This is the story of **Cait's** commute. Cait takes public transportation to school at UCD in the morning, using publically available real-time information along her commute.

Images are illustrative of available data, not necessarily of any aesthetic nature of that data.

Data involved:

- Routing (Google Maps?)
- LUAS map + real-time
- Bus planned actual time sample
- Sound model
- Sound real-time
- Average housing value

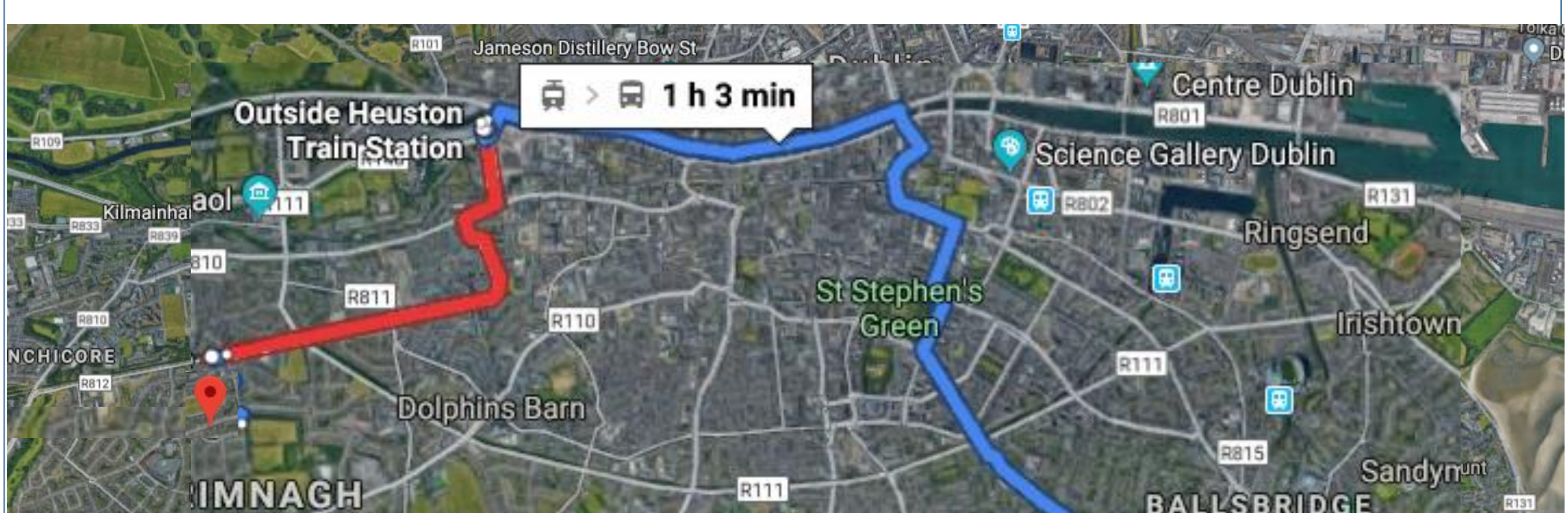
**07:45**

Cait needs to get from her home in Drimnagh to her course at UCD by 9:15

Google Maps

Her normal route takes her on the LUAS Red Line into town, where she transfers to the 145 bus

