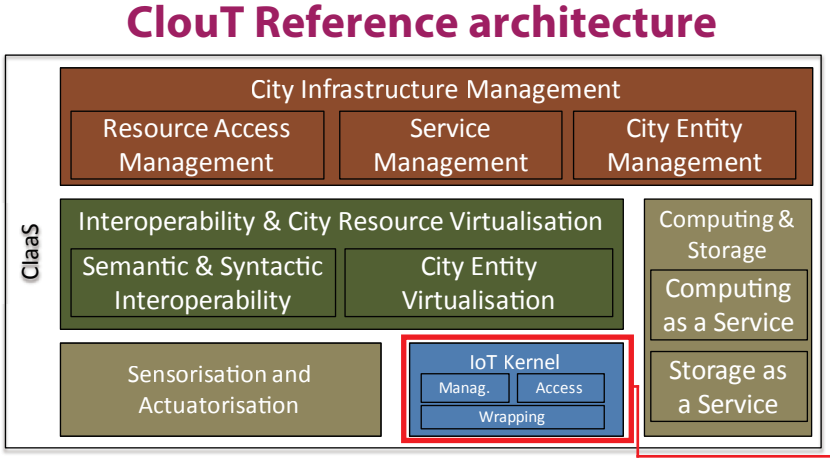
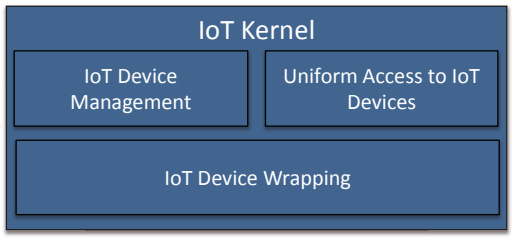
Cloud of Things for Smart Cities

A JOINT EUROPEAN-JAPANESE PROJECT

ClouT Reference architecture

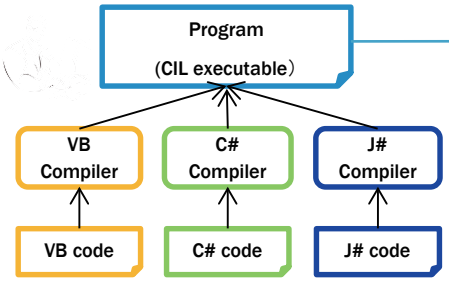


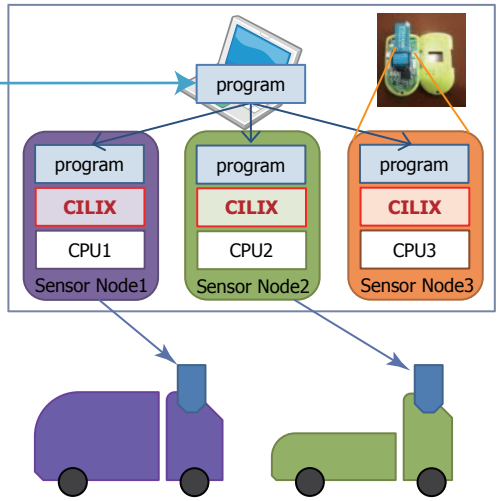


+Enable communicating with IoT devices and interacting with them
+Provide a proper set of interfaces to be offered by different implementations
+Provide virtualization techniques on top of different hardware platforms

CILIX: Virtual Machine for Wireless Sensor Network Applications

+Virtualize the hardware of sensor devices and separate the program code from the hardware



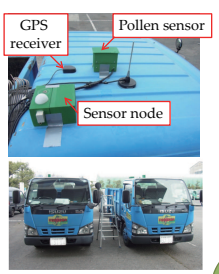


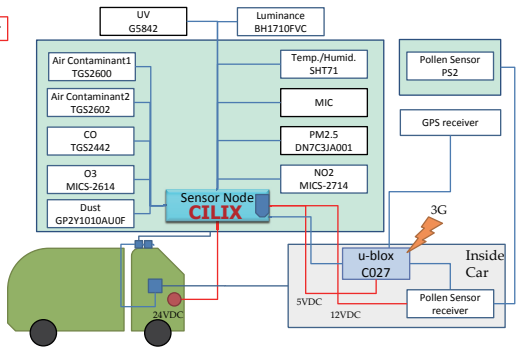
+Allow developing applications with CIL*-based program languages supported by .NET framework.
+The same program runs on different hardware platforms.

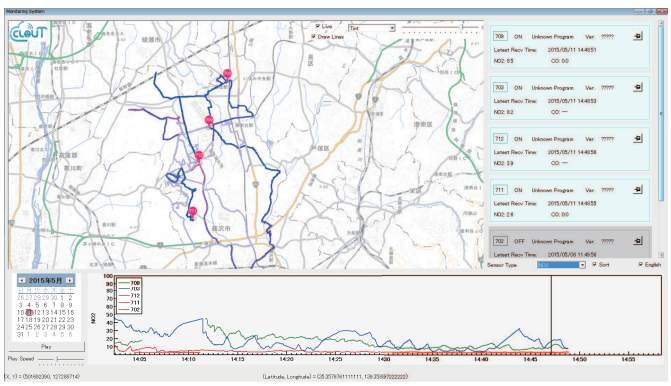
*CIL: Common Intermediate Language

Field Trials in Fujisawa-city

+Garbage trucks are sensorized by CILIX VM technology for mobile environmental sensing
+Collect 13 kinds of atmospheric sensor data in city-wide area
+Control center for real-time monitoring sensorized cars and visualizing sensor data on a map







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www.clout-project.eu