










Providing unbiased information on the sustainable use of coal worldwide

The world needs coal . . .

-  Coal is the world's most abundant and widely distributed fossil fuel
-  Coal is the major source of secure and affordable energy
-  Coal powers more than one third of the world's electricity generation
-  Over two thirds of steel production is dependent on coal . . .
. . . and will remain so for decades to come.

With the demand for coal being strong and steady, the pressure is on to make all aspects of coal production, transport and utilisation sustainable.

For coal to maintain its role in the world economy and become a benchmark clean energy producer improvements must be made in:

-  Driving down emissions of SO₂, NO_x, particulates and trace elements
-  Increasing the efficiency of power generation
-  Reducing emissions of CO₂ thus making a major contribution to stabilising CO₂ levels in the atmosphere.

Coal can build on its strong competitive position by introducing zero emission technologies and other new techniques into industrialised and developing countries.

The IEA Clean Coal Centre offers a unique unbiased resource backed up by a highly skilled team of coal professionals that can help the world to benefit from the sustainable use of coal.

The IEA Clean Coal Centre

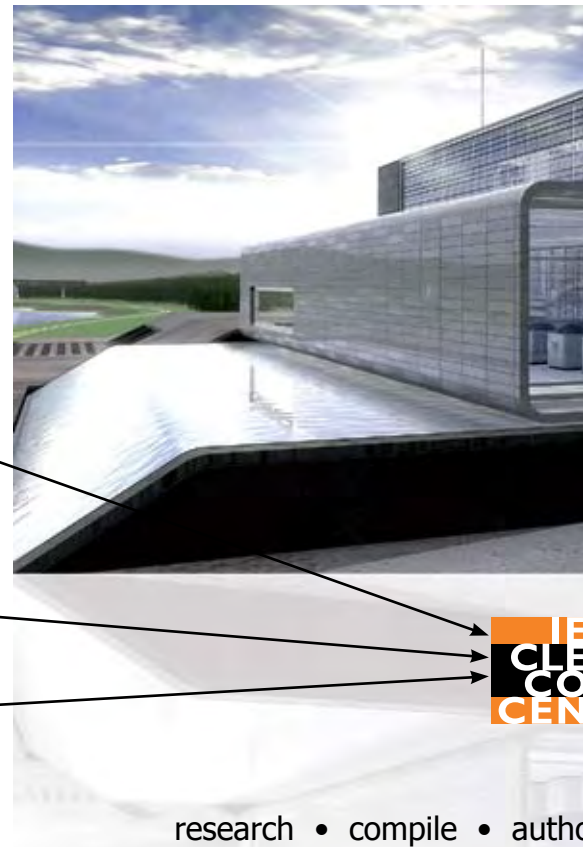
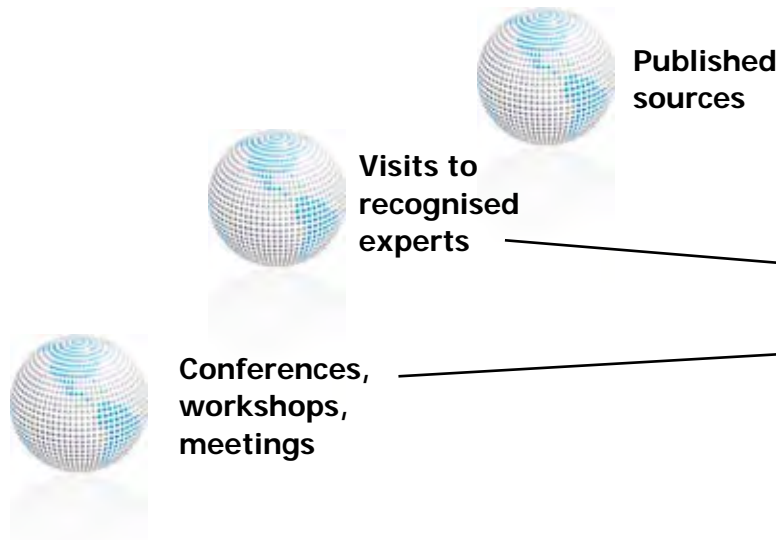
The IEA Clean Coal Centre recently celebrated its 30th anniversary. It was originally formed in 1975 by OECD governments who were members of the International Energy Agency, in the wake of the oil crisis. The Centre is in London and employs about 25 people, most of whom are engineers, technologists or information specialists. It is a non-profit making organisation funded mainly by members' subscriptions. The annual turnover is around £1.75 million and most of the budget is spent on the permanent staff, office accommodation and publishing.

