# MOVE – workshop on tracking recreational behaviour

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Venue: To be announced

Time (tentative): 2 days October/November 2011. To be announced

The workshop will aim at development of concepts /semantics for analysis of GPS-based registration of recreational behaviour.

*The workshop will include:*

* Presentations by the organizers
* Invited presentations of case-studies
* Presentation from participants regarding the assignment

*A data set will be provided* to the participants one month ahead of the workshop. The data - covering Van Münster in the Eastern part of Switzerland – will include:

* Numerous GPS-tracks of hikers, mountain bikers, skiers, and snowshoers (points)
* A detailed digital elevation model (raster)
* A land cover map (polygons)
* Summer trails (polylines)

*Assignment:* participants are encouraged to acquaint themselves with the data set and prepare a presentation of considered analytical approaches. Prototype applications of the developed can also be presented. Participants are welcomed to base their presentation on methods previously developed.

*Analysis can (for instance) include:*

* Basic data handling:
  + Removal of erroneous points
  + Locations of stops
  + Extracts of tours (between stops)
* Analysis of places
  + Visitor loads on locations
  + Visitor loads on track segments (map matching must be considered)
* Analysis of tours
  + Length
  + Duration
  + Avg. speed
  + Various aggregates – like altitude difference, land cover distribution, visibility characteristics etc.
* Choices made along the route