The Chamrousse ski resort (https://www.chamrousse.com/), CEA-LETI (http://www.leti-cea.fr) and Wise-IoT project (http://wise-iot.eu) join forces and invite developers to come and imagine the ski resort of the future through a one-day hackathon. Reserved to the developers, the hackathon, taking place in Chamrousse, proposes to imagine an innovative application by taking advantage of the developments performed within the Wise-IoT project, including the Eclipse sensiNact platform, ski sensors from PIQ and LoRa band devices from Solu-M.

The participants will be able to access data from various sources such as

- GPS Position of the skier (using the LoRa band from SoluM);
- Statistics of the skier (descent height, air time, smoothness of the landing, complexity of the jump,…) from the PIQ Robot of PIQ (https://piq.com/ski);
- Weather information (temperature, strength of the wind, direction of the wind) from various web services, as well as webcams of the station
- And any other data sources that you can add!

All data can be gathered by using the Eclipse sensiNact platform (https://projects.eclipse.org/projects/technology.sensinact/)

The objective is to imagine the most innovative and attractive application, targeting skiers, ski resort operators or any other end-users.

Need inspiration? Checkout: https://goo.gl/LnKhof

You will have the possibility to test your application on the slopes, with a **full day ski pass and the devices** that will be lent to you. You will then present your application to the jury and have the chance of winning **a surprise prize**!

Schedule of the hackathon:

A preliminary training session will take in place during the Eclipse IoT Days on January 18th in the campus at the address: IMAG Building, Domaine Universitaire, 38400 Saint Martin d'Hères (https://www.liglab.fr/fr/util/acces-au-lig/batiment-imag)

The session will make an introduction to the APIs and data models to use to gather and interpret the data that can be collected from the data sources of the hackathon.

More information and schedule about the session can be found at: https://wiki.eclipse.org/Eclipse_IoT_Day_Grenoble_2018

The participants will then have the 19th of January to further explore the API and data and train until the practice day on the January 20th at the Chamrousse ski station. The event on the 20th will start at 09:00 am and last whole day until 6pm. The lunch and coffee will be offered by Chamrousse to the participants.

More information about the sessions can be found at:

http://www.festival-transfo.fr/agenda/147/13-hackathon-eclipse-iot-days-la-station-du-futur.htm

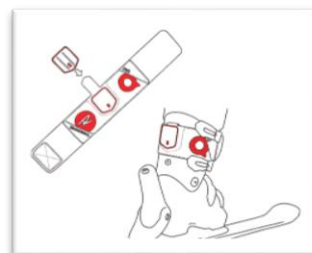You can participate alone or with a team! If you register as a team, all the members must register.

Registration for the training session on January 18th at the Eclipse IoT Days : https://goo.gl/JxXgtY

Registration for the hackathon on January 20th in Chamrousse: https://goo.gl/RaxPh7

The event is limited to 20 persons, so hurry up!

Monitoring station crowdnesss

PIQ sensors monitoring ski performance

Solu-M LORA tracking devices