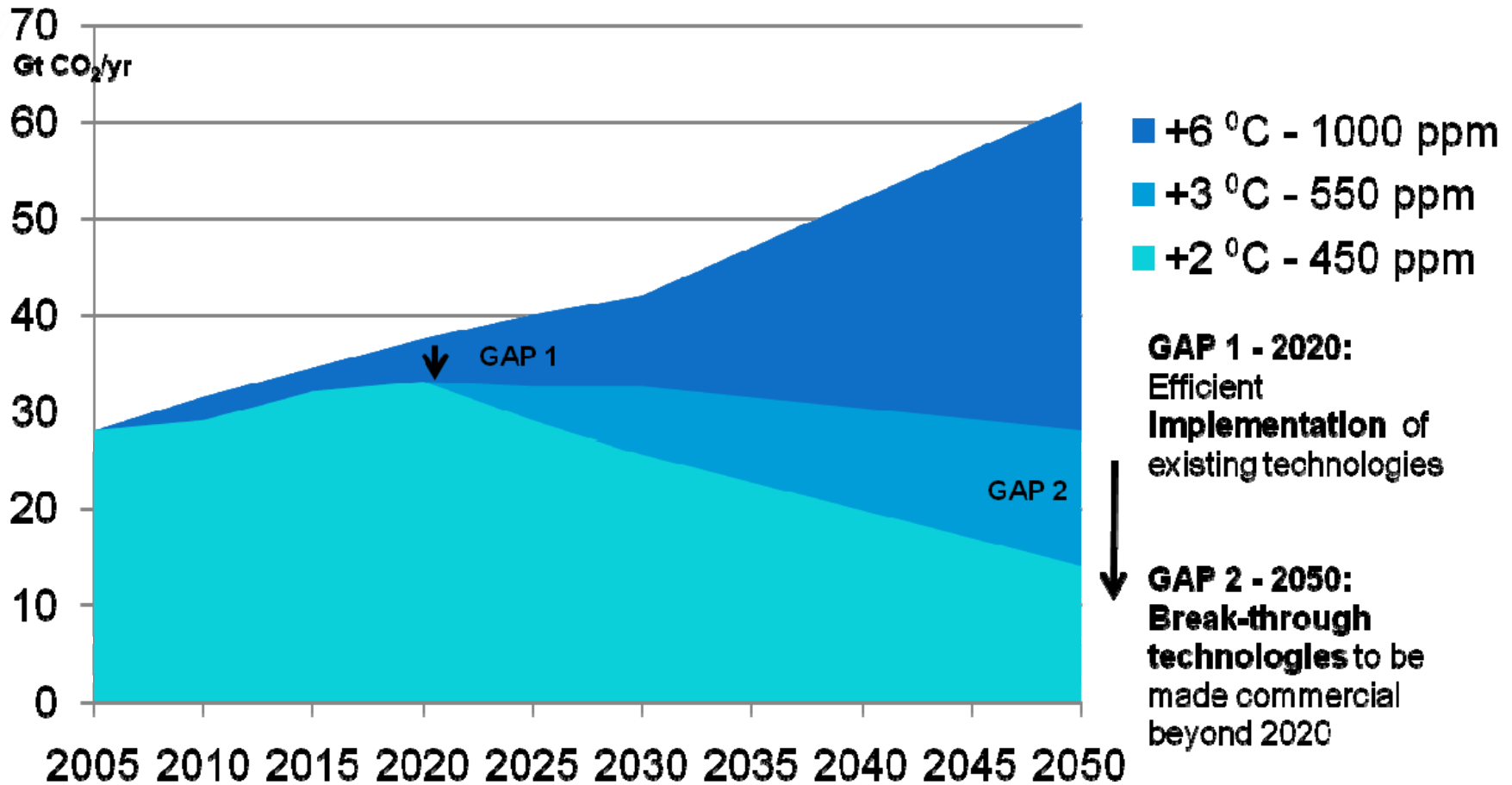
- Business should be engaged in the process
- Price the carbon is an inevitable trend
- Need right people for the negotiation

A large wind turbine with green and yellow blades stands in the ocean, with several smaller colorful wind turbines in the background. The sky is blue with some clouds, and the water is dark blue with whitecaps.

Unless a global long-term carbon market is ensured, large scale of carbon credit investment by business will not be expected.



