



The Alan Turing Institute



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Home + People + Researchers

Dr Dani Arribas-Bel

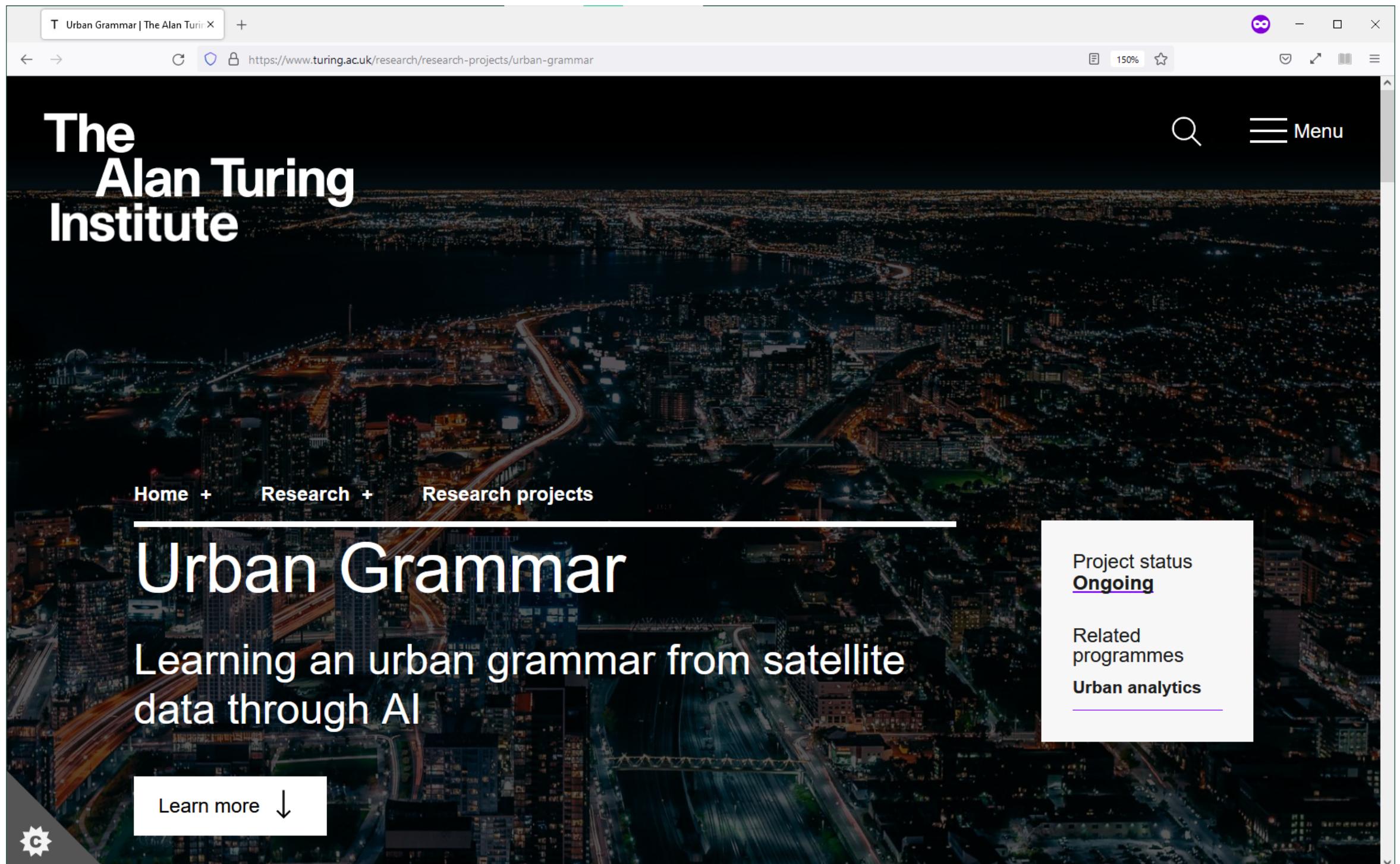
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Position
**Deputy Director
of Urban
Analytics**

Links
[Personal page](#)