All R&D is limited in one way or another, but there are ways to make the most of coal-based R&D. It is essential to have access to well organised archives and databases, to be able to share information and to have expert analysis of developments. These factors avoid duplication and facilitate new work in the members' work programme. This is the role of the IEA Clean Coal Centre. The highly skilled team gathers, assesses and distributes information and knowledge on the energy-efficient and environmentally sustainable use of coal in a balanced and objective way, without political or commercial bias.

Services are delivered to members in the form of reports and reviews on important topics, advice for governments and industry, support for relevant R&D, and by providing networking opportunities that foster international co-operation within and amongst developed and developing countries. Every member has access to the entire catalogue of work, making membership of the IEA Clean Coal Centre an exceptionally valuable resource.



The IEA Clean Coal Centre work programme produces studies that are relevant for all those involved in the use or supply of coal. The team at the Centre delivers a range of valuable products for the members.



Outreach



The Centre facilitates R&D, assists in the provision of networks, and organises workshops and conferences. Members can contact the staff at the Centre for expert advice on any aspect of the coal chain

Newsletter, reports, profiles



Published three times a year the Newsletter reviews reports, lists conferences and meetings



12 - 15 reports are published annually within the programme selected by the members' Executive Committee



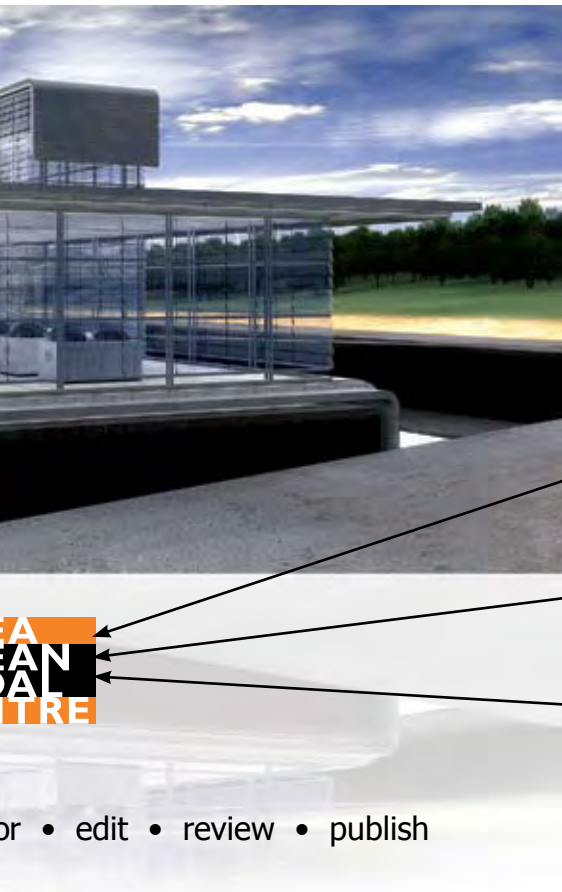
A profile is an executive summary of each published report and is available free

Austria Canada European Commission Germany Italy

Anglo Coal, **South Africa** Australian Coal Industry Consortium (ACIC), **Australia** Beijing Research

Coal Association of New Zealand (CANZ), **New Zealand** Danish Power Group (DPG), **Denmark**

Schlumberger, **France** Siberian Coal and Energy Comp



US Department of Energy

Member countries of the IEA Clean Coal Centre enjoy significant benefits that include sizeable discounts on access to data and on published products.

Internet research



Researchers



Member network



IAA
CLEAN
CENTRE

or • edit • review • publish

Databases

Website

CoalPower



CoalOnline



Coal Abstracts



Coal Technologies



Clean Coal Projects



Coal Meetings



www.iea-coal.org.uk

Japan Republic of Korea Spain United Kingdom USA

Research Institute of Coal Chemistry (BRICC), **China** BG Group, **UK** Bharat Heavy Electricals Ltd (BHEL), **India**

Eletrobras, **Brazil** ESKOM, **South Africa** Netherlands Power Group, **Netherlands**

Company (Suek), **Russia** Swedish Industry Group (SIG), **Sweden**



The Managers

John Topper, formerly Commercial Director of the Coal Research Establishment of British Coal, now Managing Director of IEA CCC.