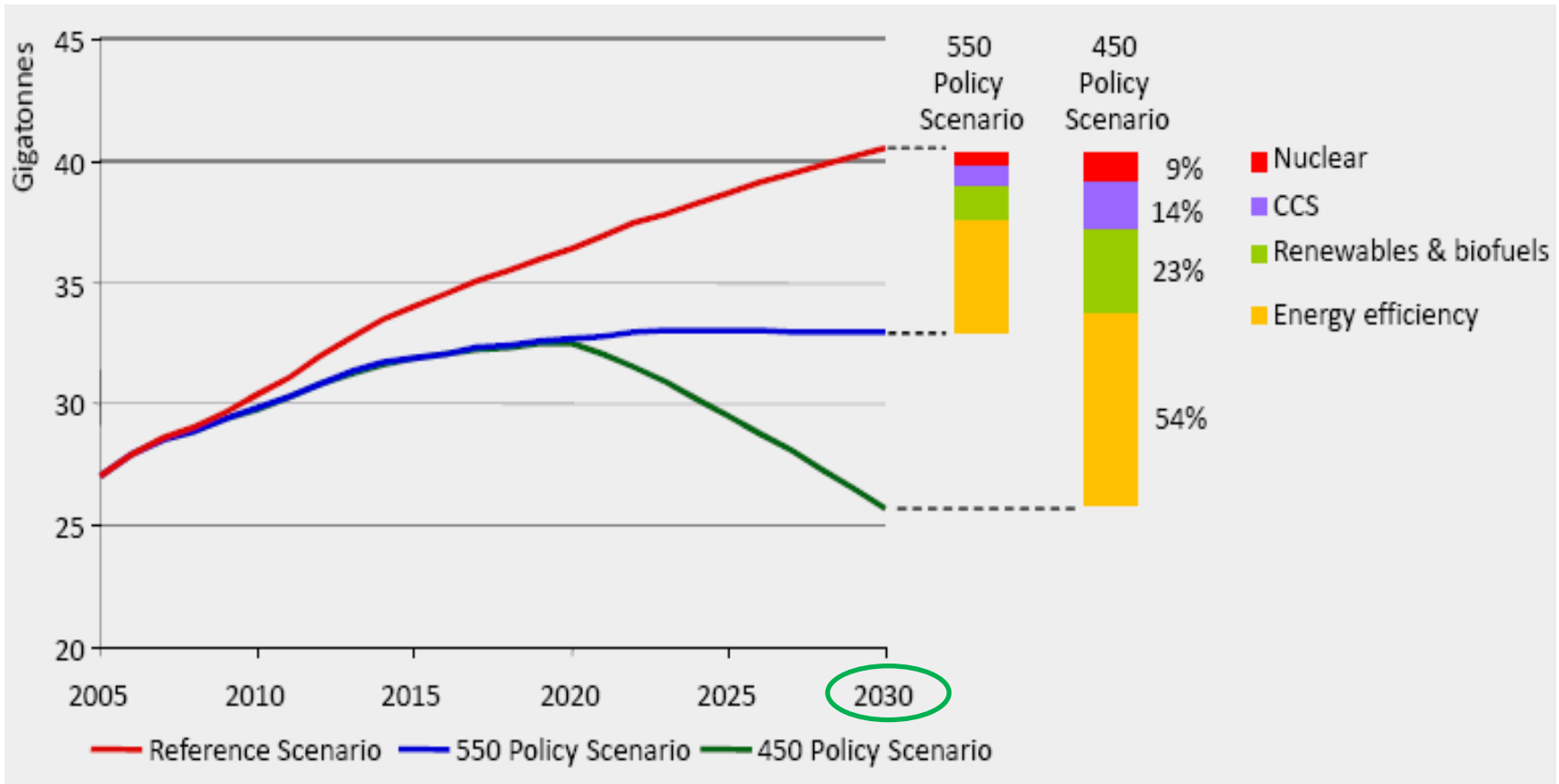
# Global Emission Scenarios



Source: IEA, ETP 2008



# Reductions in energy-related CO2 emissions in the climate policy scenarios



Source: IEA, WEO 2008. Presentation by Dr. Faith Birrell



# Copenhagen

## Business Day



**Business leading ACTION now**  
**Friday, 11 December 2009**  
**Confederation of Danish Industry Headquarters**

# 2050

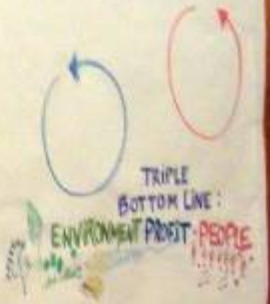
UN ESTIMATES  
WORLD POPULATION  
@ 9.22 BILLION!

"THE EVOLUTION OF A SPECIES  
IS INSEPARABLE FROM THE EVOLUTION  
OF ITS ENVIRONMENT."  
THE 2 ARE INSEPARABLE!



