A Decade of Lessons Learned in Supporting a National Big Data Platform for Urban Research

Prof. Richard O. Sinnott
Professor of Applied Computing Systems
Faculty of Engineering and Information Technology,
The University of Melbourne, Australia

Abstract

The Australian Urban Research Infrastructure Network (AURIN - www.aurin.org.au) is a national platform in Australia with focus on urban research and the built environment. The platform provides seamless, secure, federated access to over 6,000 definitive data sets from over 150 Government agencies. The platform also provides over 100 tools covering the gamut of spatial statistics and data analysis. Prof Sinnott and his Melbourne eResearch Group (www.eresearch.unimelb.edu.au) have supported the design, development and delivery and support of AURIN throughout its lifetime. This talk will cover the background to AURIN; the challenges that were faced in development of AURIN and the future plans for AURIN. The platform has been accessed and used over 300,000 times by diverse research communities across Australia.