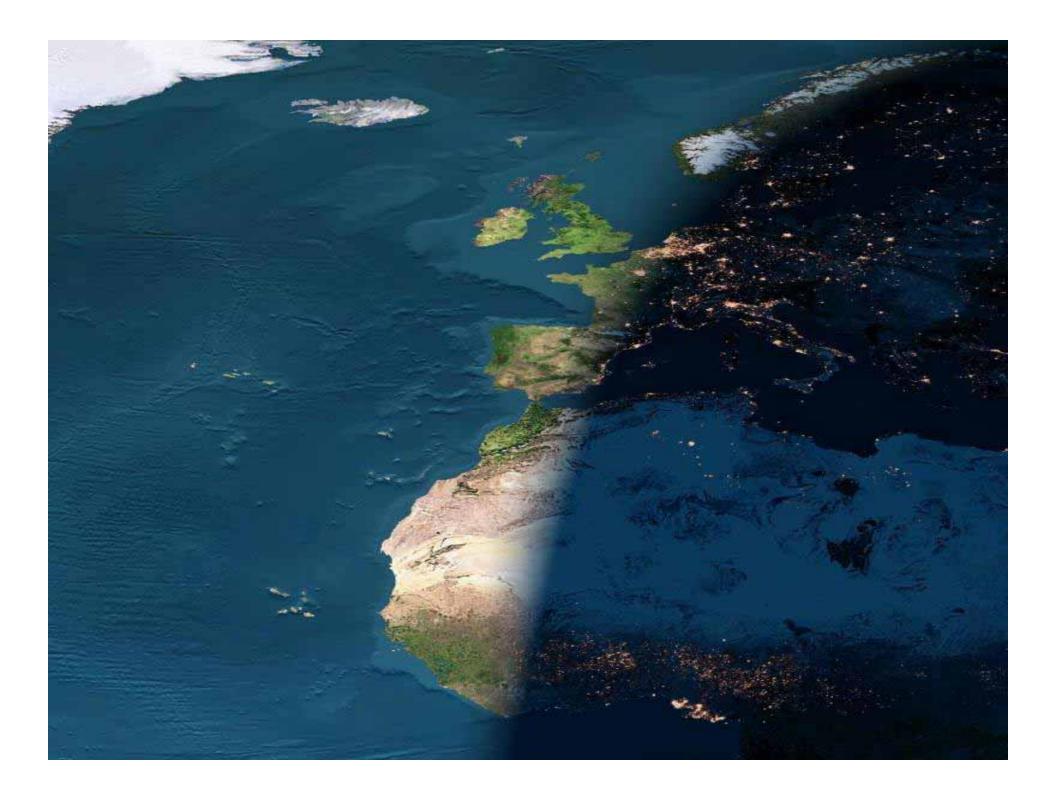


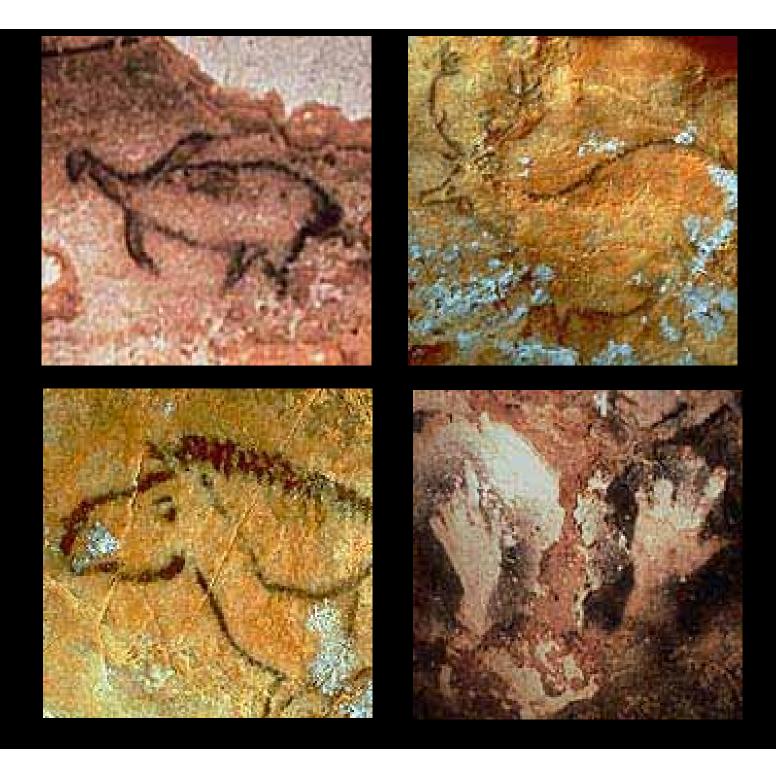


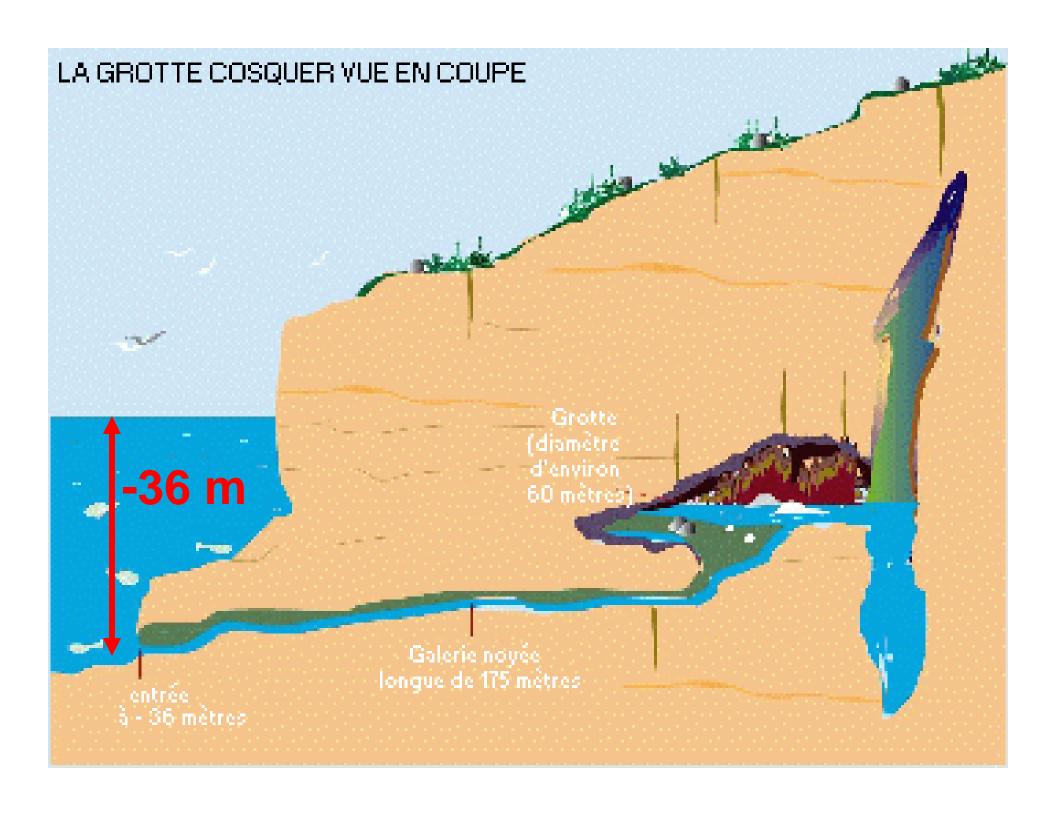
Role & Value of International Collaboration in promoting Energy Efficiency

