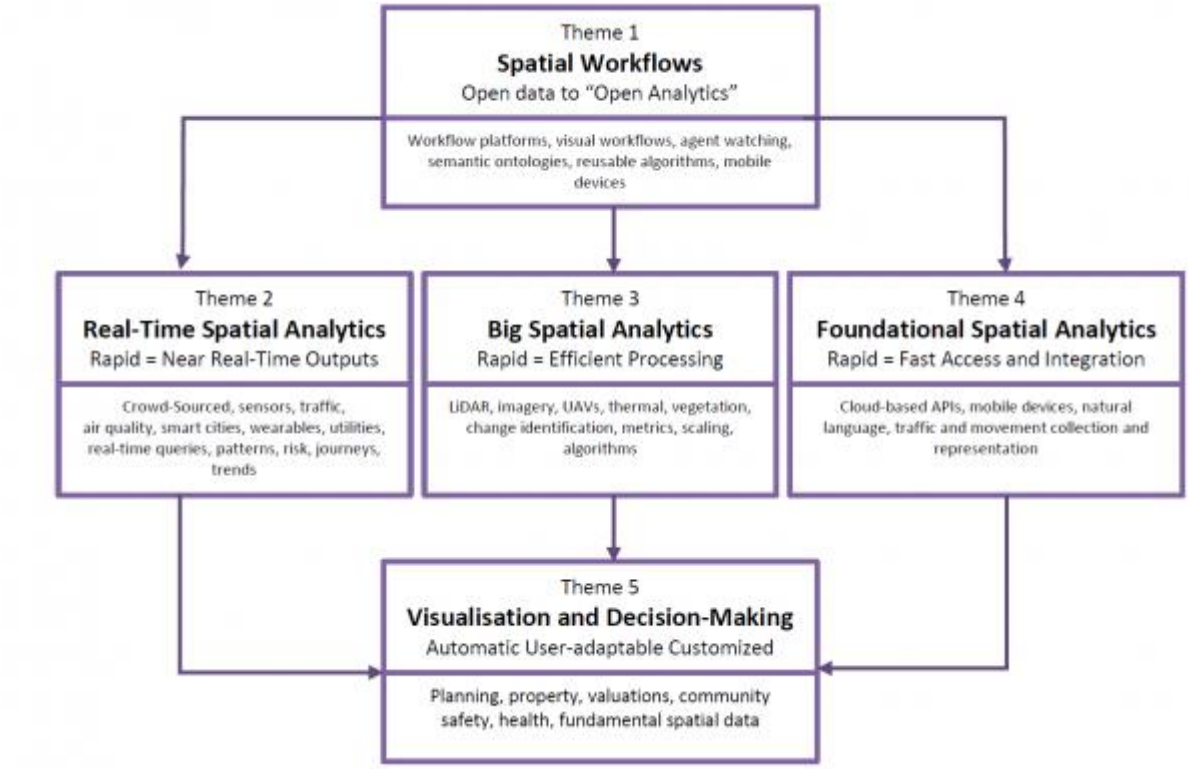
Developing a series of activities across Rapid Spatial Analytics

The CRCSI is working with partners to collaborate in the development and review of a series of activities across the Rapid Spatial Analytics (RSA) research program. The program is conducting research that improves the ability and efficiency of government and industry to rapidly create value to spatial information products using mobile and cloud infrastructure.

The RSA Program vision is centred on the word 'Rapid', which applies to the research areas and technology tackled, and also to the way this initiative is run: through fast-track projects delivering value-added results over a short period of time. In this way, the RSA Program combines all the ingredients for success, and takes the unprecedented step of generating applied-research projects emerging from the real needs of partners while fostering openness and collaboration.

In July 2015, the RSA Program hosted a workshop with 18 participants representing 43pl members, essential partners and the CRCSI. The RSA Program discussion revolved around five carefully selected themes: Spatial Workflows, Real-Time Spatial Analytics, Big Spatial Analytics, Foundational Spatial Analytics and Visualisation and Decision-Making (as shown below).



The diagram depicts how "Spatial Workflows" serves an overlay to cover and enable the remaining themes, whereas "Visualisation and Decision-Making" is a common output for data communication and representation for all themes. The term "Rapid" is present in each and every theme, but what does rapid mean then? Here the concept has different meanings for each area of application. Rapid can be "near real-time provision of outputs" (Real-Time Spatial Analytics), it is also means "efficient processing" (Big Spatial Analytics) and is "fast access and integration of data" (Foundational Spatial Analytics).