



NRA Fellowship 2008 Tom Buckland

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Background

- Developing a pavement cost model for the Irish National network
 - Tool to assist in budget setting
 - Relate condition and maintenance standards to maintenance objectives
- Identifying 'value for money' parameters
 - Defining value for money
 - How can they be measured and incorporated into network level model?
- Using a case study to address questions which include
 - What impact do noise and carbon have on the cost of a road maintenance programmes?
 - How does the inclusion of noise and carbon affect the prioritisation of a road maintenance programme?

Supervision and affiliation

- Sponsored by National Roads Authority (NRA), Ireland



- Working at TRL, an affiliated Open University (OU) Research Centre
 - Supervisors: V Ramdas (TRL), T Parry (NTEC)

Stage of PhD

- End of first year probation period
 - Finalising research question following supervisor and assessor comments
 - Report submission

- Future
 - Address challenges of modelling selected externalities
 - Consultation with stakeholders
 - Best practice
 - Identifying any training needs
 - Qualitative data analysis to derive quantitative framework

- Poster lists more detailed questions that will need to be addressed in modelling the externalities of carbon and noise

Thank you

Presented by Tom Buckland

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