Benoît Lebot, **Executive Director IPEEC**Capetown, DUE, March 31st, 2015









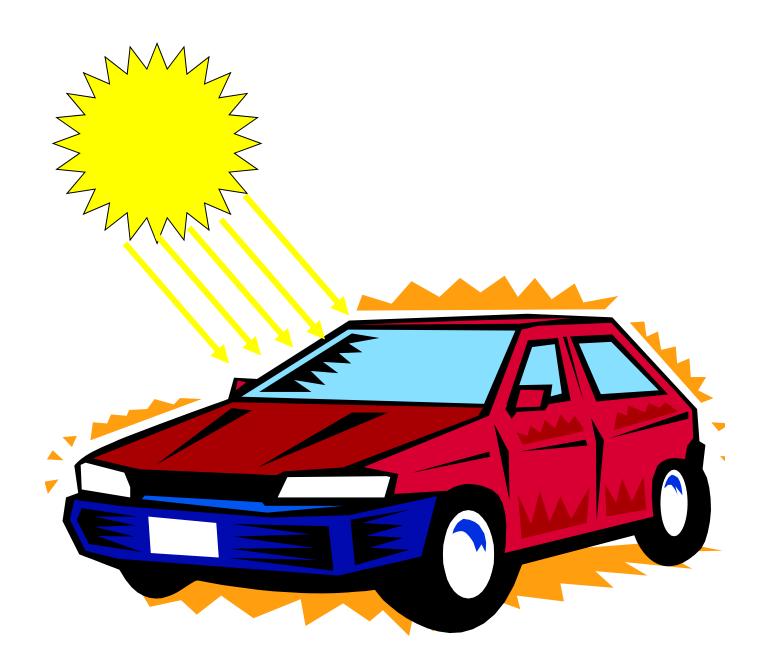
The Mediterranean 2015

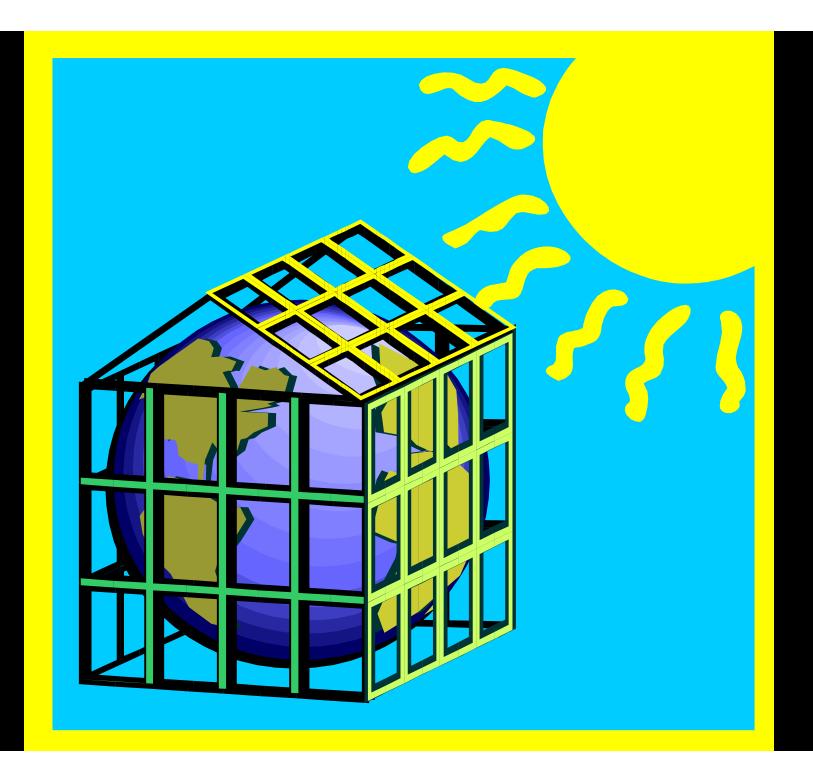


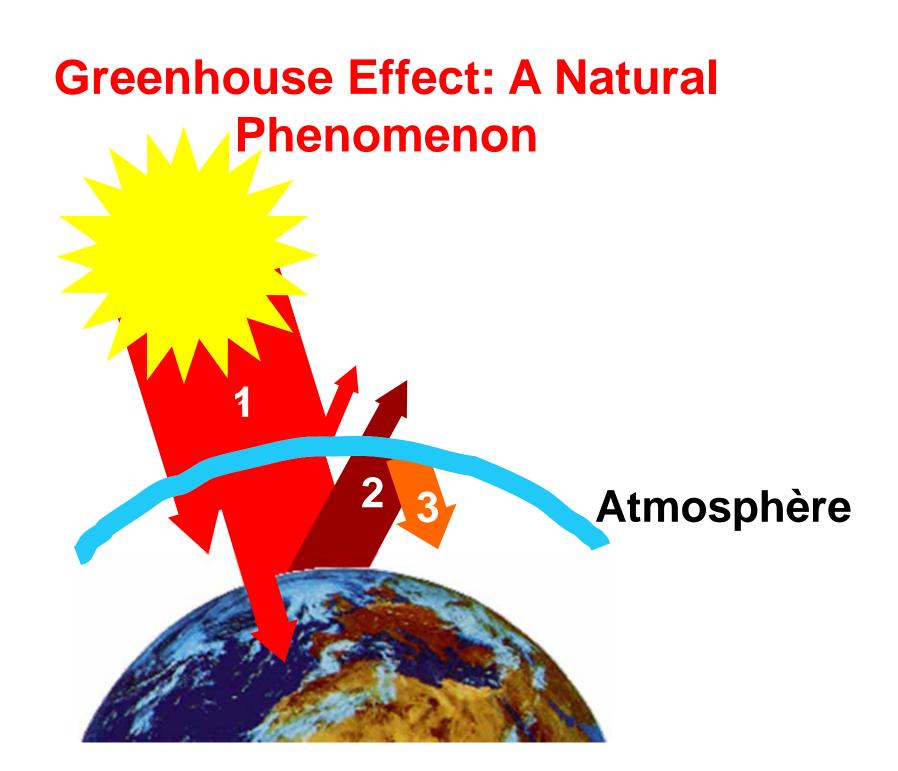
Source: GoogleEarth

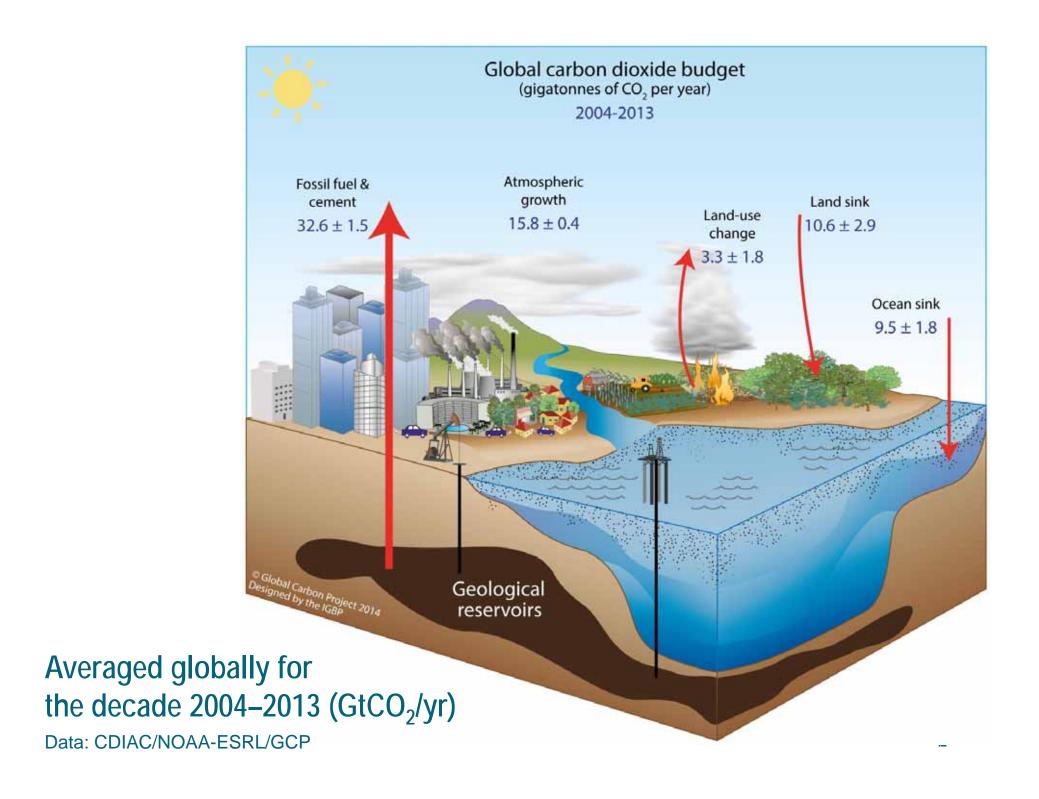
