



Nanyang Technological University
**ECONOMICS AND ECONOMIC
GROWTH CENTRE** Seminar Series

Economics and Economic Growth Centre invite you to a seminar by
Prof Jesuthason (Dodo) THAMPAPILLAI

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- Speaker** : **Prof Jesuthason (Dodo) THAMPAPILLAI**
Visiting Professor
Lee Kuan Yew School of Public Policy
National University of Singapore
- Topic** : **"The Size of an Air Shed – A Macroeconomic Stock Estimate"**
- Chairperson** : **Prof YAN Jubo**
Assistant Professor
Division of Economics
School of Social Sciences
- Date** : **31 October 2017 (Tuesday)**
- Time** : **2.30pm to 3.30pm**
- Venue** : **HSS Meeting Room 6 (HSS-04-95)**
School of Social Sciences
14 Nanyang Drive, Singapore 637332
Nanyang Technological University

About the Speaker:

Professor Dodo Thampapillai is an economist at the Lee Kuan Yew School of Public Policy, National University of Singapore. He previously held a chair in Environmental Economics at Macquarie University, where he currently holds an adjunct professorship. He has over 100 publications. His text on Environmental Economics – with the late Jack Sinden – is perhaps the first to include an explicit section on Environmental Macroeconomics. Dodo is currently under contract with Routledge to complete an updated version of this text.

Abstract:

This paper presents a simple method for estimating the size of environmental capital (KN) assets that are otherwise mistaken as infinite. An illustration is provided for Australia's air shed. The method draws on the perpetual inventory method (PIM) used in macroeconomics for measuring the size of manufactured capital (KM) stock. Whilst the application of the PIM for measuring KM is based on net accumulation over time, with KN it involves net depreciation over time. The depreciation, however, can be negated by the resilience capabilities of KN assets based on their biophysical characteristics. Owing to sparse data, two proxy methods for estimating the resilience coefficient are developed. These proxies rely on emission targets and standards that have been discussed in Australia's policy context.

Key words: Environmental Capital Stock, Perpetual Inventory Method, National Income Accounts, Depreciation, Resilience.

Reservation:

Admission is free. Please reply to e-egc@ntu.edu.sg for any enquiries.