

GROUP for ANALYSIS of PERFORMANCE in ECONOMICS and MANAGEMENT	GROUPE d' ANALYSE de la PERFORMANCE en ECONOMIE et MANAGEMENT
IFRESI (LILLE)	IAG (Louvain-la-Neuve)
Sponsoring institution:	IESEG Research (Lille)

Dear colleagues,

You are cordially invited to a seminar of GAPEM on Tuesday March 21st 2006, 16h00–17h30 at IFRESI, 2 rue des Cannoniers, Lille (France). This seminar is also part of the IESEG Research cycle of seminars.

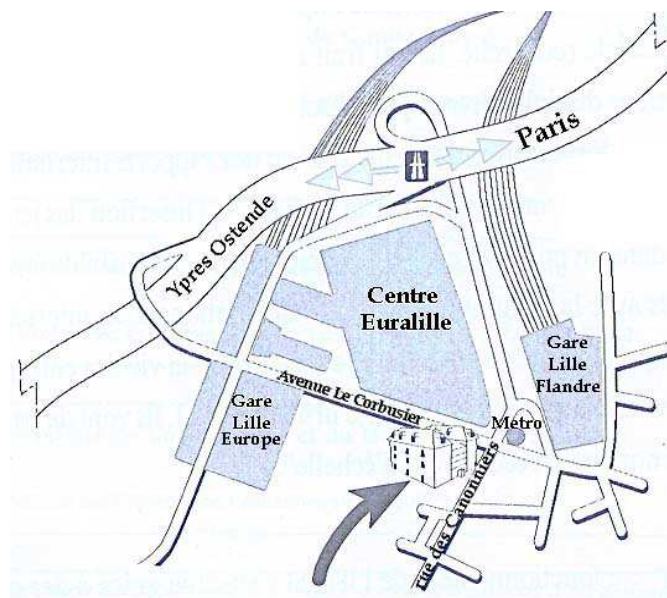
#### PROGRAM

**Shunsuke Managi (Yokohama National University)**

*Environmental Policies in China*

Co-author is Shinji Kaneko (Hiroshima University). An abstract is found on the next page. A brief list of publications of Prof. Managi is also added.

For any additional information on this event, please do not hesitate to contact: [k.kerstens@ieseg.fr](mailto:k.kerstens@ieseg.fr)



Shunsuke Managi (Yokohama National University)  
Environmental Policies in China

**Abstract:**

China experienced annual economic growth averaging close to 9% over the last 25 years. However, as a result of this extremely rapid economic growth, the scale and seriousness of its environmental problems are clearly evident. Consequently, a number of environmental problems threaten China's sustainable future. This paper measures and analyses the determinants of various components of total factor productivity within a joint-production model of market and environmental outputs in China from 1992 to 2003. The results indicate that although China began implementing new environmental policies, and although the stringency of these regulations is increasing, there is no short-term positive benefit associated with their implementation. However, some environmental productivity measures, such as wastewater treatment, have exhibited an increase in managerial efficiency. Detecting the determinants of these factors, this paper finds the foreign direct investment (FDI) instead of domestic invention is the major factor to increase the market productivity growth while FDI has negative effects on environmental productivities. We also examine whether traditional command and control regulations and/or market mechanism are effective on encouraging efficient management of pollution control.

A sample of publications of Prof. Shunsuke Managi:

Managi, S., J.J. Opaluch, D. Jin, T.A. Grigalunas (2005) Environmental Regulations and Technological Change in the Offshore Oil and Gas Industry, *Land Economics*, 81(2), 303-319.

Managi, S., J.J. Opaluch, D. Jin, T.A. Grigalunas (2004) Technological Change and Depletion in Offshore Oil and Gas, *Journal of Environmental Economics and Management*, 47(2), 388-409.

Managi, S. (2003) Luenberger and Malmquist Productivity Indices in Japan, 1955-1995, *Applied Economics Letters*, 10(9), 581-584.