In this lecture we present sensor technologies.
We will review the requirements for storing and viewing sensor data.

**Contact:** Rachel Cardell-Oliver

**Topics:**
Sensors and sensed phenomena (student presentations)

**Reading:**


http://climaps.com from Sensorscope at sensorscope.epfl.ch

http://cosm.com

WebSense: A lightweight and configurable application for publishing sensor network data,
Cardell-Oliver, R.; Huebner, C.; Foeller-Nord, M. 2011 Seventh International Conference on
Intelligent Sensors, Sensor Networks and Information Processing (ISSNIP),
Digital Object Identifier: 10.1109/ISSNIP.2011.6146524, 2011, Page(s): 235 – 240

**Homework Questions**

In the Friday lab we will put together an end-to-end sensor network, from sensor node to presentation layer.

In preparation for this, write and submit (by Tuesday 14th at 8am) a brief report on some sensor data of your choice.
Search for data sources from existing sensor networks.
What are the units, minimum, maximum, range, and patterns of that source?
Choose a tool for display (e.g. RRDtool, R, excel, jgraph, or matlab) and create a time series graph or other relevant format to display the sensor data.