



ArcelorMittal

# news release

## **Research permit request for the storage of CO<sub>2</sub> in the Lorraine region**

Luxembourg, 11 June 2010 - With a view to contribute to the efforts to fight climate change, ArcelorMittal pursues the preparation of its carbon dioxide (CO<sub>2</sub>) capture, transport and storage project in the Lorraine region by filing a research permit request for the geological storage of CO<sub>2</sub>. This project is launched in the framework of the European ULCOS (Ultra-Low Carbon dioxide Steelmaking) programme.

Following information and dialogue steps with stakeholders and subject to approval by the relevant authorities and to obtaining the required financing, the ULCOS project will be implemented at the ArcelorMittal Florange plant for the capture part and in a zone to be determined in the Lorraine region for the storage part.

Following its capture, the CO<sub>2</sub> will be transported in a buried pipe to be stored inside geological layers offering the properties and guarantees required for very long term confinement without risk for health or environment. The storage layers under study are saline aquifers at a depth of more than 1,000 meters.

A request has just been filed with relevant French authorities for a research permit covering portions of the Meuse, Meurthe-et-Moselle and Moselle departments. The goal of this exploration phase, which will take place between 2011 and 2014, is to complement document-based analysis and to acquire geological data on the ground to confirm that the potential considered zones are indeed appropriate for CO<sub>2</sub> storage.

The request for a permit was filed in partnership with Geogreen, a subsidiary of the French Geological Survey (BRGM), IFP and Géostock. BRGM is also a partner of the project.

### **About ULCOS**

*ULCOS stands for Ultra-Low Carbon dioxide (CO<sub>2</sub>) Steelmaking. It is a consortium of 48 European companies and organisations from 15 European countries that have launched a cooperative research & development initiative to enable drastic reduction in CO<sub>2</sub> emissions from steel production. The consortium consists of all major EU steel companies, of energy and engineering partners, research institutes and universities and is supported by the European commission. The aim of the ULCOS programme is to reduce the CO<sub>2</sub> emissions of today's best routes by at least 50 percent. The success of the first phase of ULCOS has led to*

launching a second phase, ULCOS II, with a focus on developing a demonstrator of the ULCOS-BF technology. The consortium behind this initiative is composed of the major mining and integrated steel companies in Western Europe: LKAB, ArcelorMittal, ThyssenKrupp Steel Europe, Corus, voestalpine, RIVA, SSAB, Ruukki, Saarstahl and Dillinger.

[www.ulcos.org](http://www.ulcos.org)

#### **About ArcelorMittal**

*ArcelorMittal is the world's leading steel company, with operations in more than 60 countries.*

*ArcelorMittal is the leader in all major global steel markets, including automotive, construction, household appliances and packaging, with leading R&D and technology, as well as sizeable captive supplies of raw materials and outstanding distribution networks. With an industrial presence in over 20 countries spanning four continents, the Company covers all of the key steel markets, from emerging to mature.*

*Through its core values of Sustainability, Quality and Leadership, ArcelorMittal commits to operating in a responsible way with respect to the health, safety and wellbeing of its employees, contractors and the communities in which it operates. It is also committed to the sustainable management of the environment and of finite resources. ArcelorMittal recognises that it has a significant responsibility to tackle the global climate change challenge; it takes a leading role in the industry's efforts to develop breakthrough steelmaking technologies and is actively researching and developing steel-based technologies and solutions that contribute to combat climate change.*

*In 2009, ArcelorMittal had revenues of \$65.1 billion and crude steel production of 73.2 million tonnes, representing approximately 8 per cent of world steel output.*

*ArcelorMittal is listed on the stock exchanges of New York (MT), Amsterdam (MT), Paris (MT), Brussels (MT), Luxembourg (MT) and on the Spanish stock exchanges of Barcelona, Bilbao, Madrid and Valencia (MTS).*

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