Are Economic Growth and the Variability of the Business Cycle Related? Evidence from Five European Countries***

Stilianos Fountas*      Menelaos Karanasos**

Working Paper No. 63                                           June 2002

Department of Economics
National University of Ireland, Galway

http://www.nuigalway.ie/ecn/

*** The authors are grateful to Marika Karanassou for helpful comments and suggestions. The usual disclaimer applies.
Address for Correspondence:  S. Fountas, Department of Economics, National University of Ireland, Galway, Ireland. Email: steve.fountas@nuigalway.ie, Tel: 353-01-524411, ext. 2300, Fax: 353-91-524130.

* Department of Economics, National University of Ireland, Galway, Ireland
** Department of Economics and Related Studies, University of York, York, U.K.
Abstract

We use a long series of annual data that span over 100 years to examine the relationship between output growth and output growth uncertainty in five European countries. Using the GARCH methodology to proxy output growth uncertainty, we obtain two important results: First, more uncertainty about output growth leads to a higher rate of output growth in three of the five countries. Second, output growth reduces output growth uncertainty in all countries except one. Our results provide strong support to the view that macroeconomists should examine the theories of economic growth and the variability of the business cycle in tandem.

Keywords: Output growth, output growth uncertainty, GARCH

JEL Classification: C22, E32
References


