at IEA Workshop
Industry/business use of complementary measures for decarbonisation
Paris, 22 June 2015

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hosted by UNEP
A Partnership: 104 Partners globally.

13 IGOs
45 NGOs
47 governments

*April 2015
… taking action through 7 sectoral & 4 cross-cutting initiatives…
... to reduce SLCPs and achieve multiple benefits

**Short-lived Climate Pollutants**

<table>
<thead>
<tr>
<th>Short-lived Climate Pollutants</th>
<th>Anthropogenic Sources</th>
<th>Lifetime in Atmosphere</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black Carbon (BC)</td>
<td><img src="image1" alt="Anthropogenic Sources" /></td>
<td>Days</td>
</tr>
<tr>
<td>Methane (CH₄)</td>
<td><img src="image2" alt="Anthropogenic Sources" /></td>
<td>12 years</td>
</tr>
<tr>
<td>Tropospheric Ozone (O₃)</td>
<td><img src="image3" alt="Anthropogenic Sources" /></td>
<td>Weeks</td>
</tr>
<tr>
<td>Hydrofluorocarbons (HFCs)</td>
<td><img src="image4" alt="Anthropogenic Sources" /></td>
<td>15 years (Weighted by usage)</td>
</tr>
</tbody>
</table>

2.4 m death avoided annually

52 m tonnes of crop losses avoided

0.6 °C avoided warming
Strengths

- Multi-stakeholder, Voluntary, Partner-led
- Science-based

- Leverage high-level political will
- Fast action, drawing on a to date 60 million USD Trust Fund

- Focus on a manageable number of concrete actions

- Near-term climate mitigation and complementarity to long-term climate mitigation; LPAA and INDCs
- Contribution to SDGs
Example: CCAC Municipal Solid Waste Initiative

Why
- Landfills are the 3rd largest anthropogenic source of methane
- Potential to reduce up to 800M tCO2e p.a.
- Significant co-benefits, including health, poverty reduction and job creation

What
- Move cities up the waste hierarchy
- Eliminate non-sanitary landfill disposal
- Capture and utilize landfill gas
- Implement commercial waste collection
- Reduce organics disposal
- Reduce waste generation per capita
  - Eliminate open burning of waste
Commitment UN Secretary General’s Climate Summit

- By end 2015, 50 cities will commit to develop and implement plans of action to reduce SLCPs from waste by 2020 with Government support
- By end 2020, expand the global city network by 100 additional cities to build capacity and utilize the network’s tools and resources
- The 150 cities will motivate and lead up to 1,000 cities by communicating, sharing, disseminating, mentoring, and scaling up around the world their own best practices supported by Partners.

SCALE UP

- Leverage a global city network Partners.
- Work with National Government to scale-up city action through enabling policy frameworks
- Build Capacity for sustainable solutions and to assist cities to collect reliable waste data and to develop financially sound projects
- Accelerate direct access to financing for faster project implementation
CCAC Municipal Solid Waste Initiative - Expansion

2015 Target: To Benefit up to 200 Million lives
Example: CCAC Oil and Gas Initiative

Why

- Oil & gas sector is the 3rd largest anthropogenic source of methane;
- CH4 reductions from upstream Oil & Gas is 1 of the 4 global GHG mitigation opportunities (IEA)
- Expected increased role for gas
- Avoid waste of a resource
- Data situation patchy

Core Sources of Emissions

1. Natural Gas Driven Pneumatic Controllers & Pumps
2. Fugitive Equipment and Process Leaks
3. Centrifugal Compressors with “Wet” (Oil) Seals
4. Reciprocating Compressor Rod Seal/Packing Vents
5. Glycol Dehydrators
6. Hydrocarbon Liquid Storage Tanks
7. Well Venting for Liquids Unloading
Commitment UN Secretary General’s Climate Summit
  
  - Implementation Plan after 6 months (confidential) incl. list of participating assets, expected pace
  - Survey (mapping) participating assets for 9 core sources
  - Determine state of control as per CCAC technical guidance
  - For “unmitigated” sources discovered
    - Quantify emissions
    - Evaluate cost-effective control options
    - Implement feasible control opportunities
  - Annual report to CCAC – held as confidential by UNEP
  - Company-specific report of select data publicized on CCAC.org

Founding Partners
  BG Group, ENI, PEMEX, PTT, Southwestern Energy, Statoil and Total

Technical Partners
  Environmental Defense Fund, US EPA’s Natural Gas Star
  Global Methane Initiative, WP Global Gas Flaring Reductions Initiative
Important features

- Flexibility (company selects participating assets, decides pace of implementation) and Recognition of prior actions
- Platform for peer to peer learning
- Reporting format – aim to synchronise with other reporting and disclosure standards;
- Any changes to OGMP are by consensus
- No membership fee

CCAC support

- Technical support/capacity building: site surveys, emission calculations, evaluating mitigation opportunities (building on GMI)
- High-level opportunities for recognizing efforts
- CCAC governments can help address
CCAC Framework for Demonstrating Impacts indicators for reporting along the theory of change

- Awareness raising
- Capacity Support and training
- Identification, development, implementation of policies and regulation
- Scale up of sound practices
- Mobilising finance
- Emission reductions of major SLCPs
- Multiple benefits

- Quantitative and qualitative
- Internal and external objectives
- Complemented by ‘Partners in Action’ Process