

Recording the Biodiversity of Maynooth University Campus using OpenStreetMap

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Maynooth University Local Geography

- Maynooth University is situated 25km west of Dublin city centre and is just beyond the border between Co. Dublin and Co. Kildare.
- It comprises two campuses that are split by a regional road, the R148.
- The old campus was opened in 1795 and has buildings that mainly date from the 19th century while the buildings on the North Campus appeared from the late 20th century onwards

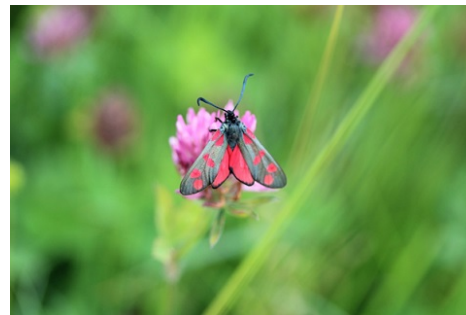
Green Campus and Biodiversity

- MU has been involved in the *An Taisce* Green Campus initiative
- The MU Biodiversity Working Group has collected significant data on habitats, insects, plants and birds found on the campus
- It would be useful to make this data publically available

Biodiversity Map

- A Web-based Biodiversity map was created using OpenStreet Map
- It is interactive and information is available over multiple layers that can be toggled on/off
- Each map layer is created using GeoJSON
- Leaflet was the main library used