The Mediterranean see 15 000 years ago

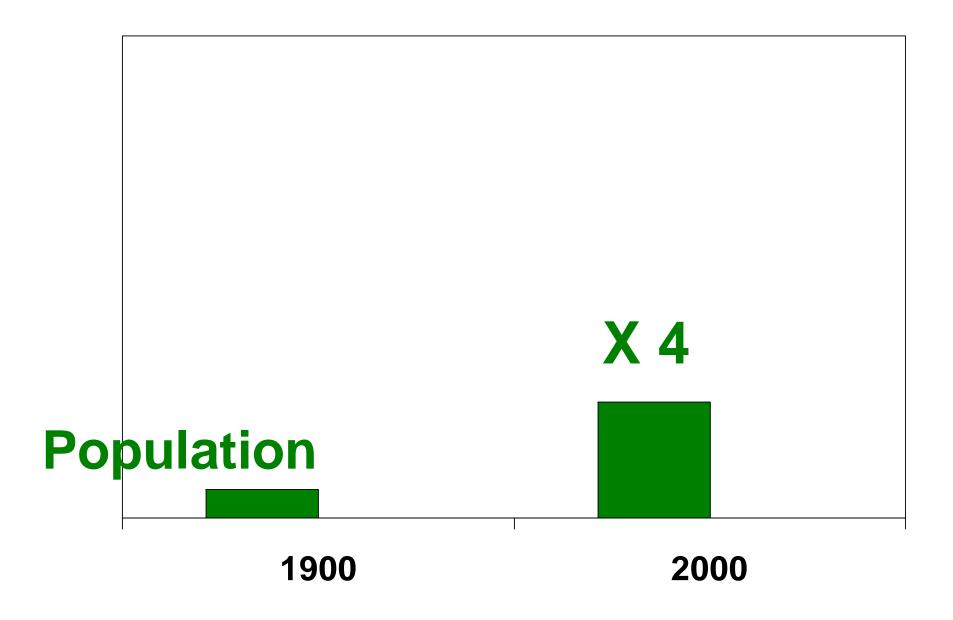


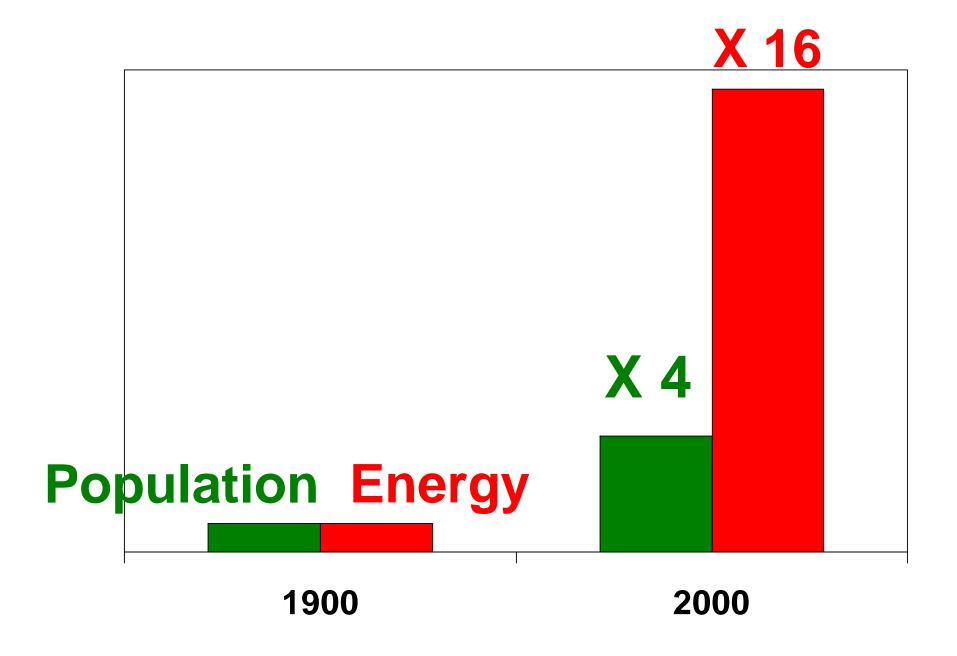


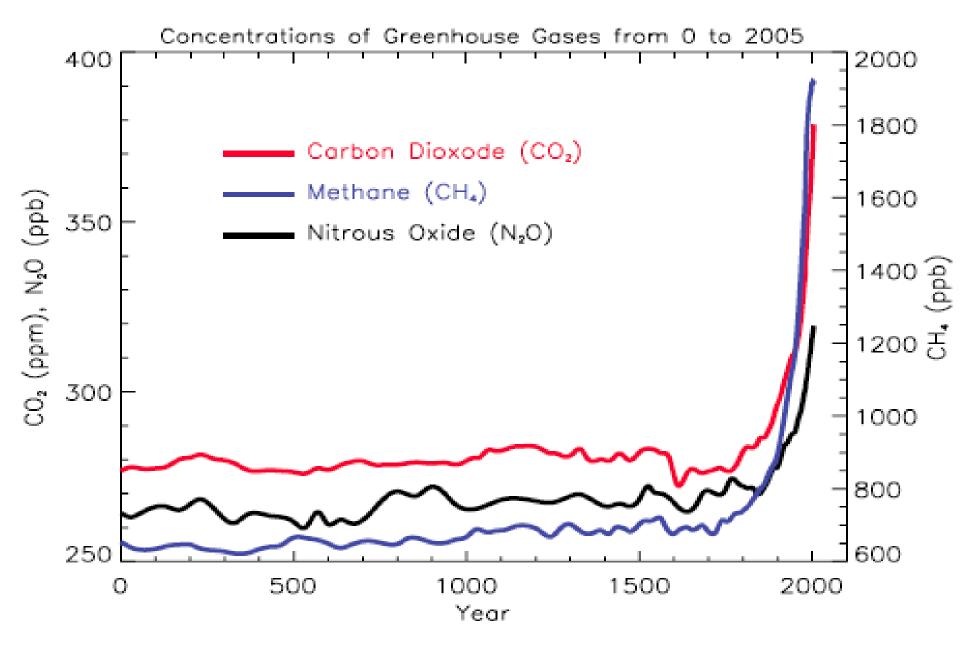




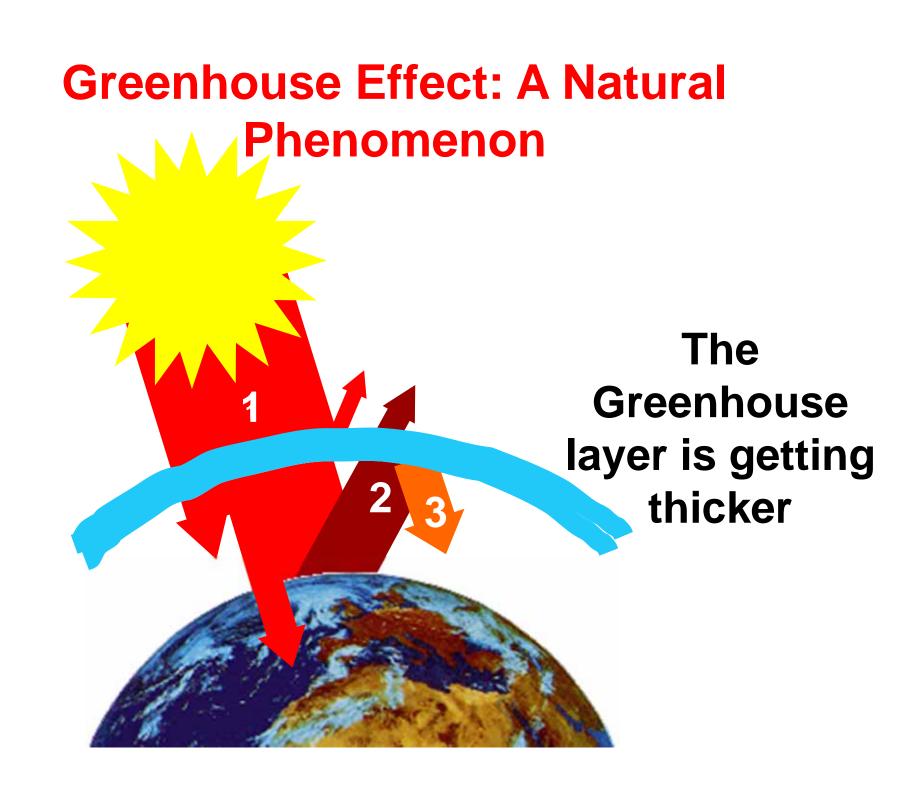








Source: IPCC (2007)



