

Abstract :

This study examines differences in technical efficiency between European higher education (HE) institutions. To measure efficiency, we consider on one hand, the capacity of each HE institution to provide competencies to graduates and, on the other hand, the capacity of HE institution to match competencies provided during education to competencies required on the labor market.

The data we use concern a large sample of young graduates interviewed three years after graduation from eight European countries and 209 HE institutions.

We use a non parametric approach (Data Envelopment Analysis) to evaluate efficiency of converting multiple inputs into multiple outputs.

Results show that objectives selected are consistent as the same types of institution are found to be efficient in the different specifications. Further more, we observe higher average performance score in competencies production than in match related outputs.

A second step analyses the efficiency scores using Tobit estimations. Students' characteristics as well as national labor markets' characteristics are introduced to explain performance. Special care is given to the role of peers on student's personal achievement. A new measure of efficiency, corrected from environmental factors is obtained from this second step. This development gets insight into the efficiency of the transition from higher education to labour market in European countries according to national characteristics of educational systems and labor markets.

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Catherine Ris is assistant Professor of Economics at the University of New Caledonia. She is interested in topics linking the fields of development, labour economics and education economics (transition from education to the labour market).

She participated in several European and Pacific research networks (Targeted Socio-Economic Research, Transitions in Youth, Fonds Pacifique, Oceania Development network).

Catherine Ris studied at University of Strasbourg, University of Clermont-Ferrand, and University of Lyon 2 where she received her Ph.D. and had a Post-Doctoral Research Fellow at ROA (Maastricht University).



The Center for Research in Economic Analysis of the University of Luxembourg is pleased to invite you to the **Lunchtime Seminar in Economics:**

Determining the relative efficiency of European Higher Education institutions using DEA

(joint with Othman Joumady)

Catherine Ris
University of New Caledonia

November 3, 2010
13:00 – 14:00

Campus Limpertsberg
Building of Science – Room BS001
162a, avenue de la Faïencerie
L-1511 Luxembourg

Lunch is planned for the participants

Registration: by email to fdef-colloques@uni.lu

