


# Quality of road access to the diagonal campus of the university of Barcelona

2016

 **University**  
University of Barcelona  
**Country**  
Spain

**Location**   
Urban

**Size**   
30,000-40,000

**Mobility Organizational Structure**   
*Office for Safety, Health and The Environment (OSSMA)*

## Summary

As a complement to the Diagnosis of Mobility in University of Barcelona centres on the Diagonal Campus – Knowledge Portal, it was decided to make a more exhaustive and detailed study of the quality of the roads providing access to each of the UB centres located on the Diagonal Campus.

This analysis enabled the detection of deficiencies, to improve access by foot and thus promote sustainable, healthy transport. The results obtained were presented before the University Mobility Board to co-ordinate the actions to be taken.

## Aims

- Determine the overall quality of the university campus access routes by calculating a general quality indicator.
- Detect deficiencies regarding accessibility, safety and connectivity on the campus.
- Carry out the required improvements on the campus access routes.
- Promote sustainable and healthy access to the campus.
- Reduce the impact of required mobility for studying or working at the university.

## Stakeholders

Although the document has been created by the University of Barcelona, any improvement actions will have to be coordinated by the Mobility Board of the Universities of the district of Les Corts (Barcelona City Council, Polytechnic University of Catalonia and the University of Barcelona).

## Background

Not available.

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### Description

The scope of the study included all public streets and roads owned by the municipality, the Regional Council of Barcelona as well as those of the UB located within a radius of 300 metres from the point of access to UB centres on the Diagonal Campus.

The field work analysed a series of variables that enabled calculating an overall quality index for the pathways, for example the width of the pavements, the condition of the pavements, the presence of unlit areas and urban furniture, architectural barriers, slope, signalling, zebra crossings and other safety aspects (lighting, number of accidents over the last few years...).

The activities performed have been:

- Creation of the document and field work.
- Presentation of the document to members of the Mobility Board of the Universities.

The next step to be taken is the execution of the improvements considered necessary by the Mobility Board.



### Indicators

Quality indicator for access routes to the Diagonal Campus.



### Results

The creation of this document has enabled the condition of Diagonal Campus access routes to be determined, along with the detection of deficient and conflictive points, as well as strengths.



### Expense

The final cost will depend on the actions derived from the study.



### Financing

The study was performed with resources provided by the office – OSSMA.

 Findings

This study will enable the proposal of actions for improvement, to achieve a safer and more accessible campus. This will enable the integration of the University campus into the City of Barcelona and the promotion of sustainable mobility in all centres of the campus through actions aimed at accessibility on foot.

 Pictures



Fig. 1. Results of the general quality indicator for access routes to the Diagonal Campus



Fig. 2. Detection of pathway without access ramp



Fig. 3. Temporary architectural barriers due to road works



Fig. 4. Motorcycles parked on the pavement making pedestrian transit difficult

 Pictures

Fig. 5. Unpaved pathways in bad condition

 Links

- <http://www.ub.edu/ossma/wp-content/uploads/2016/10/qualitat-vial-diag16-tot.pdf>
- [http://www.ub.edu/ossma/wp-content/uploads/2016/03/pm\\_diagonal\\_diagnosi.pdf](http://www.ub.edu/ossma/wp-content/uploads/2016/03/pm_diagonal_diagnosi.pdf)
- <http://www.ub.edu/ossma/wp-content/uploads/2016/03/pm-diagonal-2014.pdf>

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