Ranking of the Warmest Years observed since 1880 (Ranked from the hottest record)

1	2014	11	2004
2	2010	12	2012
3	2005	13	2011
3	1998	14	2006
5	2013	15	2001
6	2003	16	2008
7	2002	17	1997
8	2006	18	1990
9	2009	19	1995
10	2007	20	2000

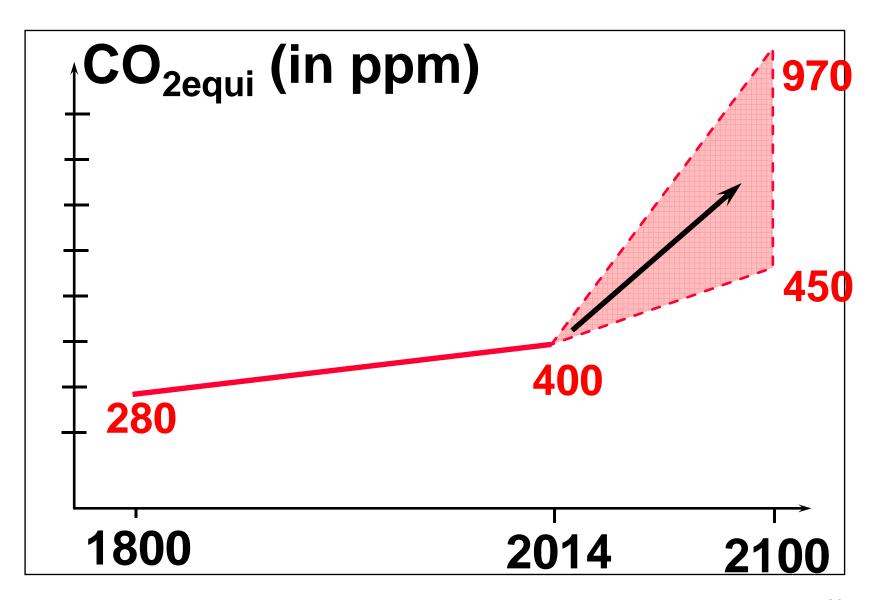
