



COMBAT CLIMATE CHANGE

A Business Leaders' Initiative

3C (Combat Climate Change) – A Business Leaders' Initiative

Technology Push: Headline messages for policy makers

Workstream chaired by MAN Turbo



Tech Push: Summary recommendations

1. A new global framework should recognise the promising technologies that are known today, and provide appropriate support for commercialisation.
2. If public policy provides a general framework and guidance, customers will be able to chose winning technologies.
3. The business community can contribute beyond investment – governments should see business as a partner in Research, Development & Deployment



Key challenge: Supporting promising technologies

A new global framework should recognise the promising technologies known today ...

... and provide the relevant support for commercialisation

1. Efficient generation including Combined Heat and Power

Deploy Now

- Technologies well understood
- Legal, permitting, and infrastructure support needed
- Partnerships to stimulate investment
- Bigger and smarter grids can facilitate other solutions (wind, solar, efficiency increase)

2. Transmission and smart grids

3. CO2 capture and storage

Demonstrate Now

- Major acceleration of public support needed on all aspects
- Incentives required for demo plants

4. Next-generation power and fuels

Develop Now

- Public financing of R&D: Menu of options could include solar photovoltaic, 2nd generation biofuels, 4th generation nuclear, energy storage technologies
- As technologies mature, migrate support to deployment (legal, permitting, infrastructure)
- Technology-neutral, and temporary, subsidies for technologies that have 'left the lab'

5. Energy storage



Key challenge: Appropriate policy support

If public support provides a general framework and guidance ...

1. Clear and predictable guidelines



- E.g. Clear, long-term, technology-neutral objectives within sectors

2. Continuous benchmarking of technologies



- How do technologies under development stack up against policy objectives?

3. Reliable legal framework



- What will be acceptable, when and where?

4. Incentives and liability protection for R&D and demonstration



- Overcome first-mover disadvantage

5. Technology-neutral user stimulus including phase-out







- Temporary market priming

... the customer will be able to chose winning technologies



Key challenge: Integrating the efforts of business

The business community can help to ...

1. Define the technological options and impacts 
 - In collaboration with the research community, e.g. Abatement Maps
2. Describe the path to commercialisation 
 - In support of public benchmarking of technological progress
3. Build platforms that encourage public understanding and acceptance of technologies 
 - E.g. through business networks, communication campaigns, public outreach
4. Improve regulatory frameworks over time 
 - Via policy recommendations, especially on shared platforms

Governments should see business as a partner in Research, Development & Deployment