



Mark Dimond

BSc PhD

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Education

2009-2014 PhD Computer Science, University of Nottingham

My doctorate examined processing techniques for pedestrian movement data, and improving its use in data mining and geographic route prediction.

2003-2006 BSc (Hons) Computer Science and Human Geography Keele University

Skills

Research programme management and securing funding. Proposal writing, financial planning, and interdisciplinary project management, especially with IFIs/MDBs.

Effective and fluent written English for a wide range of settings, including reporting and engagement.

Training of junior staff including running internal GIS training course, four times.

GIS. Accessibility (travel-time) analysis, network modelling, TAG and economic appraisal. 'Paris Alignment' Assessment (PAA) for IFI investments.

Software dev: Python, Postgres/SQL, Linux server administration, JavaScript/ES6, Azure deployments, Git.

Spanish speaker and learner (high intermediate: CEFR B2/C1)

Countries of experience: UK, Albania, Belgium/EU, Egypt, Kyrgyz Republic, Liberia, Netherlands, Tajikistan, and many others remotely.

I'm a **transport data scientist**, **transport consultant**, and **strategist**. Since joining ITP in 2014, I have delivered a wide range of consultancy projects across the UK and in developing countries. In the last five years, my work has focused on urban transport in low- and middle-income countries, especially travel time modelling, strategy and policy work, and building data tools that help support the improvement of public transport networks.

I am passionate about the opportunities that improved transport and better air quality can bring to cities in developing countries, and particularly interested in how these 'data poor' environments more rapidly make the case for appropriate and successful investment, especially considering issues like gender which have in the past been neglected by transport modelling and planning.

I have also led our efforts to improve our transport data analysis tools and processes: alongside consultancy projects, I've been successful at delivering research funding (approx. £300k) from both external (UK gov't/IFI) and internal sources to help build these and support the needs of local partners.

Employment history

2016 to
present

Associate Transport Planner

Integrated Transport Planning (ITP - now part of Haskoning UK) I am responsible for securing and managing Transport Planning consultancy projects across a range of disciplines and with multidisciplinary teams, and more recently for delivery of our team's Digital Strategy.

Successful projects at ITP include:

'Decarbonising Transport in Central Asia', where I led a four-country research programme (with the World Bank) to propose green transport investments in the region, working with national governments and city halls to understand possible policy options.

'Computer Vision for Public Transport': a concept of mine secured FCDO research funding for our small data science team, developing new data sources for transport planning projects from crowdsourced imagery available on the Web.

'Tirana Urban Mobility Data Strategy' Working with GIZ, we developed a strategy for the city of Tirana, Albania to greatly improve its use of data in transport and planning.

'Greener Connectivity for the Eastern Partnership Countries' Our long-ranging World Bank study (2018-24) has sought to model and prioritise green transport policies for the six, now five, EAP countries. My role included building (with ITS Leeds) a model visualisation tool that helped decision makers understand the impacts of different policies, such as EV uptake, road tolling, and freight improvements, and hence how to prioritise financing.

2014 to
2016

Knowledge Transfer Partnership Research Associate

University of Nottingham (with ITP), developing a tool to crowdsource disability/accessibility information to improve access to transport and other services.

2008 to
2009

Senior GIS Technician (Highways)

Derby City Council
Prior to my PhD, I was responsible for managing a desktop GIS application and highways database, and staff training/access.