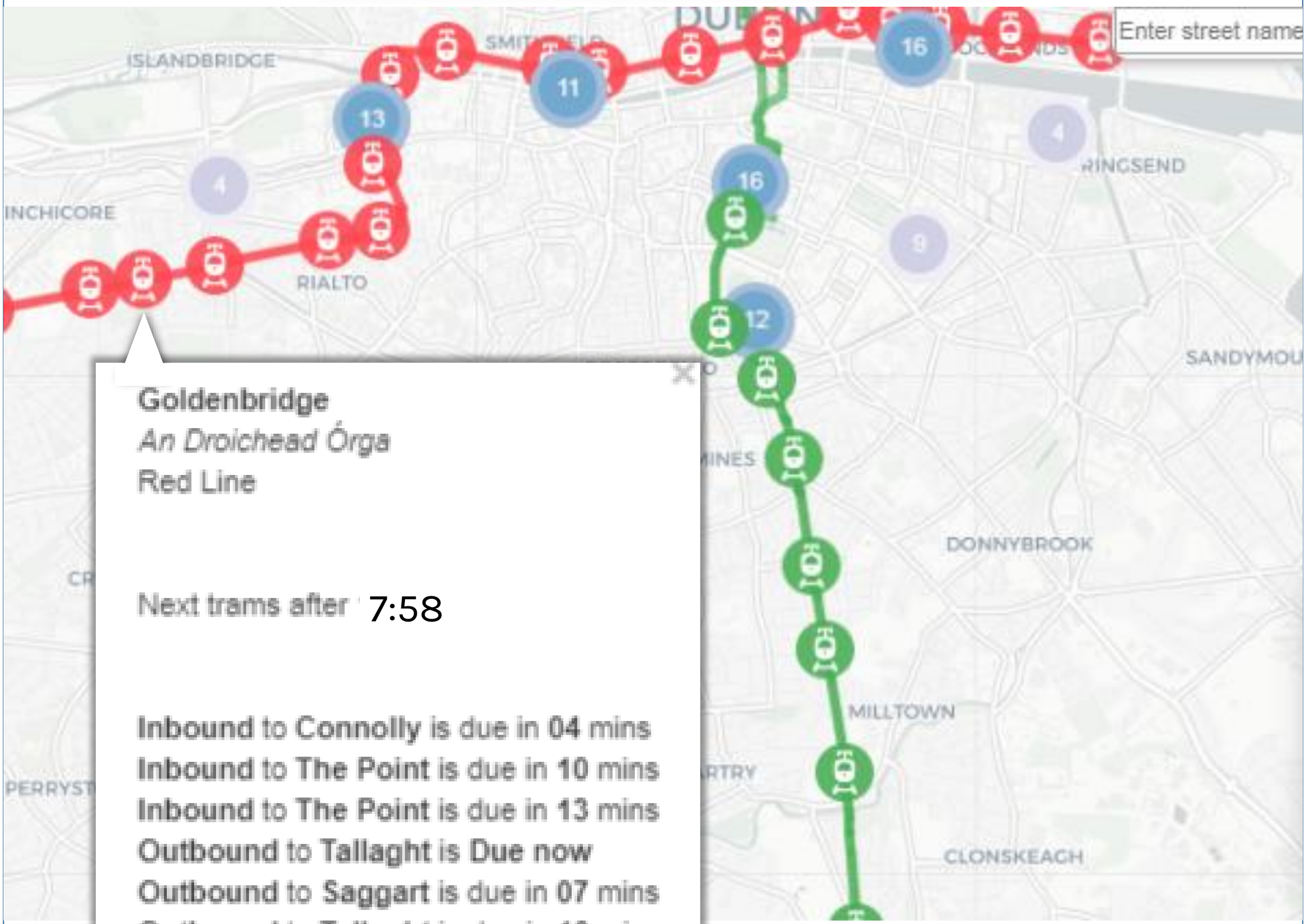
Google Maps



**07:58**

It takes Cait 10 minutes to walk to Goldenbridge Station, perfect timing to catch one of the two trains going to the Point.

Dublin Dashboard
LUAS real-time interface



**08:08**

Cait catches the 8:08 Red Line LUAS toward the Point

When the train nears the station, Cait glances at the Real Time bus arrivals information. She knows from experience that if the 145 is late, she will fail to make it to class on time.

**08:12**

When her expected 145 bus expected to arrive at 8:20 is not listed on the digital display, she elects for plan B…

