About

Spanish Mountain Tourism Cluster

Objectives

- Engage entities in innovative mountain tourism projects.
- Promote market development, research, products and services.
- Improve competitiveness and mountain sustainability.

Needs

- Fragmented sector
- Looking for differentiation
- Innovation needed

Spain

- 2nd Mountain ranking in EU
- 27% terrain over 1000m

Mountain Tourism in Spain

Working Groups

- Safety
- Commercialization
- Sustainability
- Product innovation

About Spanish Mountain Tourism Cluster
We are technological adventurers.
What are we looking for?

- Safety
- Efficiency
- Experience
Technology allows us to provide safety hidden behind efficiency and experience.
People aware of the risks cause less accidents

A. Ayora
Mountain Safety Expert
PROJECTS

Collaborative Navigation

Safe Trails
Run Fisher

Sensory Guidance

Acoustic Trail
Blind Explorer
Collaborative navigation
Creating solutions sharing and monitoring in real time users positioning and data.
SafeTrails
Wireless tracking system for the outdoors

Concept
Wireless tracking system for monitoring groups in the outdoors based on GPS and wireless communications

Benefits
- Personal positioning beacons
- Accurate GPS positioning
- Large groups real time tracking
- No mobile phone coverage required
- Safety and alarms management
Beacons

No phone coverage required

APP

Internet access

Server
Snow avalanche rescue
**Concept**

Real time monitoring system enabling automatic detection and identification in control points of people competing in mountain sports.

**Benefits**

- Personal wireless beacon
- Wearable and extra low consumption
- Cost and effort reduction
- Real time monitoring
Sensory Guidance
Enhancing people capacities for moving autonomously and safely in the outdoors.
AcousticTrail
First eyes/hands free GPS for the outdoors

Concept
Intuitive sensory navigation tool based on accurate GPS and 3D sounds. It supports mountain sport likers by guiding them along unknown tracks, without taking eyes off the trail.

Benefits
Navigate without getting lost
Eyes-hands-mind free guidance
Don't stop for consulting maps or GPS
It makes smartphone useful
BlindExplorer

Personal guidance system for blind people

**Concept**

Accessible guidance system enabling autonomous navigation for blind and visually impaired people in the outdoors.
Integrates high accuracy and Augmented Acoustic Reality in acoustictrail.

**Benefits**

- Autonomous navigation for the blind
- Increasing user experience and safety
- Accessibility in adventure tourism
- Providing accessibility to the outdoors
Accessible Apps  Proper H-M Interfaces  Accurate positioning

3D sounds

Augmented Satellite Navigation Technologies

1m accuracy

Relatives and friends

Public authorities

GEKO NAVSAT

3rd UNWTO Euro-Asian Mountain Resort Conference  4-7 April 2017   Tbilisi - Georgia
We love challenges. Let us know yours.