

WELCOME TO THE WORKSHOP

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INTERNATIONAL PROJECT MANAGER



INTERNATIONAL CENTRE FOR
SUSTAINABLE CARBON

PRESENTATION OUTLINE

- Who we are and what we do
- Aims and deliverables of the project
- Welcome to the workshop!



INTERNATIONAL CENTRE FOR
SUSTAINABLE CARBON

Technology Collaboration Programme
by **iea**



DR LESLEY SLOSS
FRSC FIENVSCI CENV

International Project
Manager



WHO WE ARE AND WHAT WE DO



INTERNATIONAL CENTRE FOR
SUSTAINABLE CARBON

Technology Collaboration Programme

by **iea**

- We are dedicated to providing independent information and analysis on how biomass, coal and other carbon sources can become cleaner sources of energy, compatible with the UN Sustainable Development Goals
- The International Centre for Sustainable Carbon (ICSC) is part of a network of autonomous collaborative partnerships focused on a wide range of energy technologies known as Technology Collaboration Programmes (TCPs)
- The TCPs are organised under the auspices of the International Energy Agency (IEA), but are functionally and legally autonomous
- We are funded by national governments (contracting parties) and by corporate industrial organisations (sponsors)



ICSC ACTIVITIES

- Independent, peer-reviewed studies, disseminated through our web-based system
- Regular webinars and blogs that support the published studies
- Outreach activities which focus on sustainable energy issues, including capacity building and training
- Major focus on support for developing countries and industrialising nations



Register for all free downloads at: www.sustainable-carbon.org

**US STATE DEPARTMENT
FEDERAL ASSISTANCE AWARD**



***CAPACITY BUILDING IN SOUTHEAST
ASIA TO REDUCE MERCURY AND
OTHER POLLUTANT EMISSIONS FROM
THE COAL COMBUSTION SECTOR***