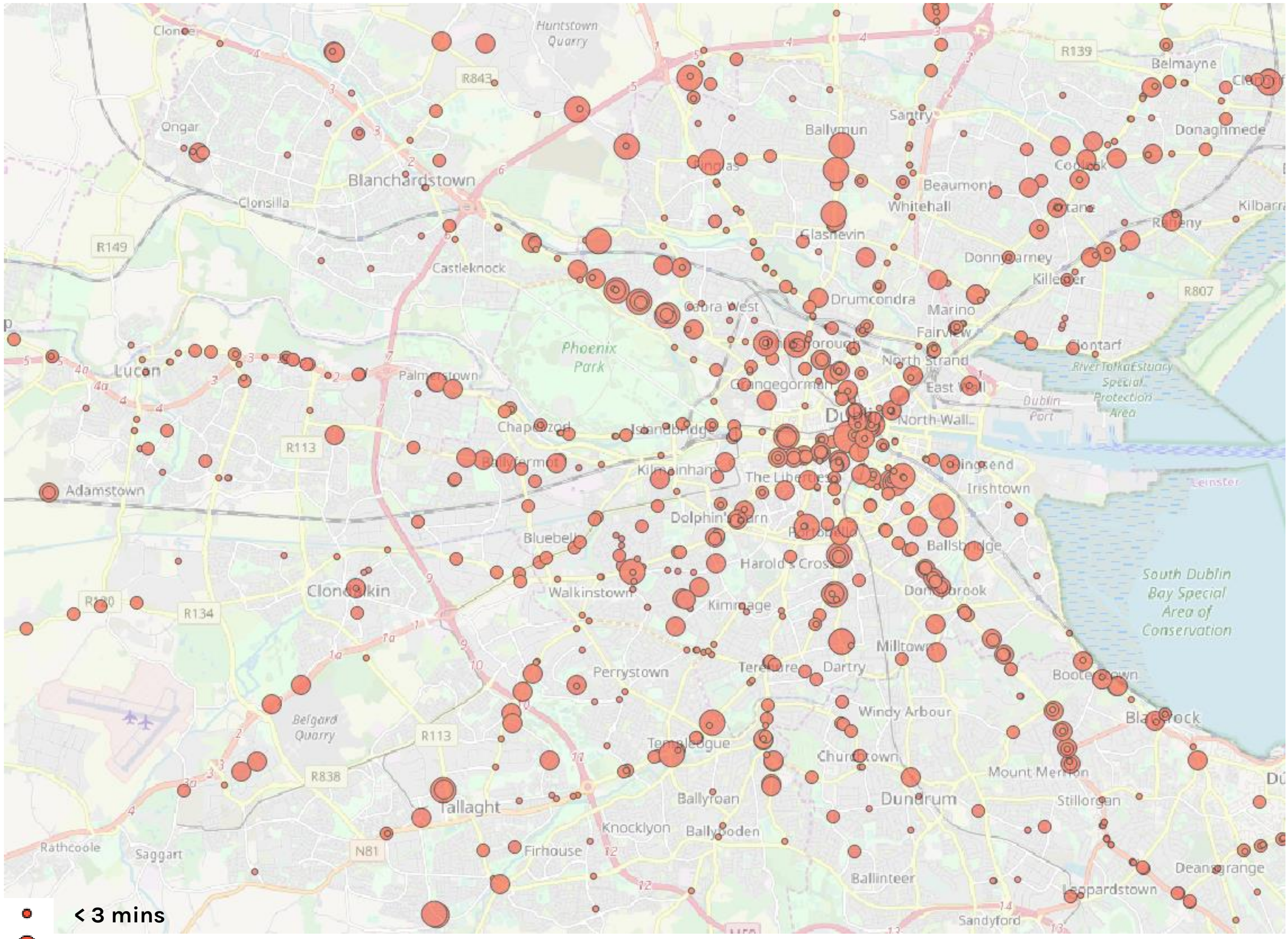
**08:12**

… riding the LUAS to the Four Courts stop and taking the 39a to UCD

Google Maps

Explore where in the city busses tend to be late on a normal weekday by using the time slider