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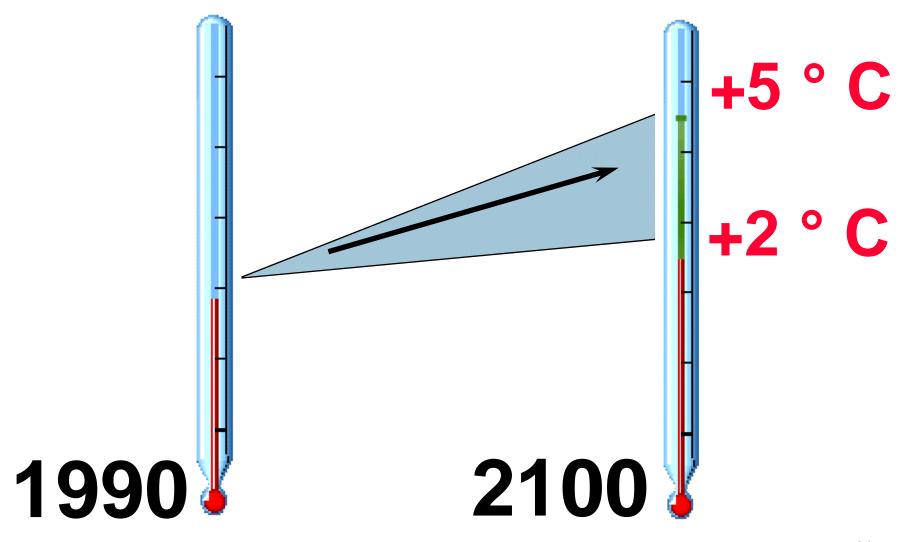
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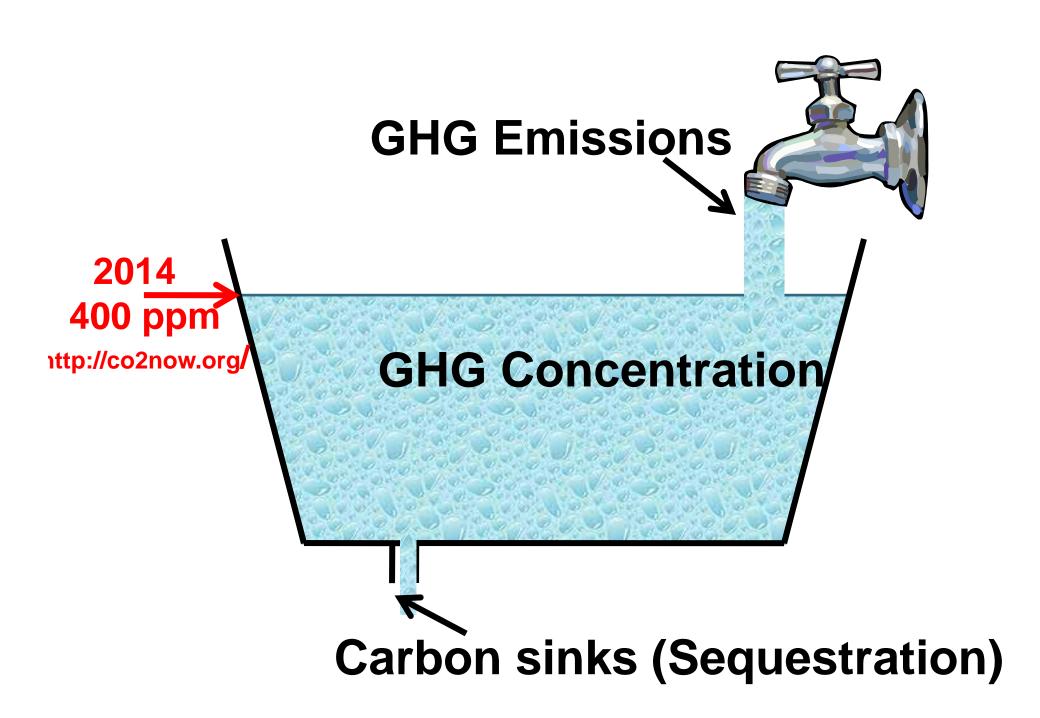
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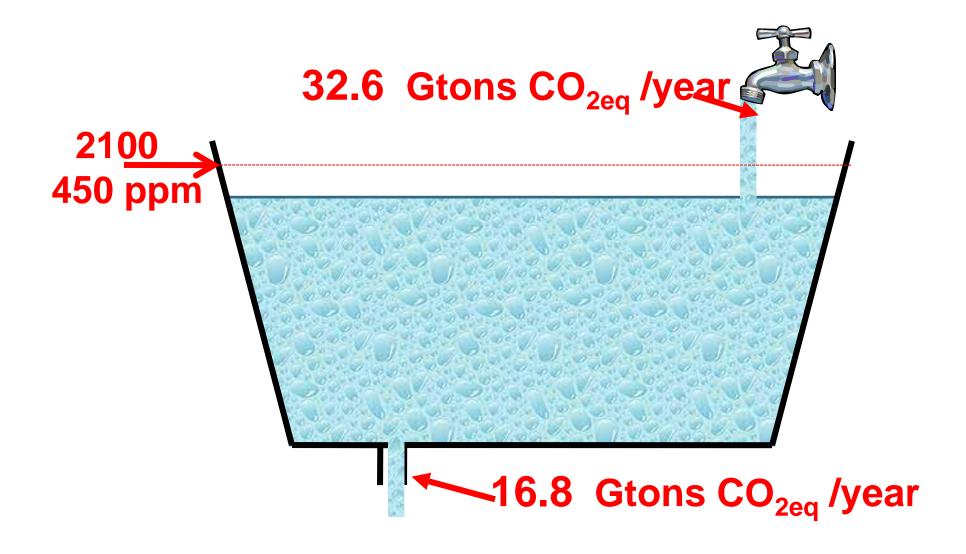
Projected Evolution of GHG concentration

