

SEMINAR ON

Productivity Growth and Technical Change in Common-Pool Natural Resource Industries: Accounting for the Environment and Joint Production

19th August 2003 at 14.15
Danish Research Institute of Food Economics (FOI)
Rolighedsvej 25
1958 Frederiksberg C
Copenhagen, Denmark

GUEST LECTURE

Adjunct Professor Dale Squires, National Marine Fisheries Service and University of California, San Diego

DESCRIPTION

Measures of total factor productivity growth in common-pool natural resource industries are biased without disentangling the effects of changes in resource stocks, state of the environment, and capacity utilization and without the proper specification of joint production. To address this issue, this paper calculates output-oriented Malmquist indices of total factor productivity, technical change, technical efficiency, overall resource stock abundance, and state of the environment for the Japanese tuna purse seine fleet in the Western and Central Pacific Ocean. The paper also accounts for resource stock jointness with block nonjoint production for three distinct multiproduct production processes exploiting the same resource stocks under common environmental conditions with differential rates of process innovation.

PARTICIPATION

Open for all interested. No registration is necessary.

CONTACT

FAME, Department of Environmental and Business Economics
University of Southern Denmark
Niels Bohrs Vej 9, DK-6700 Esbjerg
Tel. +45 6550 1000 · Fax: +45 6550 1091 · E-mail: fame@sam.sdu.dk
Website: www.sam.sdu.dk/fame/