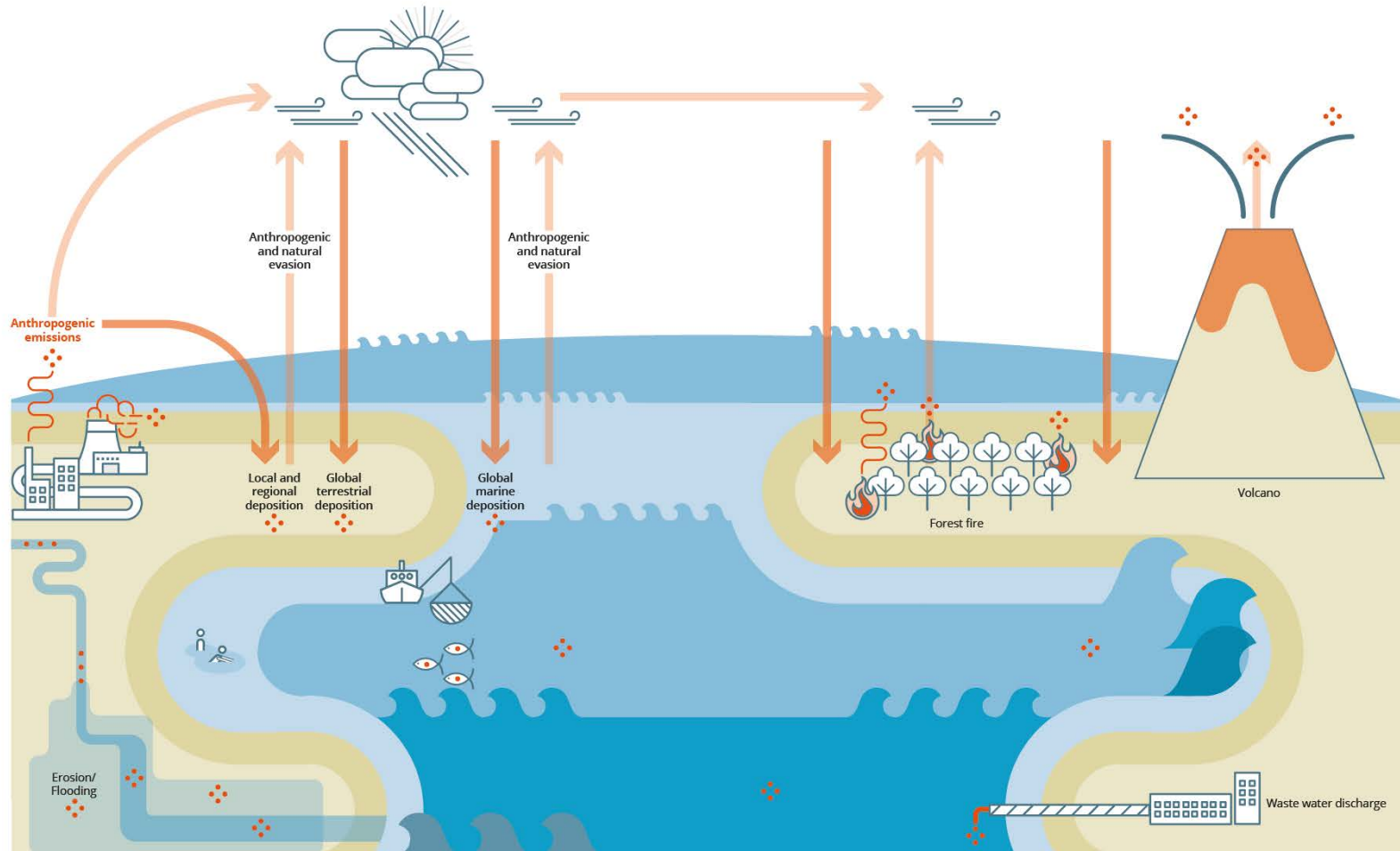


<https://www.sustainable-carbon.org/outreach-programme/>

The global mercury cycle

Mercury is a naturally occurring substance, but in its natural state it is not generally freely available in the environment and does not present any significant risk. There are some natural activities which result in release of mercury (such as volcanoes), however human activities have resulted in much larger amounts of mercury being introduced into the environment, where this mercury can remain in circulation for

thousands of years in a process known as 'the global mercury cycle'. More specifically, mercury in water is the primary concern, as this is where the highly toxic methylmercury is formed. This is easily taken up by animals in the marine environment and thus finds its way into the human food chain.



Note: Evasion refers to the process of re-emission of gaseous mercury from surfaces such as soil and water.

MINAMATA DISEASE

Methylmercury poisoning:

- Mercury concentrates through the aquatic food chain, causing elevated levels in some larger fish
- A high-fish diet can lead to elevated methylmercury
- Methylmercury is particularly damaging for developing brains – pregnant and breast-feeding mothers are advised to monitor intake of some fish from some regions



The UN Minamata Convention

The Minamata Convention on Mercury is a global treaty to protect human health and the environment from the adverse effects of mercury.



