



SAFE ROUTE

Why is cycling in Dublin an issue?

- Between 2018 and 2022, 41 cyclists were fatally injured, and 1,327 cyclists were seriously injured
- 20% of fatalities occurred in Dublin.
- 81% of serious cycling accidents occurred on urban roads.
- 47% of serious injuries occurred at a junction.
- 73% of fatalities occurred due to a collision with another vehicle
- 81% of serious injuries occurred on a straight road.

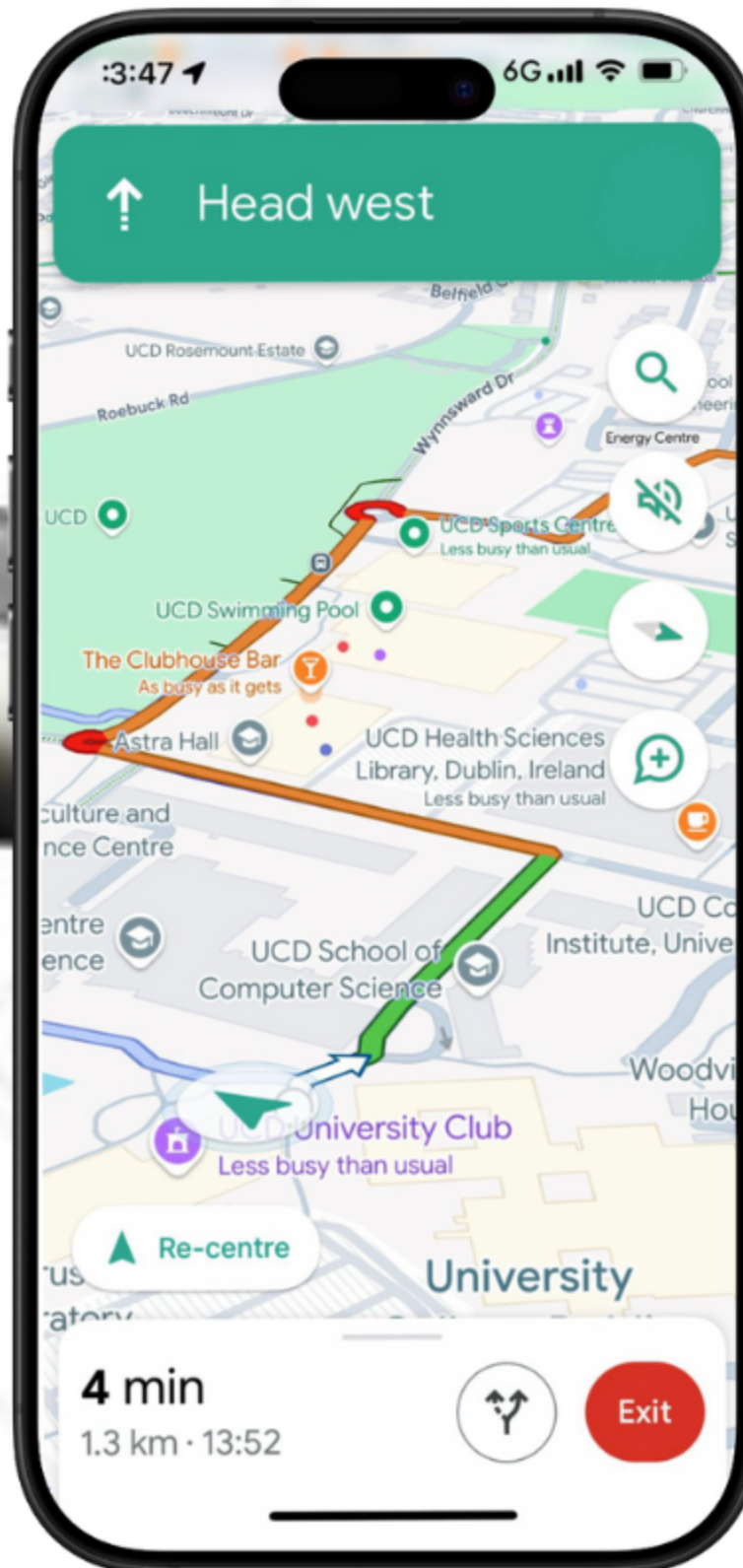
Source: RSA (2023). Cyclist spotlight report: fatalities and serious injuries. RSA

Our solution – The Safe Route app

- Safe Route will without cost provide users a bicycle route to get to where they want to be as efficiently and safely as possible.
 - It will give live directions, as well as informing users of dangerous points and risk zones.
- + it can also be used for other types of cycling, such as exercising, sightseeing, and leisure.

How does Safe Route work?

- Safe Route will provide the safest, quickest, and shortest route, based on:
 - Quality of the cycle paths
 - Current usage, (possible congestion)
 - Route and junction safety
 - Aesthetic qualities
- + Users will be able to update in real time information about quality of bike lanes and accidents, further improving the app.



- Legend
- Safe cycling route
 - Safe road route
 - Dangerous route

Benefit to UCD Students

- UCD students will become aware of safer routes when cycling to, from, and around the campus. This could encourage cycling instead of driving for short distances or taking the bus for only a few stops.
- After implementation of the proposed cycling lane development all around Dublin (NTA, 2022) this app will be useful to introduce new on-campus routes.
- It would be free of cost, promoted on Brightspace and around the campus, allowing all students to access it.

Future Expectations

- After implementation in UCD, Safe route will be made available to other colleges and universities in Dublin, Ireland and later able to be utilised by the general public
- Data gathered from Safe Route will be used by DCC and other county councils to develop and maintain safer bike paths and lanes.
 - fixing broken surfaces, path obstructions such as overgrown trees/hedges, absence of bike path/lane etc.
- The collected data will be used in ad campaigns to help promote cycling as a sustainable mode of transport .