TII Planned Actual Times bus sample January 2017



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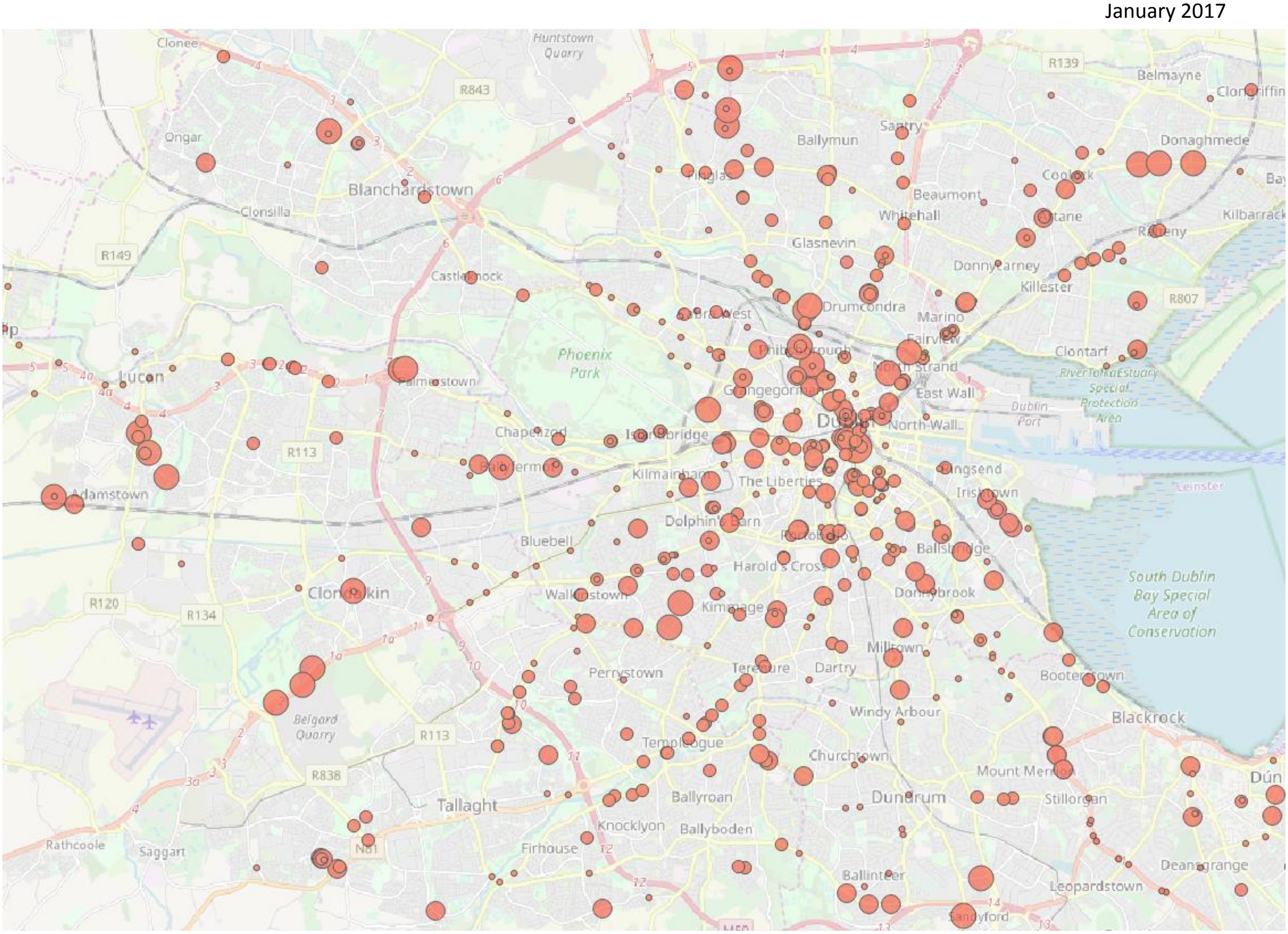
TII Planned Actual Times bus sample January 2017