143
PARTIES



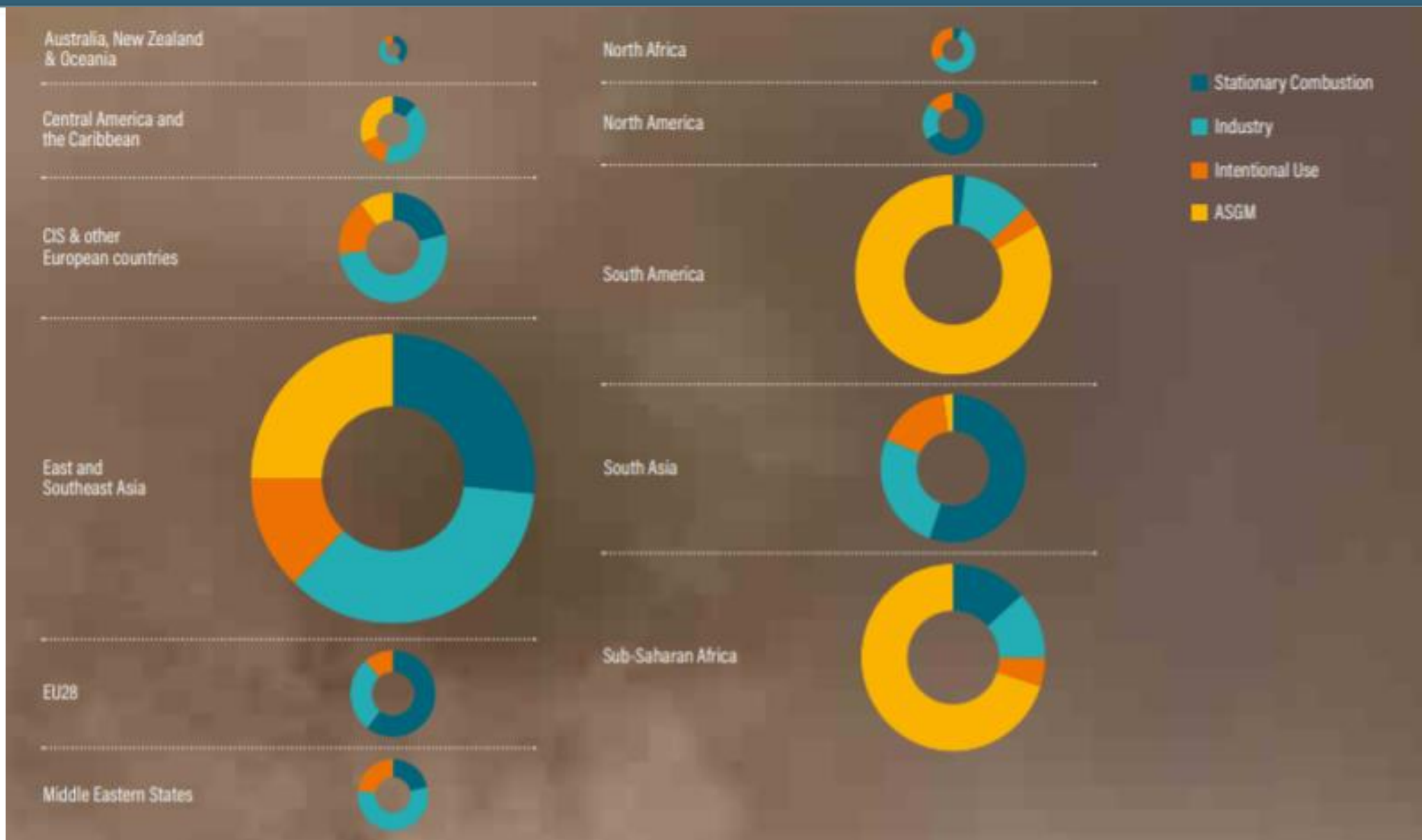
145
FOCAL POINTS



92%
REPORTING RATE



Regional emissions vary





WELCOME TO THE WORKSHOP

An aerial photograph of a large, modern stadium with a distinctive, curved, metallic roof structure. The stadium is surrounded by greenery and other buildings. In the background, a dense city skyline is visible under a hazy, sunset or sunrise sky. The text is overlaid on the center of the image.

**STRATEGIES FOR TARGETED EMISSION
REDUCTIONS FROM THE INDONESIAN
COAL FLEET**



TWO DAYS OF INFORMATION SHARING

PROGRAMME

DAY 1 – TUESDAY 11th JULY

Session 1 – Welcome and keynote addresses



Lunch

Session 2 – Improving coal plant performance and efficiency



Q&A

DAY 2 – WEDNESDAY 12th JULY

Session 3 – Biomass cofiring for emission reduction



Session 4 – Ash use



Lunch

Session 5 – Mercury monitoring and control



THE GOAL IS TO SHARE EXPERTISE AND EXPERIENCE

- All materials will be made available to delegates after the event
- Additional materials available from our website sustainable-carbon.org
- Please ask questions during and after the presentations – interruptions are welcome!
- Please fill out the questionnaire before you leave



**IT IS AN HONOUR AND A PRIVILEGE
TO BE ABLE TO WORK DIRECTLY
WITH MOEF, MEMR, BCRC-ASIA AND
THE INDONESIAN COAL UTILITY
FLEET**

THANK YOU



WELCOME TO THE WORKSHOP!

