



(Research on Lifestyles, Values and Environment)
UNIVERSITY OF SURREY, Guildford, Surrey GU2 7XH

FORTHCOMING SEMINAR

Monday 14 December, 2009, 1245-1345

45b AZ 04
University of Surrey

Bastien Girod
Swiss National Council and EPA Commission

How storylines and a household-based approach can improve future (IPCC) emission scenarios

For an effective transition towards sustainable development, scenarios take a crucial role at the science-policy interface. They connect the attained goal to actions needed today. Since climate change is one of the key challenges for sustainable development, the IPCC scenarios are in this respect of major interest. In an evaluation of the IPCC scenarios, strengths and shortcomings of current and upcoming (fall 2010) IPCC emission scenarios are analysed. Improvements are proposed by (i) a formal storyline construction, and (ii) household based emission scenarios. Considering the storylines, it is proposed to consider methods allowing for a systematic approach to system interrelations and to apply them to global development and Green House Gas emissions. Household based scenarios are a promising way for more parsimony in the emission scenarios. Such scenarios allow to capture and analyse the implications of lifestyles and consumption patterns for future Green House Gas emissions. For the baseline scenario, the concept of consumption-as-usual is proposed, which allows for the integration of rebound effects (increased demand) induced by new products and technologies.

Enquiries to Gemma Cook, RESOLVE Co-ordinator, 01483 686689