< 3 mins

3 – 5 mins

5 – 10 mins

10 – 20 mins

20 + mins

17:00

**08:17**

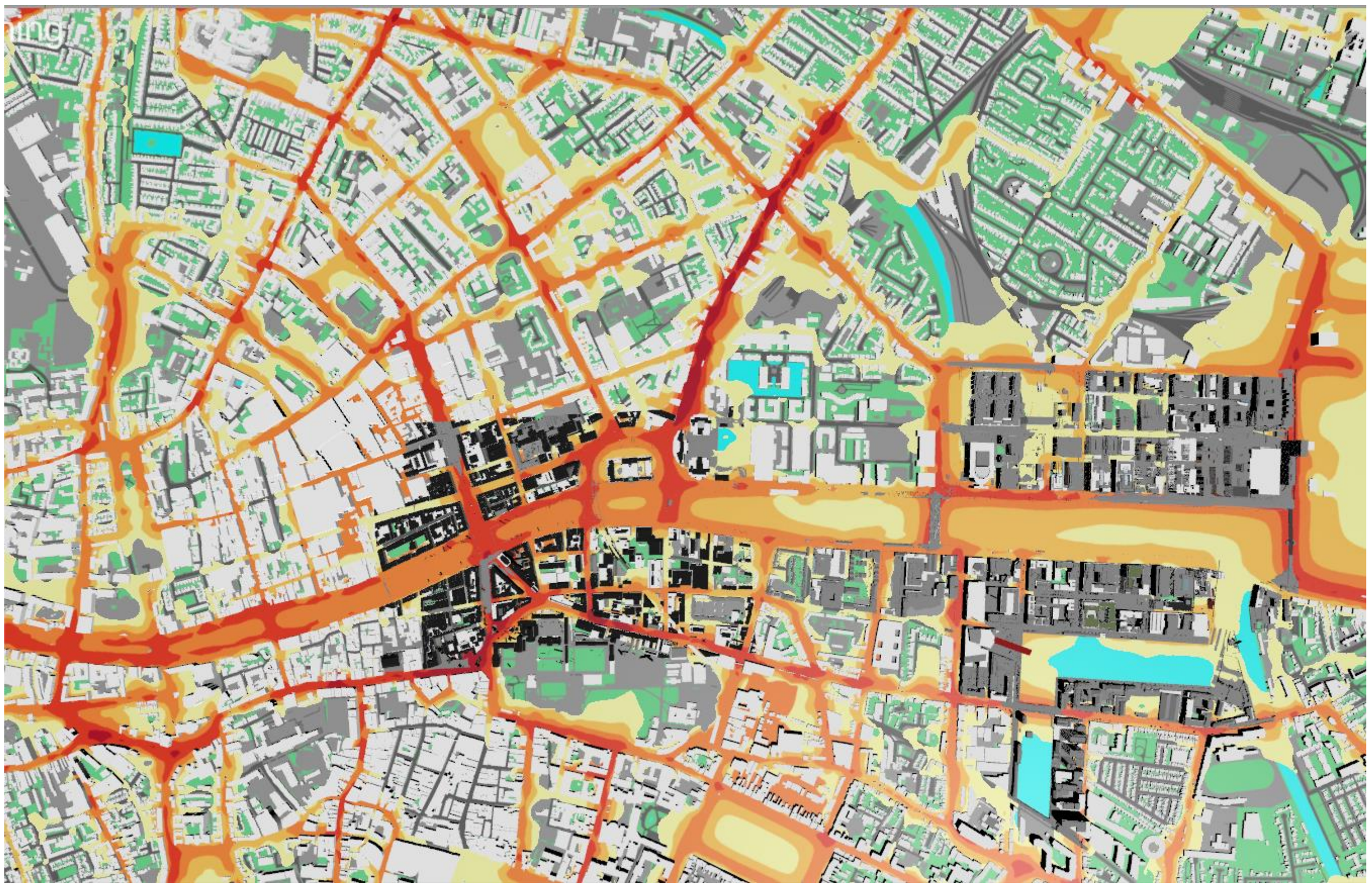
Cait leaves the train and walks toward Inns Quay to catch the bus.

Cait turns the volume up on her phone to hear her music better over the sounds of the street.

Sound is usually high here, a confluence of vehicle and LUAS traffic, children at the nearby school, and commuters on their way to work.

