

Program 2 | Rapid Spatial Analytics Projects

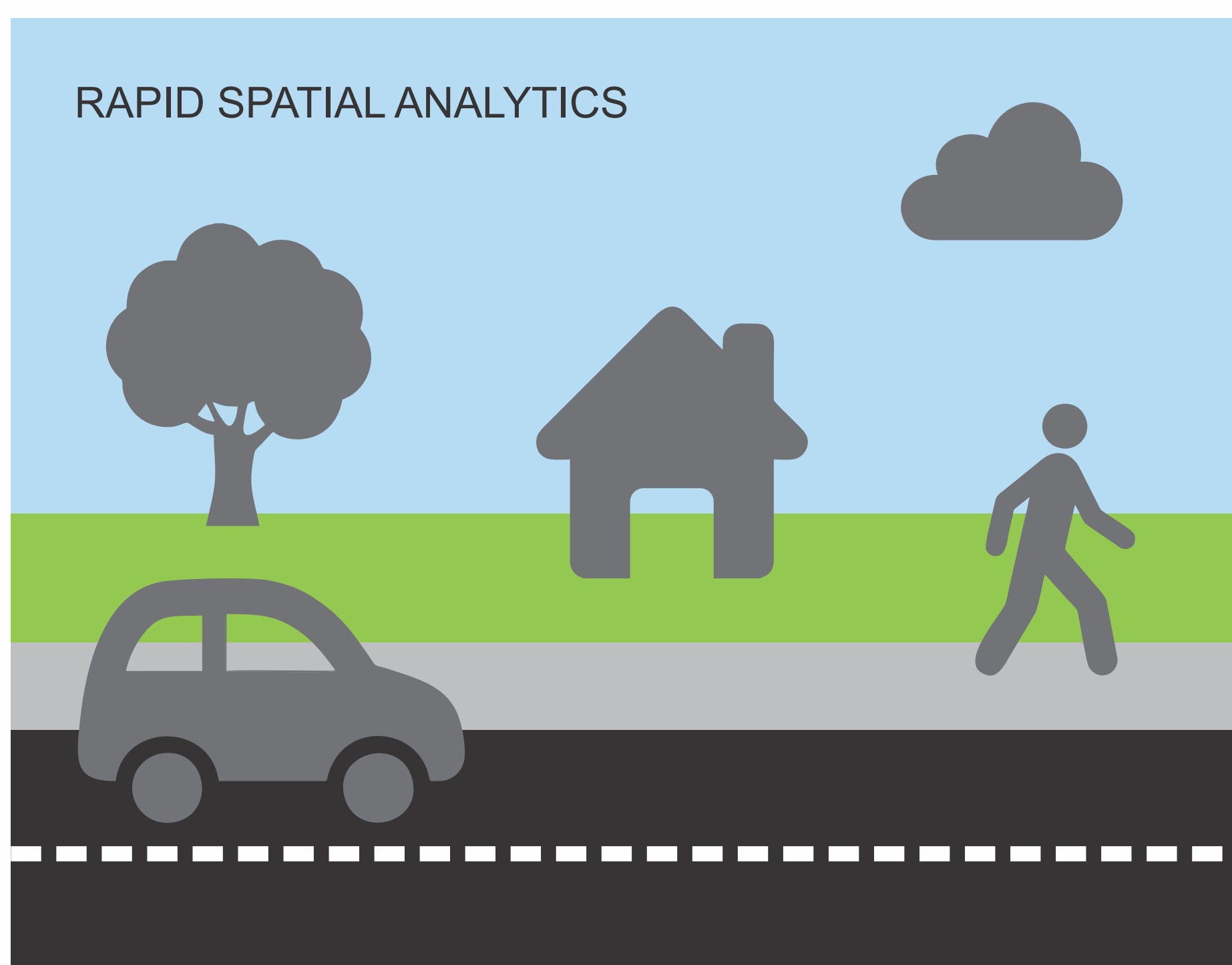
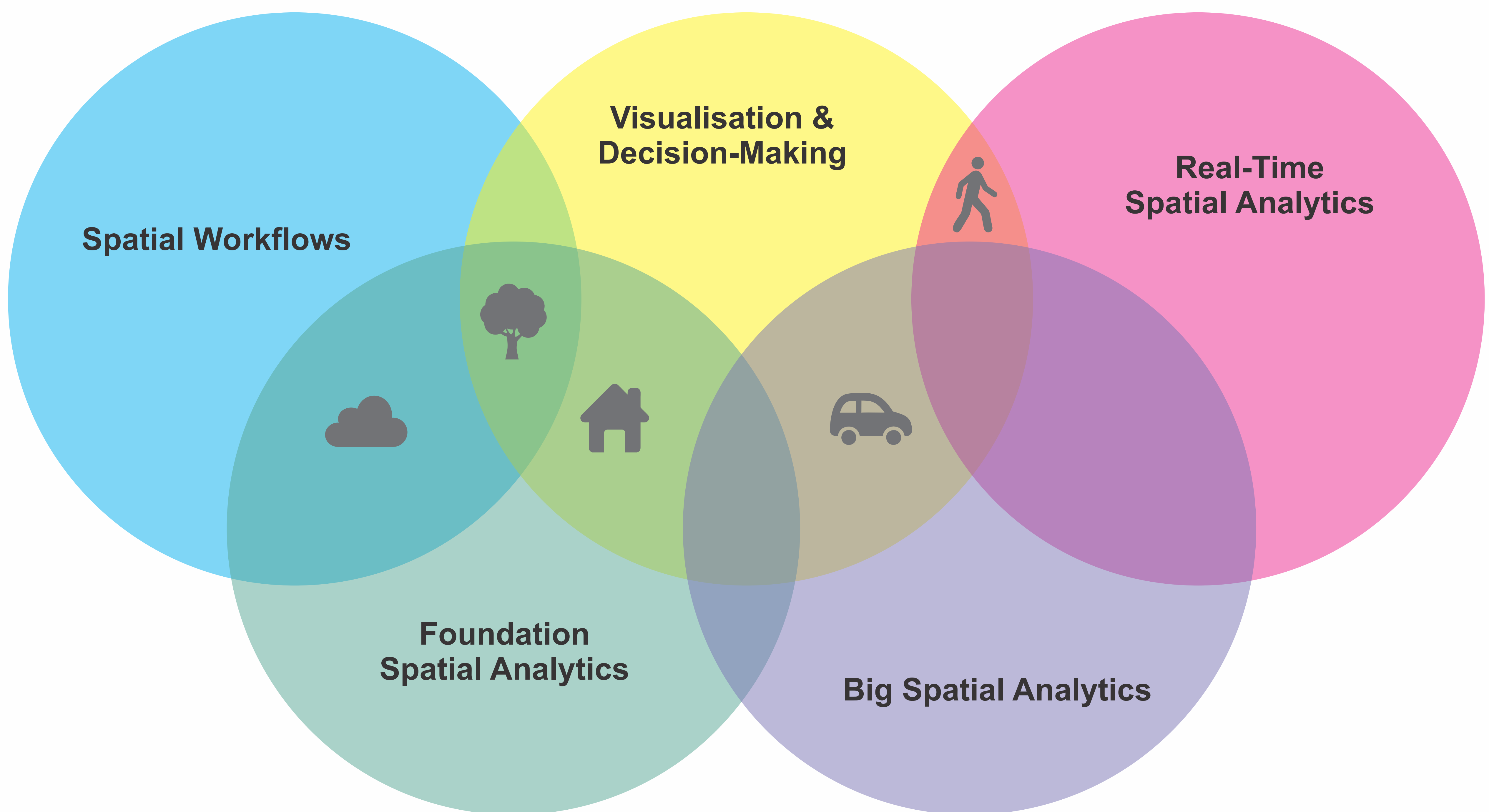
Program Leader Dr Nathan Quadros, CRCSI