Colin Nathan, Company Secretary, responsible for administration including: finance, personnel and legal issues.

Geoffrey Morrison, Programme Manager responsible for the selection and management of the members' work programme.

Robert Davidson, Head of Information Services and an expert on coal science.



The Authors

Lesley Sloss specialises in legislation and technologies to reduce emissions and represents the UK on several international standards committees.

Irene Smith has been studying the effects of coal on the environment and prepared one of the first reports on the role of carbon dioxide in climate change.

Rohan Fernando worked for the UK's CEBG/National Power (now RWE Npower) for nearly 20 years before joining IEA CCC in 1997.

Paul Baruya is an expert on the economic aspects of coal and an author of several coal market reports.

Herminé Nalbandian has 18 years of experience in writing on key environmental issues and was a visiting lecturer at Imperial College, London.

Colin Henderson is a senior technology analyst. He was previously with British Coal's Coal Research Establishment for more than 20 years working on techno-economic assessments of major power generation technologies.

Gordon Couch has written more than 20 reports for IEA CCC concentrating on coal markets, coal preparation and low rank coals.

Riccardo Ambrosini, a chemical engineer, joined IEA CCC in 2004 as a technical author. He previously worked for LITGC, Spain.

Stephen Mills, previously an independent consultant working for a range of commercial clients, academia and consultancies, joined IEA CCC in 2003.

John Kessels is a senior advisor on carbon abatement and management issues pertaining to emissions trading, international agreements and frameworks that could accelerate the use of clean coal technologies. He has also been an advisor to the Intergovernmental Panel on Climate Change (IPCC).



The Information Team

Nicola Jenkins, **Lallika Alles**, **Xing Zhang**, **Ida Estioko**, **Qian Zhu** and **Anne Carpenter** make up the team processing information for the IEA CCC databases. Anne and Qian also write reports on a range of subjects including coal blending, coal analysis and SO_x emissions.

The Publishing Team

Jann Grant and **Annette Straight** are responsible for the excellent quality of all IEA CCC reports and published material.

The Administration Team

Between them, **Mary Griffin** and **Alvina Board** support the managers and ensure the smooth running of the office.



For more about the IEA Clean Coal Centre visit:

www.iea-coal.org.uk

The IEA Clean Coal Centre maintains a comprehensive website of all its activities and products, as well as information on clean coal technologies. It is the delivery point for its extensive range of databases which are an essential tool for anyone with an interest in coal.

Databases

CoalOnline is a major free resource providing comprehensive information on the technology of coal utilisation. It contains a fully searchable compendium of technical reports produced by the Clean Coal Centre over the last 15 years.

CoalPower is a series of seven interlinked databases that provide just about all the data anyone could need on coal-fired plant around the world. It contains details of thousands of individual power units worldwide with contact addresses for utility and equipment suppliers active in clean coal technologies.

Clean Coal Projects is an online database concerned with developments in, and applications of, clean coal technologies. Reports can be researched detailing work programmes, on-going progress, new developments, announcements, legislation and policy reviews complete with web links and references.

Coal Abstracts is an online database that contains more than 200,000 abstracts of coal literature in a searchable form. The database is regularly updated and contains literature from books, journals, reports, dissertations, reports of research programmes and individual papers from conference proceedings on all aspects of the coal chain.

Coal Meetings details forthcoming events of interest to the coal industry. It is the most extensive list of relevant conferences, workshops and meetings and can be searched by region or date.

Clean Coal Technologies has useful descriptions of the main processes, from pulverised coal combustion through to IGCC and FGD.

The website www.iea-coal.org.uk is an excellent starting point for any desk-based, coal-related research.



Current membership of the IEA Clean Coal Centre includes major players in the global coal industry. The 23 members are made up from signatories and non-signatories to the Kyoto Protocol, OECD and developing countries, governments and industries.



For more information about the IEA Clean Coal Centre, please contact:

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