DCC models regular sound output in Dublin for these factors and more.  View the output from 2017

DCC sound model results for 2017

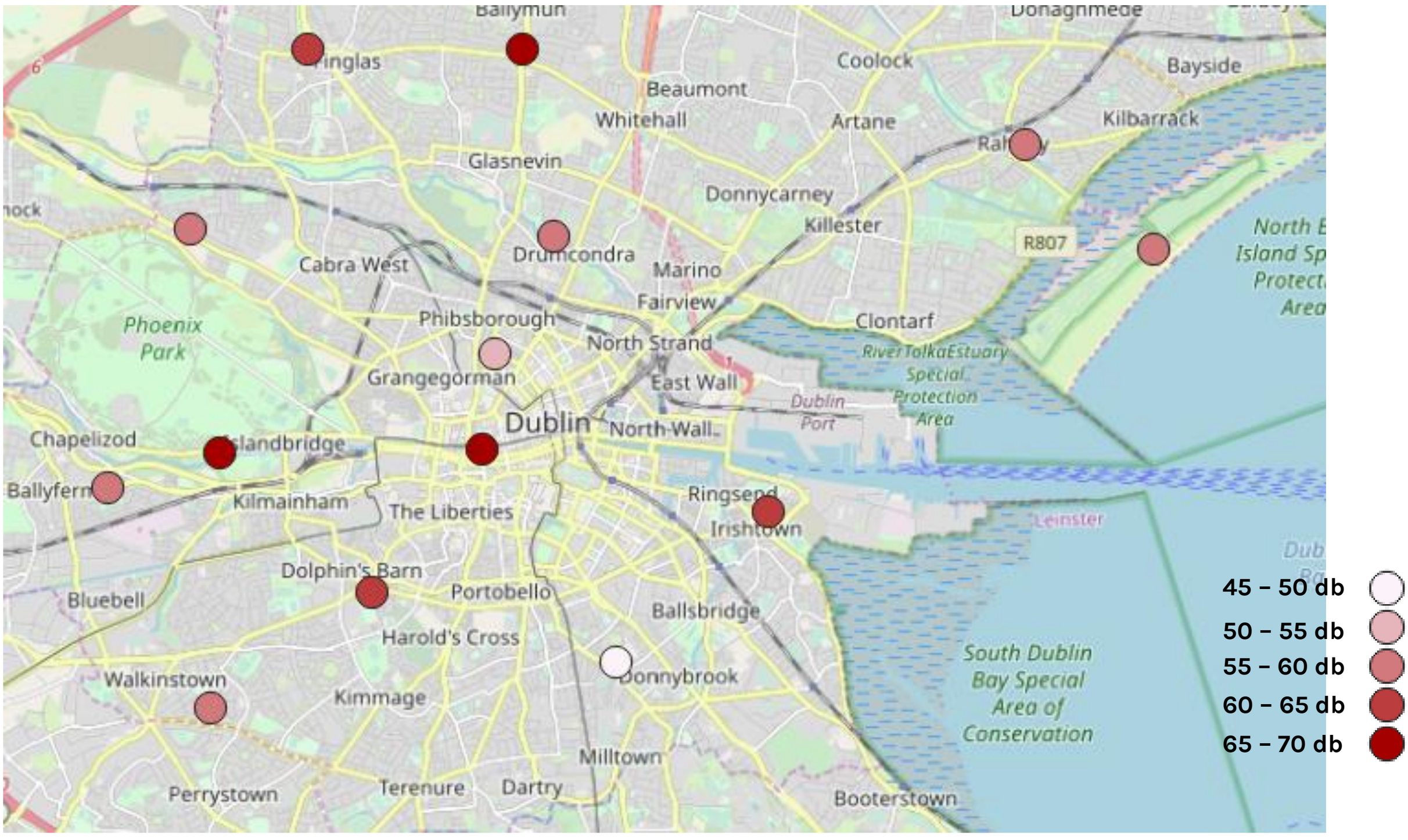


DCC also monitors for sound anomalies in real time. 14 sensors are scattered over the city measuring sound in parks and busy roads.

There is a sensor in Chancery Park near where Cait is walking to catch the bus.

# Explore the recorded sound in real time

DCC sound monitors real-time



When the volume on her phone will not go any higher and she still can't hear as well as she would like, she notes the abnormally high combination of vehicles and construction noise.

**08:25**

As Cait boards the bus and settles in for a 45 minute ride to UCD, she begins to think whether she can afford to live closer to campus and shorten her commute