

# BikeAlyze – Evaluation of Methods for Analysing the Interaction Between Cyclists and their Environment

BIKEALYZE evaluates the methods (1) mobile eye tracking, (2) GPS and sensor-based motion data acquisition and (3) video-based data acquisition for analyzing the interaction of cyclists with their environment in the context of a naturalistic cycling study.

Results of the project (1) evaluate the different methods concerning feasibility and added value, (2) identify and measure safety-critical events in the context of cycling infrastructure, (3) propose measures to increase bicycle safety and (4) define standards for conducting naturalistic cycling studies in Austria.



**2015 - 2016**

## **Client**

FFG - Österreichische  
Forschungsförderungsgesellschaft für  
innovatives-oesterreich.at

## **Partners**

Salzburg Research  
Prisma Solutions  
Factum Chaloupka & Risser OG  
Universität Salzburg, IFFB Geoinformatik –  
Z\_GIS

## **Project management**

Mellauner Michl (Project coordination)  
Förster Kirsten  
Gerlich Wolfgang  
Lorenz Florian  
Sulzberger Annemarie

## **Categories**

Research & Development  
Sustainability & Mobility