



INSTITUT DE STATISTIQUE

UNIVERSITE CATHOLIQUE DE LOUVAIN

STATISTICS SEMINAR

Adrian **BOWMAN**,
University of Glasgow,
Glasgow - United Kingdom

"Additive models for environmental applications"

Friday, February 20, 2009

14:30

Room : c 115 (STAT)

Abstract

Additive models extend standard regression methods by allowing very flexible, but smooth, relationships between variables of interest. The role of these models in environmental applications, where there is a need to incorporate suitable forms of spatial and temporal correlation, will be discussed. The technical aspects of the talk will focus on computational strategies for spatiotemporal smoothing and on the construction of appropriate models of spatial variation over river networks. Applications will include the modelling of SO₂ pollution over Europe and water quality in the River Tweed.

You are welcome to the coffee break after the seminar (room : c 105)

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