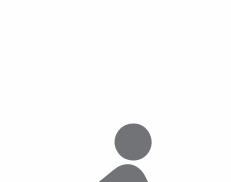
Science Director Prof Matt Duckham, RMIT

Project Participants Victorian Department Environment Land Water and Planning (DELWP), Geoscience Australia (GA), GHD, Huawei, NSW Land and Property Information (LPI), Victorian Office of the Commissioner for Environmental Sustainability (OCES), Optus, Queensland University of Technology (QUT), Royal Melbourne Institute of Technology (RMIT), Southern Cross Station (SCS), Stratos Media (SM), ThinkSpatial (TS), Queensland Department of Transport and Main Roads (TMR), University of New South Wales (UNSW), VPAC Innovations (VPAC)

Objectives Rapid Spatial Analytics research projects focus on improving government and industry's ability to rapidly use spatial information on mobile and cloud infrastructure.

Outcomes Strengthening current partnerships, building new partnerships, extending current projects and identifying trends in spatial analytics.



-  **QA4M0BILE**
Developing a standard automation process for assessing data quality from mobile LiDAR [TMR, TS]
-  **State Of the Environment (SOE)**
Cloud-based queries, analysis and visualisation of environmental reporting [DELWP, OCES, VPAC]
-  **Rapid Analytics Scenario Explorer (RAISE)**
Building an interactive toolkit for accessing automated land valuation models [LPI, QUT, UNSW]
-  **Open Spatial Analytics (OSA)**
Sharing open, cloud-based geospatial workflows to give users confidence in the data [DELWP, GA, RMIT]
-  **People Movement**
Using real-time people movement data to understand interactions with infrastructure [GHD, Huawei, Optus, SCS, SM]