

Spanish Mountain Bike routes powered by EGNOS

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[IMBA Spain](#) has recently published a new version of its [Signaling Manual](#), which establishes the procedure and associated methods to plan, prepare, certify, inspect and promote MTB centers, spaces and routes. Out of the many activities IMBA Spain conducts, maybe the most important one, is the definition of a harmonized procedure to build and develop networks of sustainable trails and routes. Some projects may consist of hundreds or even thousands of kilometers, ensuring access of MTB bikers while improving existing ones.

The Signaling Manual is used by Spanish companies and institutions as the reference guide to deploy guidance signals and information panels along routes that are either newly developed or re-inspected from time to time. The main objective of the signaling and its deployment methodology is to ensure that bikers will be able to safely follow the route from origin to destination.

One of the most important tools used during trail signaling campaigns are GPS devices. On the one hand, position coordinates for each of the signs or panels

deployed along the routes are taken by signaling technicians. This information is then used in the preparation of the final dossiers to be delivered to public entities. In those cases where a route is not physically signaled (for example in routes established within protected natural areas where it is preferred to not visually pollute the landscape), the devices are used to record accurate tracklogs which are then made available, to all bikers, through specialized Mountain Biking websites.

In the last version of the Signaling Manual, the use of EGNOS is highly recommended as a means to increase the accuracy of both surveyed signals and tracklogs, reducing potential errors and subsequent corrections when working with these data into Geographic Information Systems (GIS). If you want to know more about [EGNOS](#), contact egnos-helpdesk@essp-sas.eu.

About IMBA Spain

IMBA Spain is a non-profit association whose mission is to secure and enhance sustainable trails access for mountain bikers and communities across Spain. IMBA Spain is also a member of [IMBA Europe](#).