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The Alan Turing Institute

Home + Research + Research projects

Urban Grammar

Learning an urban grammar from satellite data through AI

Learn more ↓

Project status
Ongoing

Related programmes

Urban analytics

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Urban Grammar | The Alan Turing Institute

https://www.turing.ac.uk/research/research-projects/urban-grammar

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Menu

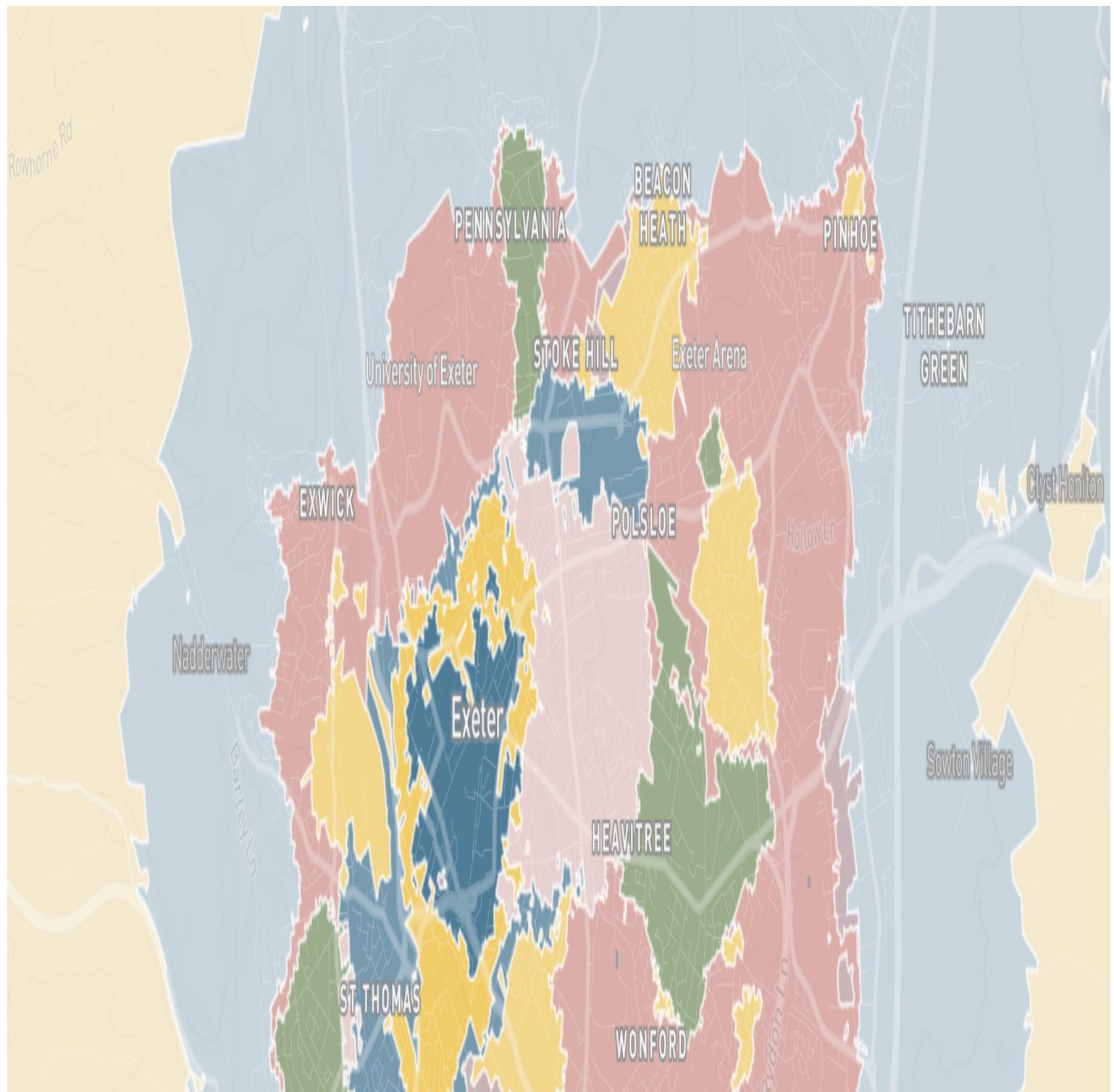
Goals

1. Develop Spatial Signatures

*A characterisation of space based on form and function
designed to understand urban environments*

2. Learn SS from satellite imagery through AI

Spatial Signatures



What for?

- Understanding (change in) cities in detail *and* at scale
- Building block (urban form & function *made easy*)
 - Sustainability
 - Productivity
 - Inequalities
 - ...