

Conferència:

Adapting to Climate Change: Roles for Engineering, Economics and Policy

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13 Juny 2008, 12:00h

Sala d'Actes de l'Escola de Camins,
(ETSECCPB)

Campus Nord de la UPC

Abstract:

Even if greenhouse gas emissions could be eliminated instantly, the effects of past emissions on atmospheric and biological processes will be felt for centuries to come. Reducing the vulnerabilities of society to climate change impacts will require anticipatory approaches that build on the best engineering and social sciences.



Dr Matthias Ruth Dr. Matthias Ruth is Roy F. Weston Chair in Natural Economics, Director of the Center for Integrative Environmental Research at the Division of Research, Director of the Environmental Policy Program at the School of Public Policy, and Co-Director of the Engineering and Public Policy Program at the University of Maryland. His research focuses on dynamic modeling of natural resource use, industrial and infrastructure systems analysis, and environmental economics and policy. His theoretical work heavily draws on concepts from engineering, economics and ecology, while his applied research utilizes methods of non-linear dynamic modeling as well as adaptive and anticipatory management. Applications of his work cover the full spectrum from local to regional, to national and global environmental challenges, as well as the investment and policy opportunities these challenges present. Professor Ruth has published 10 books and over 100 papers and book chapters in the scientific literature. He collaborates extensively with scientists and policy makers in the USA, Canada, Europe, Oceania, Asia and Africa.

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