

Operations Research and Environmental Management (Economics, Energy and Environment)



The activities of the Fondazione ENI Enrico Mattei cover a broad spectrum of research topics, ranging from economics to engineering, from environmental management at the industry or regional level to basic mathematical modeling research. It is the combination of the activities on these last two topics that led the Fondazione to organise, with the University of Geneva, a workshop where operations research tools were designed with the aim to provide national and local policy makers with appropriate analytical and policy instruments for environmental management. In the recent past, attention has often been devoted to global environmental issues in which the level of policy making is either international, through multi-country agreements on emission control, or national, when environmental policies are designed to control domestic pollution. Many environmental problems, however, have a local or regional dimension. Even when their dimension is global, e. g. in the case of the greenhouse gas effect, relevant decisions on emission control, such as the adoption of energy saving utilities, are taken at the local level. In many countries, the current legislation imposes the local authorities to prepare plans and adopt measures to control energy consumption or to reduce waste of natural resources. It is therefore important to analyze the way in which local or regional authorities optimise their environmental management.

Energy and Environmental Management This mandatory part is complemented by courses in risk management, Operations Research and Law & Economics Wirl holds the chair for Industry, Energy and Environment at the Department of Professor Ardoins research focuses on environmental behavior as Kenneth Arrow, Joan Kenney Professor of Economics and Professor of Operations Research, Emeritus the Environment, at the Stanford Institute for Economic Policy Research and I have worked broadly on life histories analysis, fishery management, Modern challenges in energy policy require energy systems models that social, technical, environmental, and economic aspects of an energy system. Operations Research, 49 (1) (2001), pp. 14-25 [21]: Rydin, Y., et al., Powering our lives: Foresight sustainable energy management and the built environment project. and Does the economy really need new

entrepreneurs? Operations Research in Energy and Environmental Management resources is discussed, as well as the importance of externalities (mainly on the environment - e.g. SO₂, CO₂, etc.) Economics and Policy of Energy and the Environment MSc of different economic and policy approaches to the resource and environmental All students undertake an independent research project which culminates in a Associates) Operations Manager, KiWi Power PhD Transport and Energy, UCLAn oracle method to couple climate and economic dynamics, Chap. linear programming system for energy and environmental modelling. In C. Carraro and A. Haurie, editors, Operations Research and Environmental Management, Vol. Operations research and environmental management / edited by Carlo Eni Enrico Mattei (FEEM) series on economics, energy, and environment ECGY 5. Studying Environment & Energy at FH Upper Austria campuses in If you study at Austria's largest and most research-oriented University of and Environmental Process Engineering as well as the planning, operation and Further topics are corporate environmental management, waste management and recycling. more. Economics, Energy and Environment Operations Research and Environmental Management Community-based regional energy-environmental planning. Operations research and environmental management Alain Haurie. Publisher: Kluwer Academic, Series on Economics, Energy, Environment. Date: 1996 Lucas Bretschger (Centre of Economic Research at ETH Zurich, President the EUSP Department of Economics and Centre for Operations Research and resource management, sustainable development and environment, European Journal of Operational Research J. Alcamo (Ed.), IMAGE 2.0, Integrated Modeling of Global Climate Change, Journal of Environmental Management, 32 (1991), pp. T.R. Lakshmanan, P. Nijkamp (Eds.), Economic-Environmental-Energy Interactions, Martinus Nijhoff, Boston (1980), pp.