Building City Dashboards
The Cork Dashboard

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Background

The Building City Dashboards project is a Science Foundation Ireland funded project that seeks to design and build interactive and accessible webpages for use by citizens, businesses and local authorities to access real-time and historic information about their city and region. The information displayed on these webpages, known as city dashboards, is varied and can include traffic, travel, weather, services, housing, education, health and employment. The new **Cork Dashboard** hosts a suite of data visualisations and interactive maps for the geographical and administrative areas of Cork City and Cork County Councils. The Cork Dashboard was developed by researchers on the Building City Dashboards team based in Maynooth University in conjunction with Cork Smart Gateway.

Modules

The Cork dashboard is organised according to modules or subpages that either **a)** Visualise data for Cork using interactive maps and graphs or **b)** Navigate the user to existing data tools and data sources for Cork. See below menu for the categorisation of the modules or subpages (Figure 1).

Data

There are real-time and static datasets to explore on the Cork Dashboard (Table 1). These datasets are updated at intervals ranging from 5 minutes (e.g. Cork Bikes) to 5 years (e.g. Irish Census).

Table 1. Static and Real-time datasets on the dashboard

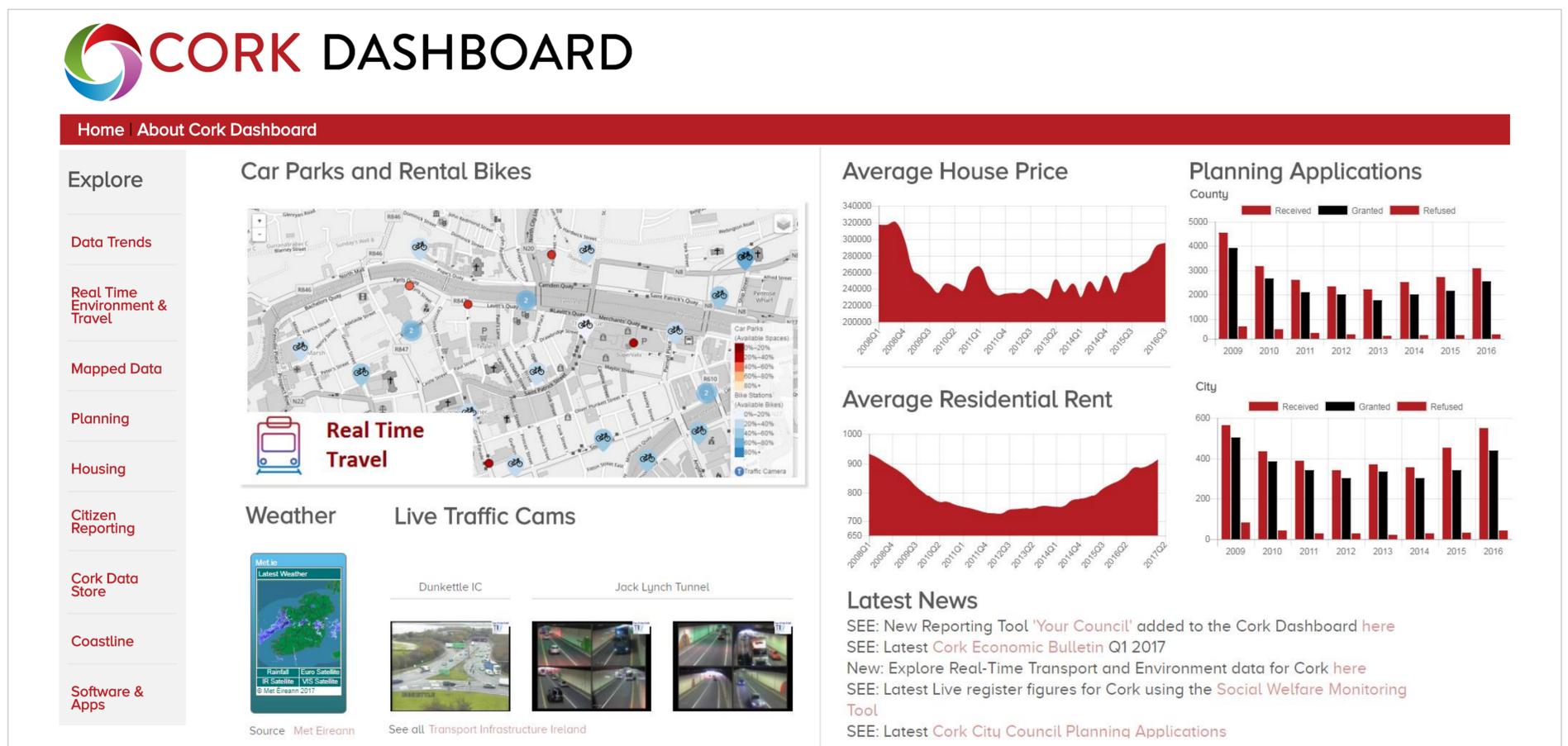| Static data	Real-time data
Industry & employment	Weather
Environment & transport	Air quality
Housing	Water levels
Health & education	Cork bikes
Population	Car spaces
Crime & emergency services	Traffic cameras

Figure 1. Extract from the Cork Dashboard Landing page with real-time and static data

Future work

The Cork Dashboard will continue to be developed as new datasets become openly available. In addition the usability and user experience of the Cork Dashboard will be improved following an in-depth user study conducted by the Building City Dashboards team involving a broad range of dashboard users including citizens, local authority staff and our data partners. Other areas for future work include the use of official geospatial data from the Ordnance Survey Ireland with new data visualisation techniques such as Virtual and Augmented Reality (VR & AR).

Acknowledgements

For more information

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