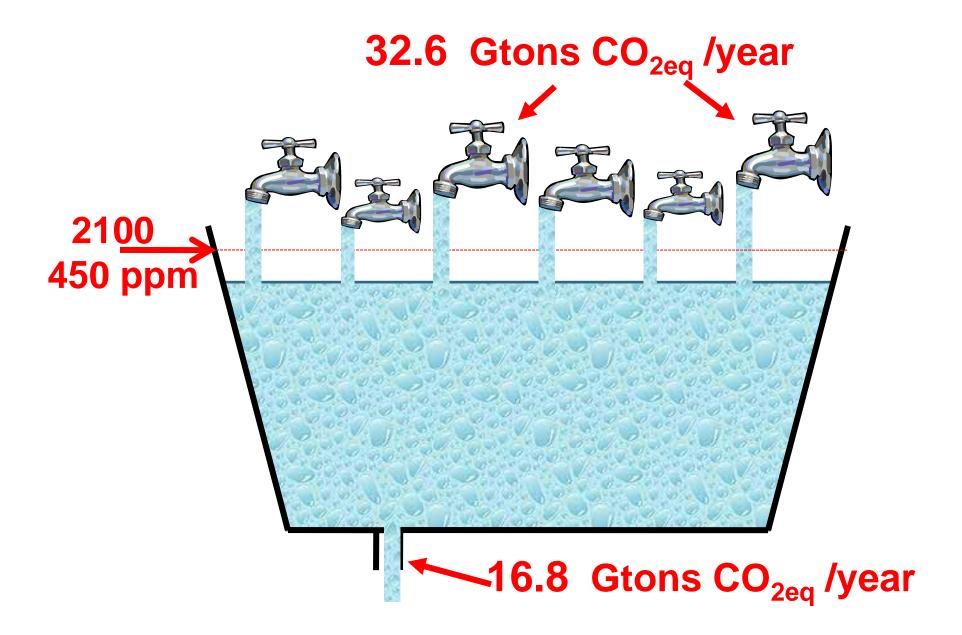


Possible Evolution of Earth Average Temperature over the next century

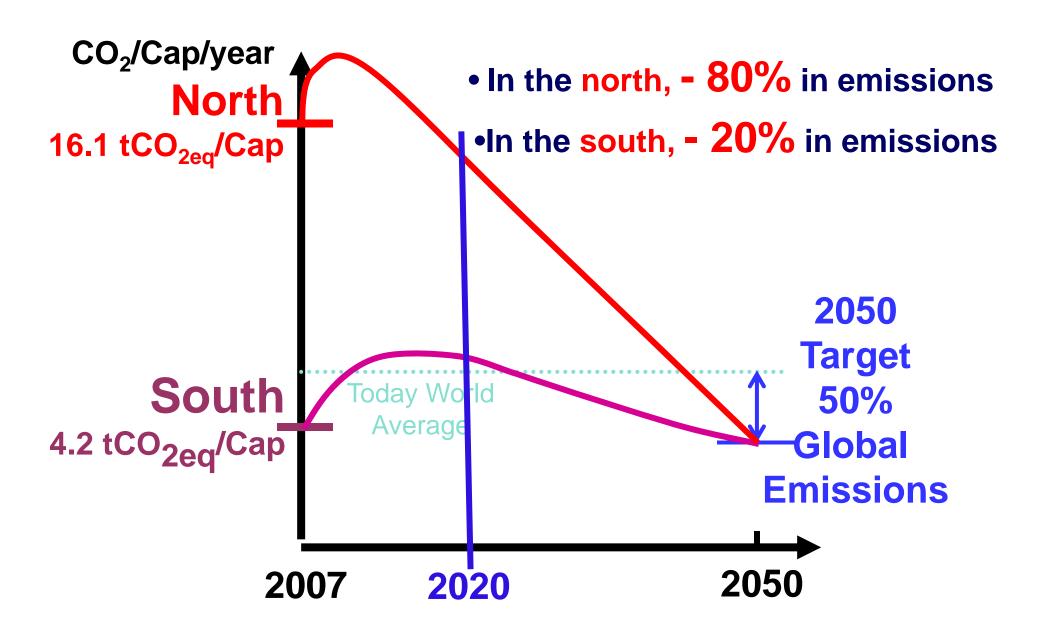




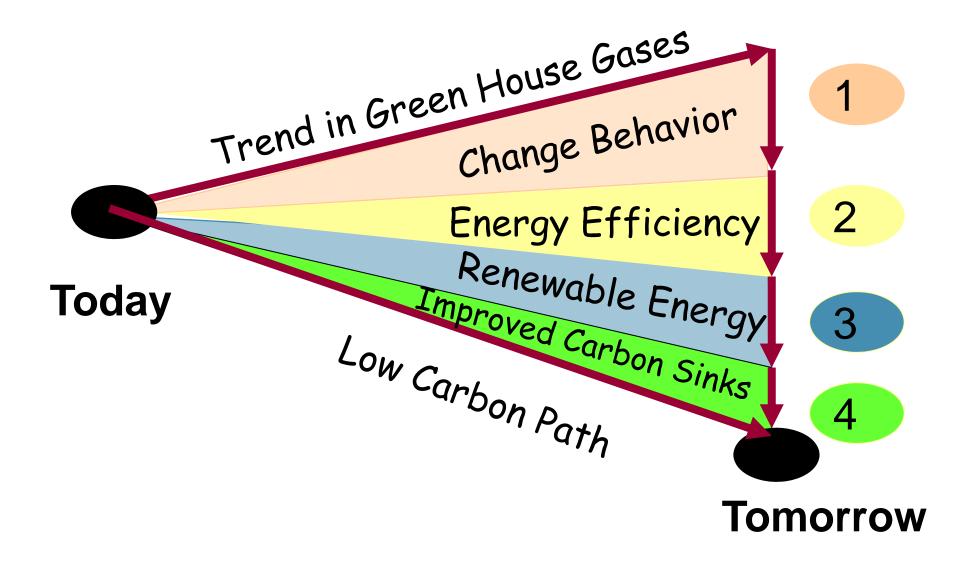




Pathway towards a 2 ° C Global Warming



Four wedges for a low carbon development



Mitigation Measures



More efficient use of energy



Greater use of low-carbon and no-carbon energy

Many of these technologies exist today



Improved carbon sinks

- Reduced deforestation and improved forest management and planting of new forests
- Bio-energy with carbon capture and storage



Lifestyle and behavioural changes

ARS WGH SPM

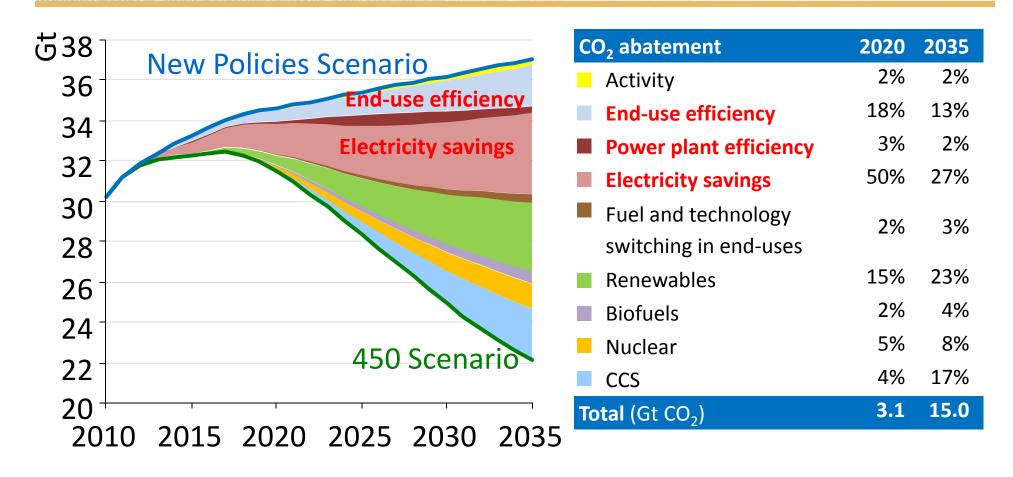




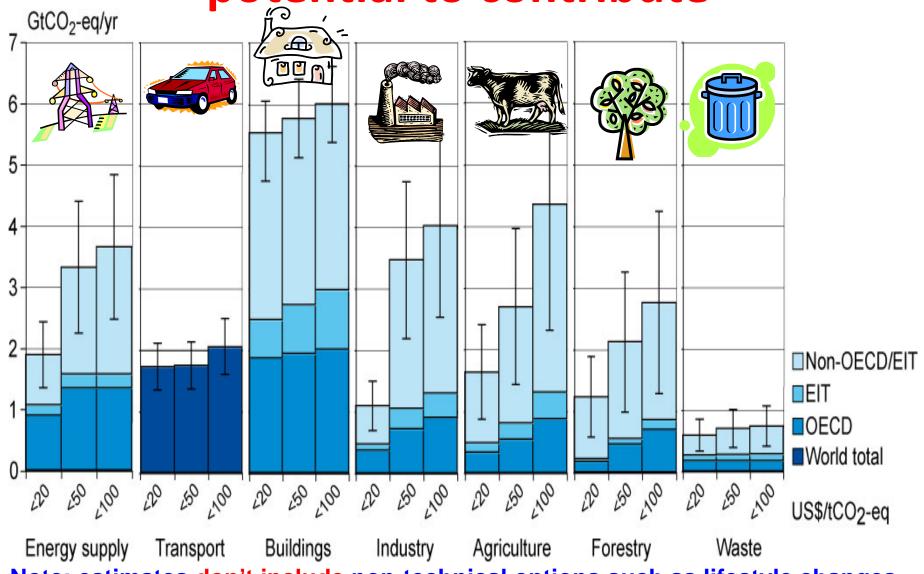


Global energy-related CO₂ emissions abatement in the 450 Scenario





All sectors and all regions have the potential to contribute



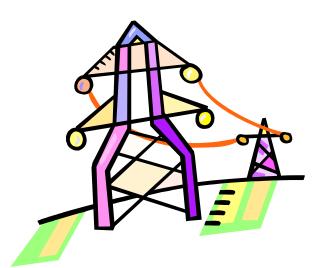
Note: estimates don't include non-technical options such as lifestyle changes