Images



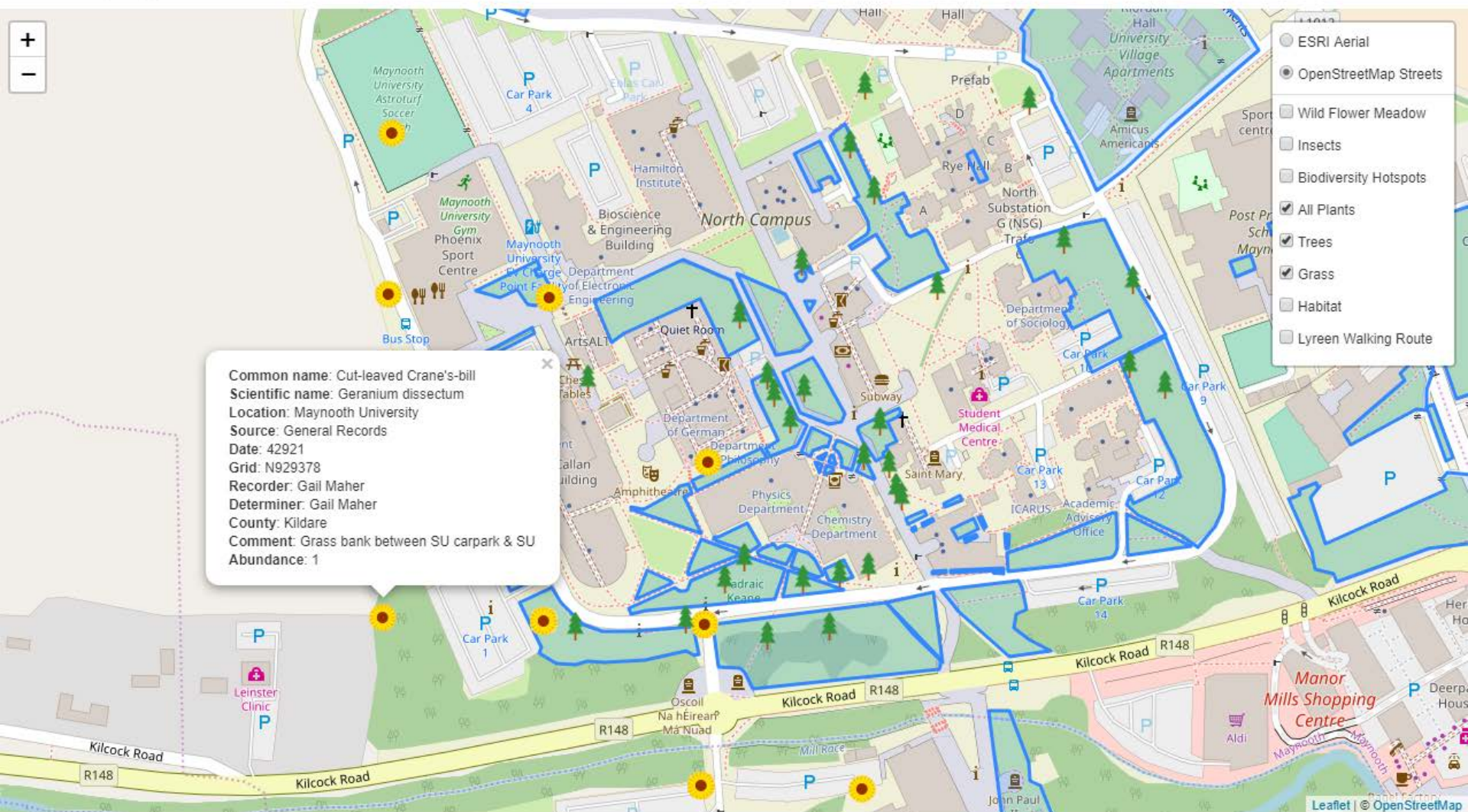
Maynooth University Biodiversity Map

Click the  icon in the top right of the map to get started! Select a layer, then click an icon on the map for more details.




