

Workshop co-hosted by CAPES and IIASA

## The Importance of Systems Analysis for Finding Solutions to the Global Challenges Brazil Faces

Tuesday 25 April 2017  
09:00am

Edifício CAPES, -1, Sala J  
Setor Bancário Norte (SBN), Quadra 2, Bloco L, Lote 06, Edifício CAPES – CEP: 70.040-031 – Brasília, DF

Co-organized by the Brazilian Federal Agency for Support and Evaluation of Graduate Education (CAPES) and IIASA this workshop will show the value for Brazil of developing the research base for a Brazilian systems analysis agenda and applying system analytical expertise to find solutions to the global challenges that the country faces.

Many of the most serious problems that confront humanity—including sustainable development, climate change, ecosystem restoration, and sustainable energy—are complex and interconnected. A country's national interests are tightly connected to these complex global systems. Resolving such challenges requires an understanding not only of the detailed components of each element (disciplinary research) but also their dynamic and interconnecting elements (integrated multidisciplinary research). Systems analysis is one of the few research tools that have both the breadth and depth to truly understand global change, and only through this understanding can a country navigate smart pathways through these global challenges and avoid being simply swept along by them. Collaborating with IIASA provides a mechanism to enhance Brazilian researchers' capabilities in systems analysis by leveraging on IIASA's expertise in this field as well as providing access to global knowledge and an international network. For Brazilian policymakers, cooperation with IIASA brings an international perspective and systems thinking to identify long-lasting solutions to global challenges.

### Introduction

- **Professor Abilio Baeta Neves**, President, CAPES (to be confirmed)
- **Professor Connie McManus Pimentel**, Director of International Relations, CAPES and Brazilian Council Member for IIASA (to be confirmed)

### Presentations

- IIASA & Brazil: Future Prospects for Collaboration: **Professor Dr. Pavel Kabat**, Director General & CEO, IIASA (30 mins)
- A Brazilian perspective on IIASA: **Professor Carlos Nobre**, Centro Nacional de Monitoramento e Alertas de Desastres Naturais (15 mins)
- Evidence based impact assessment of natural resource policies in Brazil: **Dr. Alexandre Xavier Ywata de Carvalho**, Instituto de Pesquisa Econômica Aplicada (Ipea) (15 mins)
- Supporting national climate policy in Brazil: **Dr. Michael Obersteiner**, Program Director, IIASA Ecosystems Services and Management Program (15 mins)
- Toward a sustainable energy future in Brazil and IIASA Message Model: **Professor Andre Frossard Pereira de Lucena**, Federal University of Rio de Janeiro (15 mins)
- Developing the research base for systems analysis in Brazil: **Mr. Iain Stewart**, Head, IIASA External Relations, Communications and Library Department (15 mins)

Questions & Answers will follow each presentation, the event will be concluded with a group discussion