IF THERE'S NO ACTION

WORLD WIDE COST FOR ENERGY PRODUCTION	+50%
TRANSPORT	+80%
BUILDINGS	+50%
INDUSTRY	+50%
AGRICULTURE	+60%
FORESTRY	-50% (with note)



# 2020



# 2012

MITIGATION  
"BUSINESS AS USUAL = GLOBAL ENERGY RELATED CO2 EMISSIONS ARE PROJECTED TO INCREASE 81% BY 2050"

## ENERGY EDUCATION POVERTY TECHNOLOGIES

Demographics INFRASTRUCTURE Society ENVIRONMENT HEALTH

### CO2 EMISSION



# Key Takeaways from COP15

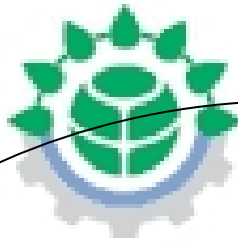
1. the need to find a new model for cooperation between governments and business
2. business is the key tool for implementation of actions but we need to better communicate business actions, contributions and success stories toward a low carbon economy

3. we need to revitalize our informal interactions with government all the time
4. we should engage more with individual countries via Taiwanese companies for verifying good case stories and learnings between countries
5. the support to developing countries in the form of technology and funding are key
6. green technologies are key for combating climate change.



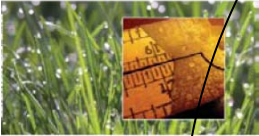
7. sectoral approaches will continue to be important for a level playing field in a world where a future climate agreement will most likely be made up of bottom up national action plans held together by some “loose umbrella”





World Business Council for Sustainable Development

The Greenhouse Gas Protocol



GHG Protocol

Project Protocol

Product and Supply Chain

Measuring to Manage:  
A Guide to Designing GHG  
Accounting and Reporting Programs



Copenhagen  
Business Day

Global carbon market does not mean UN market only!



**IETA**  
INTERNATIONAL EMISSIONS  
TRADING ASSOCIATION





# Systems Solutions

- Water, Energy, Climate & Food
- Urban Infrastructure
  - Buildings, transport, energy, water, waste
- “Smart Solutions” based on ICT
  - Electricity grids, mobility, logistics, appliances, buildings
- Sustainable Value Chains
  - Logistics
  - Consuming goods

# Suggestions to Government

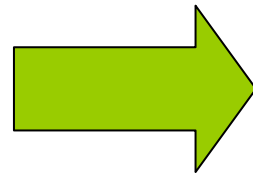
- Call for political leadership in Taiwan
- Call for comprehensive policy framework for Taiwan's low carbon future
- Business should be strongly engaged in the policy making process
- Need a model of low carbon development at national level

# Suggestions to Business

- Call for top management leadership in companies
- Call for integrated E&C strategy of corporate level
- Benchmark your competitors and buyers
- Capacity building via local, national or regional carbon mitigation program participation in the countries you operate
- Low carbon business model is the destination



- Carbon-constrained competition
- Resources-constrained competition



Low carbon  
innovation



- By focusing on resource efficiency, (in particular energy), natural carbon sinks (forests and land use) and national actions, with support for poor countries.
- R&D for taking CO<sub>2</sub> out of the air as a potential risk mitigation measure (CCS, use of CO<sub>2</sub>). This should be a global cooperation.
- Continued climate research to reduce uncertainties of potential climate outcomes.

# Practical Management Actions Needed -1

- A correct pricing of resource use.
  - Eliminate energy subsidies
  - A global carbon price
  - Create a value for natural carbon sinks
- Regulations where market mechanisms are not strong enough to
  - change behavior and investment patterns.
  - Buildings (building codes)
  - Land transport (fuel efficiency standards)



# Practical Management Actions Needed -2

- National action plans with a limited number of KPI's (Key Performance Indicators)
  - Energy intensity (energy use/GDP)
  - Carbon intensity (CO<sub>2</sub> emissions/GDP)
  - Forest cover (hectares)
  - Land use changes

# What should be part of a global climate agreement - 1

- A global ambition level for acceptable global warming
- Inventory of NAMA's (National Action Plans) based on common principles / KPI's
- A global carbon market based on connected national carbon markets, sectoral and programmatic actions via a global "docking station" setting out common principles.
- Sectoral roadmaps for technology, energy and carbon intensity.
- Continued climate science research and monitoring
- Global R&D efforts for taking CO<sub>2</sub> out of the air and for geoengineering.

# What should be part of a global climate agreement - 2

- Support to developing countries
  - Help with NAMA's
  - Establish local carbon markets
  - Support to facilitate private sector investments, primarily risk reduction measures.

# What should be part of a global climate agreement - 3

- Support for systems solutions
  - Energy, water, food, climate
  - Urban infrastructure
  - Global logistic systems
  - The energy system
    - Fuel mix, grid, renewable.

# What should be part of a global climate agreement - 4

- Credible long-term signals to investors and providers of financing that give them sufficient certainty to judge risks and the probability for acceptable returns on investments.

Thanks for your attention

[www.bcsd.org.tw](http://www.bcsd.org.tw)

[www.wbcd.org](http://www.wbcd.org)