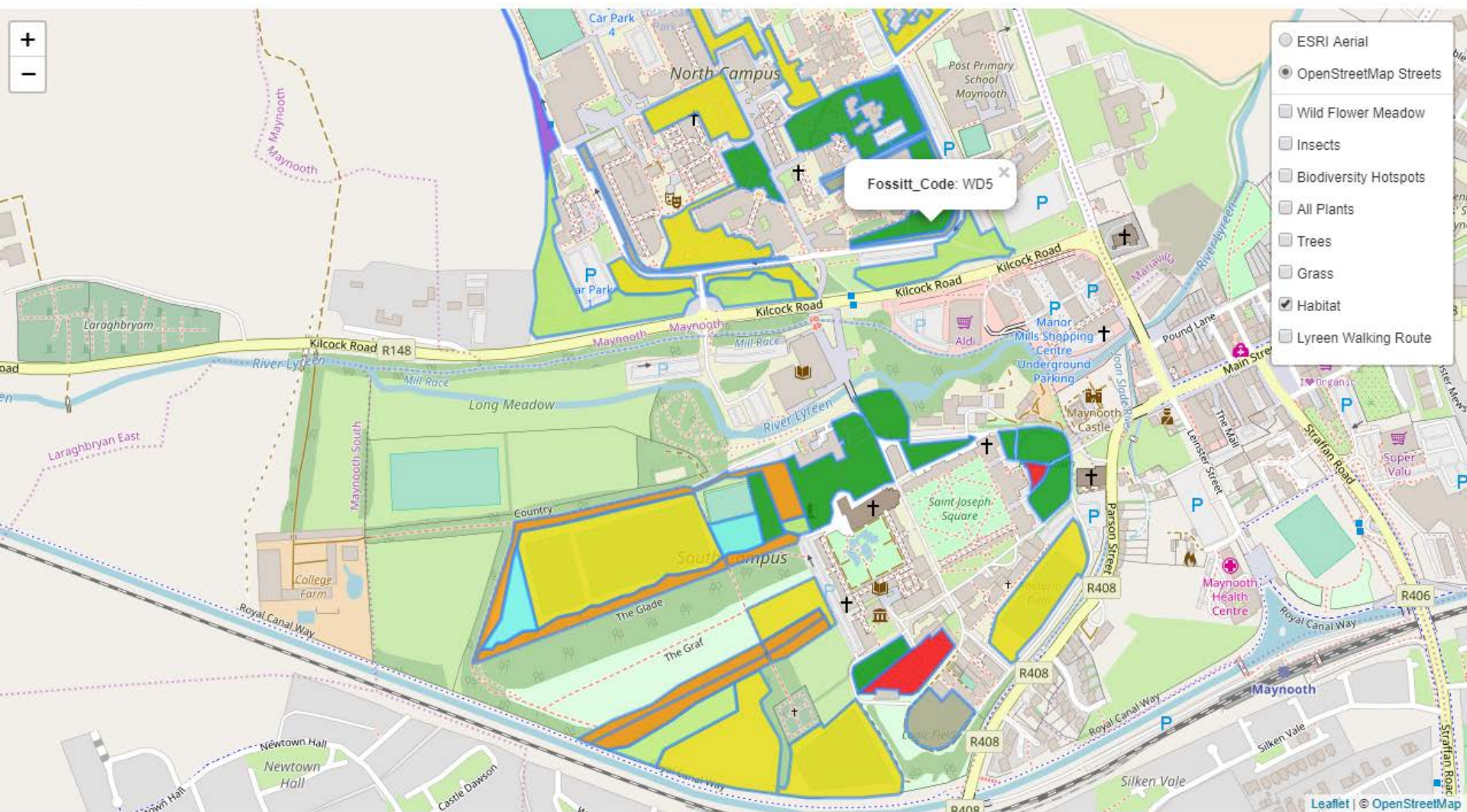
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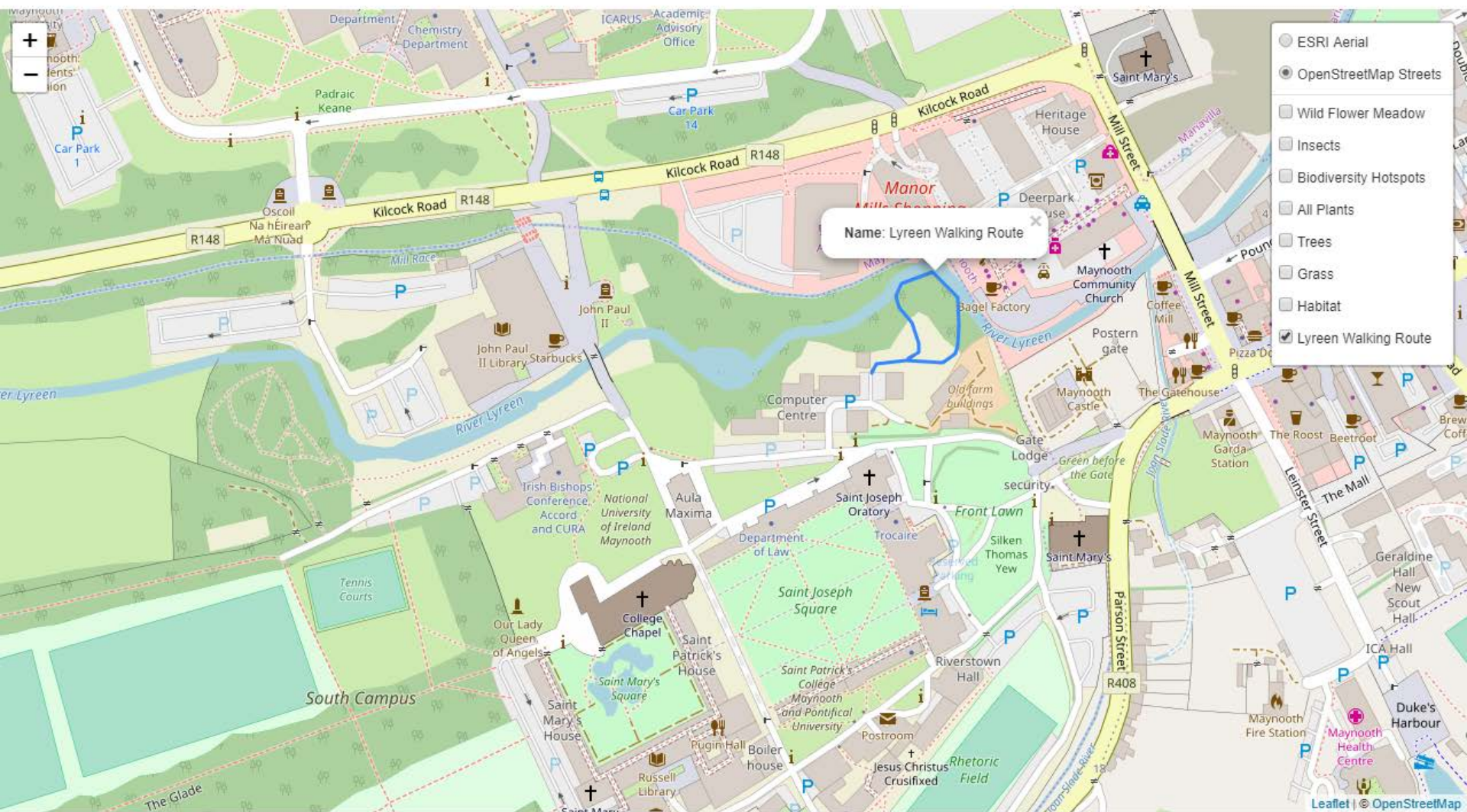
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Future Work

- To further develop the educational aspects of the map
- Connect with National Biodiversity centre database and facilitate recording of new data
- Develop a mobile app around the map that can be used to promotes walking trails, particularly for visitors to the campus