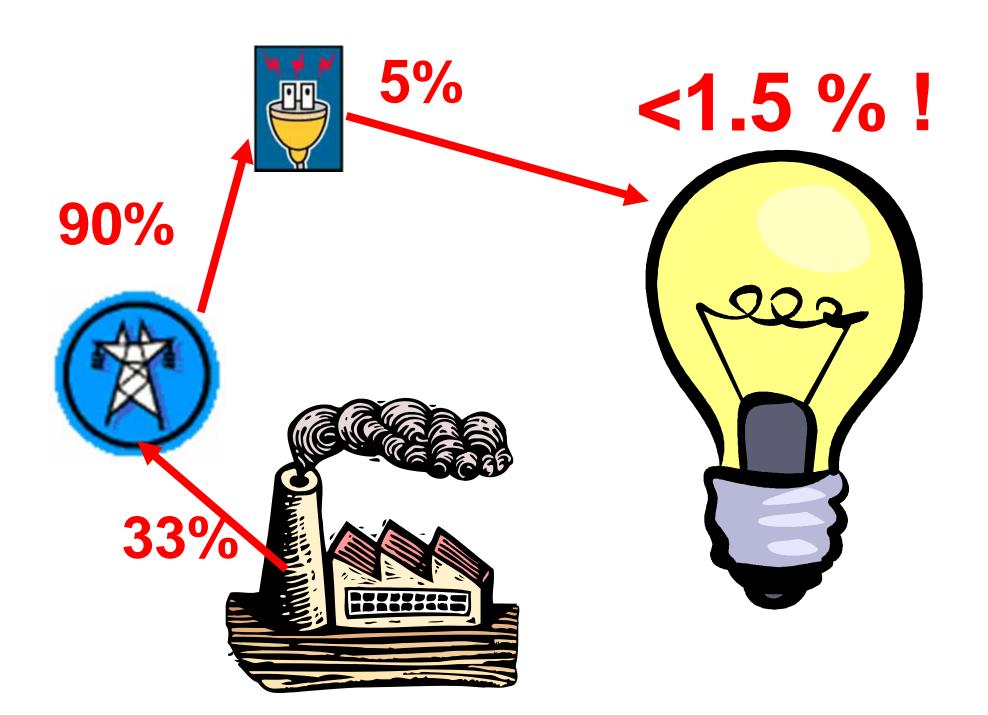


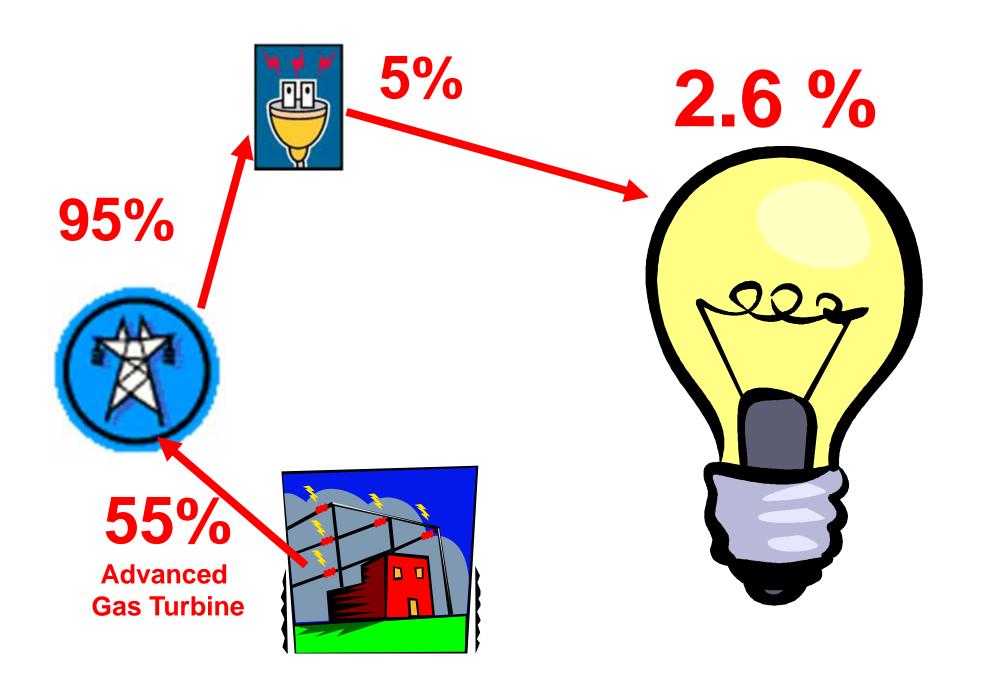


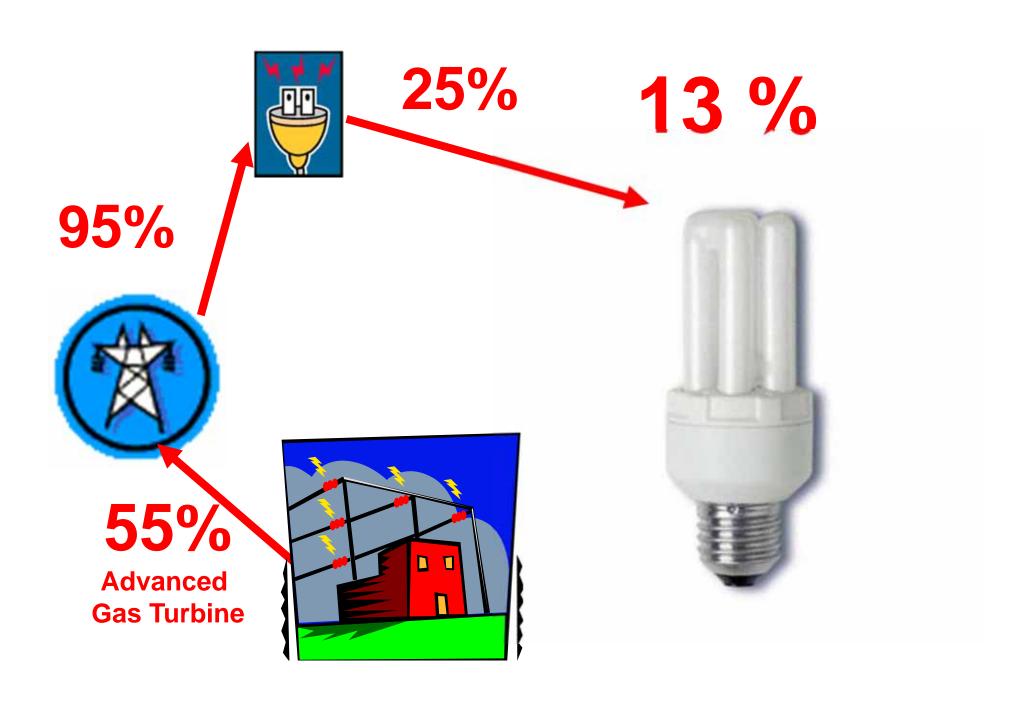


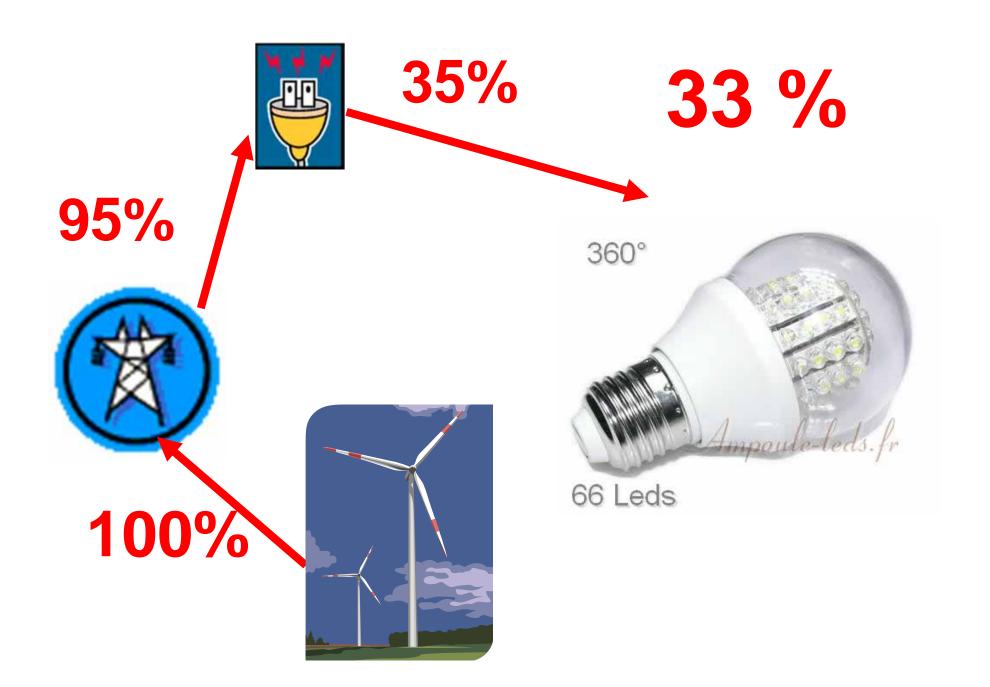














Banning incandescent bulbs has increased choice & variety of better products



What International Collaboration can do to promote energy efficiency?

Universal Benefits of energy efficiency



- Lower the energy bills (consumers, communities and societies)
- Reduced the Environmental footprint (local air pollution and climate change are the most challenging);
- Local and long lasting jobs creation (deep building renovation)
- In energy importing countries, EE enhance energy security;
- In energy exporting countries, domestic EE enhances export opportunities over time, increasing national revenues.

A favorable global policy context ip for energy efficiency



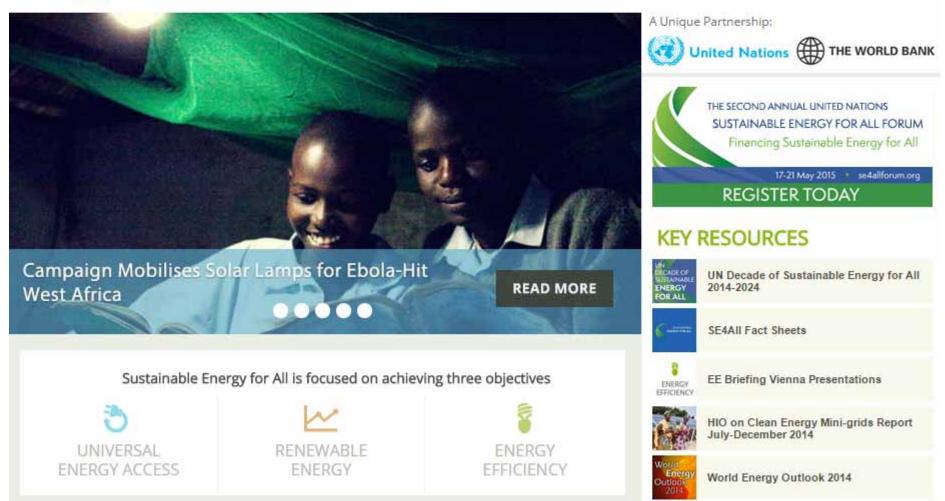
- EE on numerous local agenda (cities, regions).
- UNFCCC works on EE (TEC, COP21)
- IPEEC!
- UN Sustainable Energy for All (SE4All).
- Major Economies Forum (MEF).
- Clean Energy Ministerial (CEM).
- •G20



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http://www.se4all.org/



Accelerating the Transition to Clean Energy Technologies



Contact Us

SEAD Television Awards
Accepting nominations through 31 March

CEM initimprove energy growth.

The Clean Energy Ministerial is a global forum to share best practices and promote policies and programs that encourage and facilitate the transition to a global clean energy economy.

About

CEM initiatives help reduce emissions, improve energy security, provide energy access, and sustain economic growth.

Dur Work



News



Wednesday, March 18, 2015
Solutions Center and Partners
Launch Free E-Learning Course
on Renewable Energy



Tuesday, March 17, 2015 Joint IEA-CEM Workshop Explores Role of CHP and DHC in Sustainable Energy Systems

http://www.cleanenergyministerial.com/



ABOUT

MEETINGS

Announcements

Major Economies Forum



The Major Economies Forum on Energy and Climate (MEF) was launched on March 28, 2009. The MEF is intended to facilitate a candid dialogue among major developed and developing economies, help generate the political leadership necessary to achieve a successful outcome at the annual UN climate negotiations and advance the exploration of concrete initiatives and joint ventures that increase the supply of clean energy while

http://www.majoreconomiesforum.org/

IPEEC's Vision



A world where key national policy makers view energy efficiency (EE) as a resource and implement cost effective policies to promote it.



IPEEC is an Autonomous Entity



Members account for over 75% of world GDP



IPEEC Secretariat is located in Paris, France

IPEEC's Mission



Accelerating the adoption of EE policies and practices through international cooperation and information sharing on policy analysis, programs, tools, and proven practices.

http://www.ipeec.org/



G20 ENERGY EFFICIENCY ACTION PLAN

VOLUNTARY COLLABORATION ON ENERGY EFFICIENCY

16 NOVEMBER 2014





3 New Areas of Collaboration:

Transport: Heavy Duty Vehicles

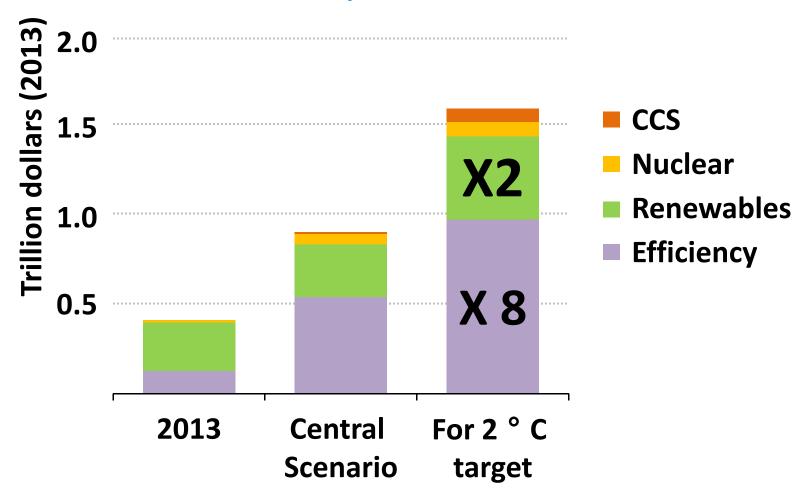


EE Finance: Enhancing Capital Flows

EE in networked devices



Average annual low-carbon investment, 2014-2040







Accelerating 3 Existing Collaborations:

• EE in Buildings: Improving Metrics and Performance



Industrial Energy Management



EE in Electricity Generation



International Energy Efficiency Standards contribute to



- Greater Market Transparency
- Reduced Costs for Product Testing & Design
- Set common metrics
- Enhanced Prospects for Trade & Technology Transfer
- Reduced Cost for developing
 Government & Industry Program

Ingredients for a successful EE policy (1):



- Policy Framework (a national law).
- Dedicated human resources (institutions or existing departments).
- Dedicated financial resources.
- Lots of patience...

Ingredients for a successful EE policy (2):



- Dedicated statistics with significant investments in data collection.
- Multiple complementary tools & instruments:
 - >technical standards PLUS
 - →financial/fiscal measures PLUS
 - →communication PLUS... etc

Ingredients for a successful EE policy (3):



- Good balance between National & Local implementation.
- When appropriate, line up with international or regional dynamics.

Conclusion



- Energy Efficiency is a key component of the necessary energy transition, in all economies.
- Pathways for greater Energy Efficiency:
 - **→ Build Capacity & institutions for EE;**
 - →Put in place relevant policy framework (EE Standards, Codes, Ratings) & set targets;
 - → Mobilize financial sector.
- International Cooperation can enhance the deployment of Energy Efficiency.

Energy Inefficient Products & Systems to Museum



All over the World!



Thank you

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