

Traitement de données pour le projet CLUE

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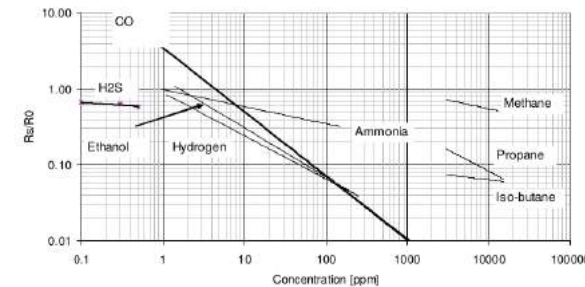
Capitoul
20/06/2019

- L'objectif du projet scientifique est d'équiper des vélos évoluant dans Toulouse d'un ensemble de capteurs afin d'étudier les déplacements des usagers, mais aussi de profiter du réseau de capteurs mobiles ainsi déployé pour collecter des informations sur l'environnement urbain.



le système: low cost !

- MSP430 + Bluetooth LE + 2Go micro SD
- boîtier impression 3D
- capteurs:
 - gaz: CO, NO₂ (MICS4514)
 - température, pression, humidité (BME280)
 - accéléromètre
 - GPS

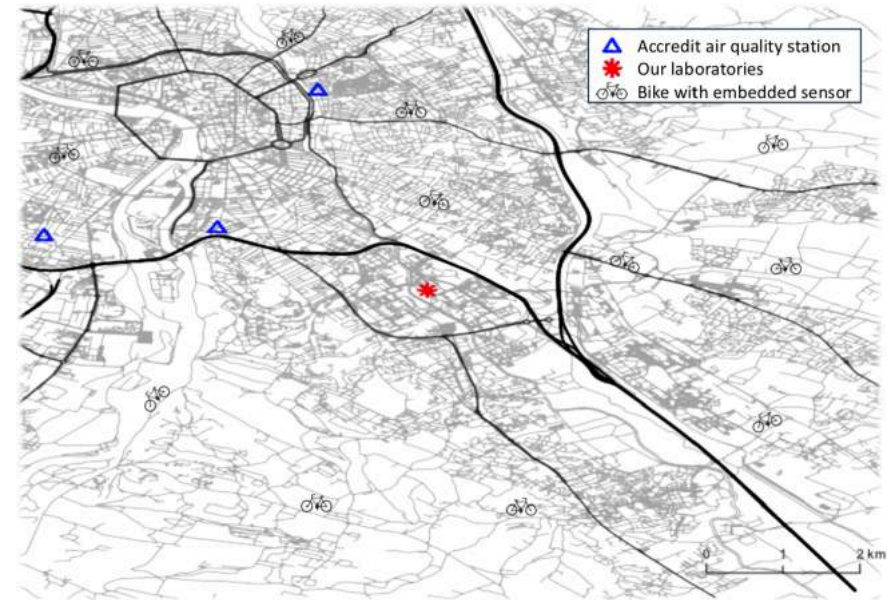




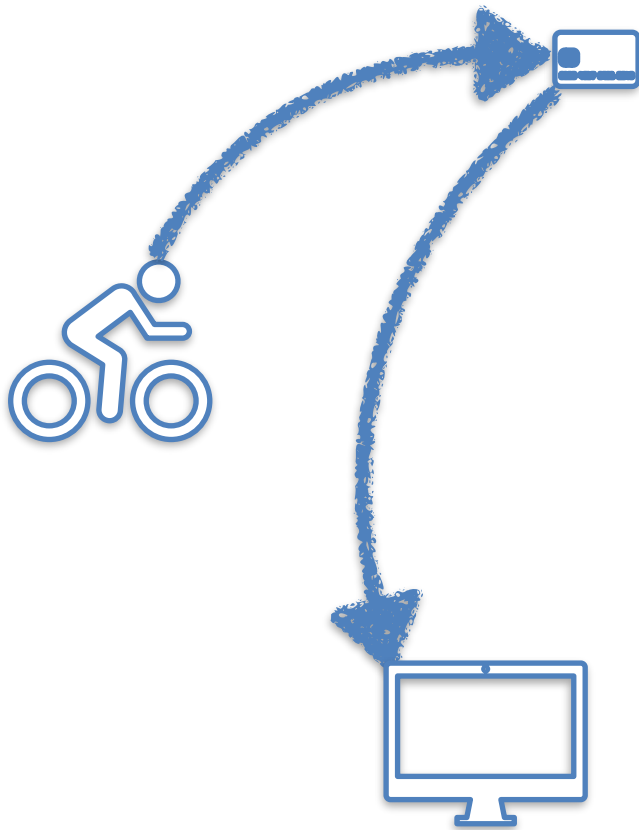
Du 03/08/2018
au 20/03/2019

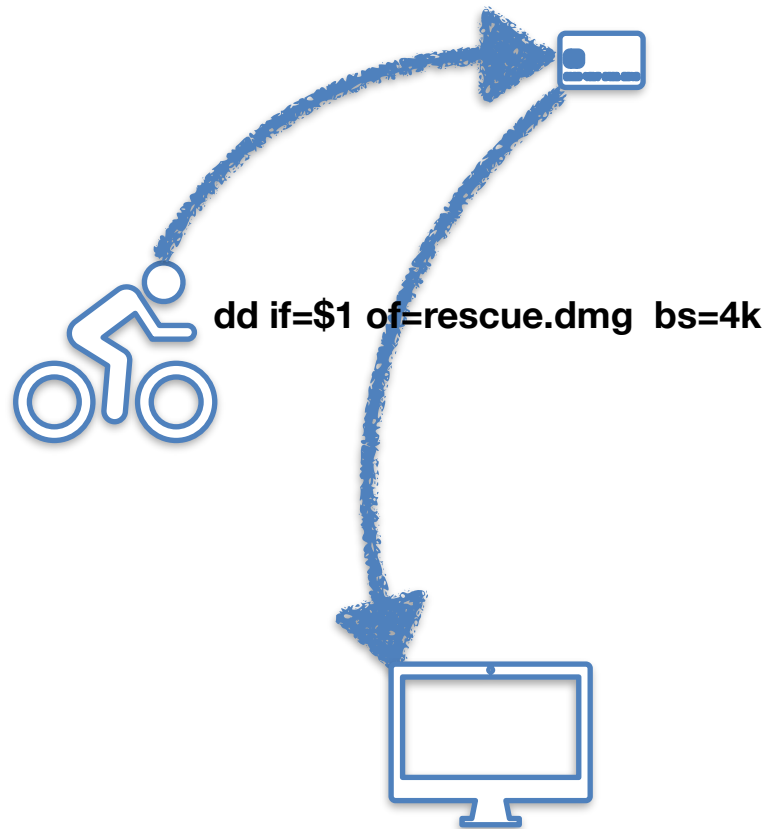


10 capteurs sur des vélos personnels



les données

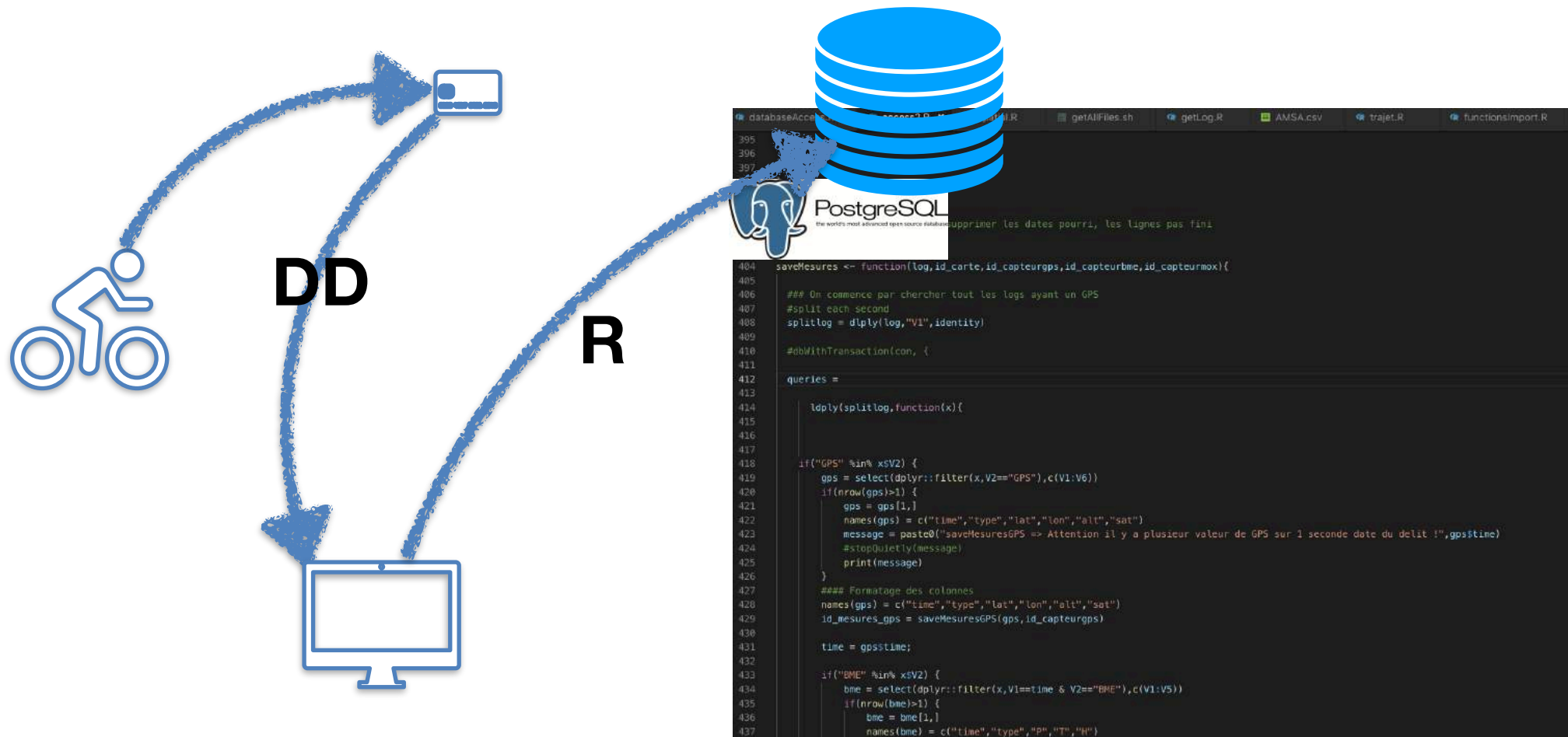




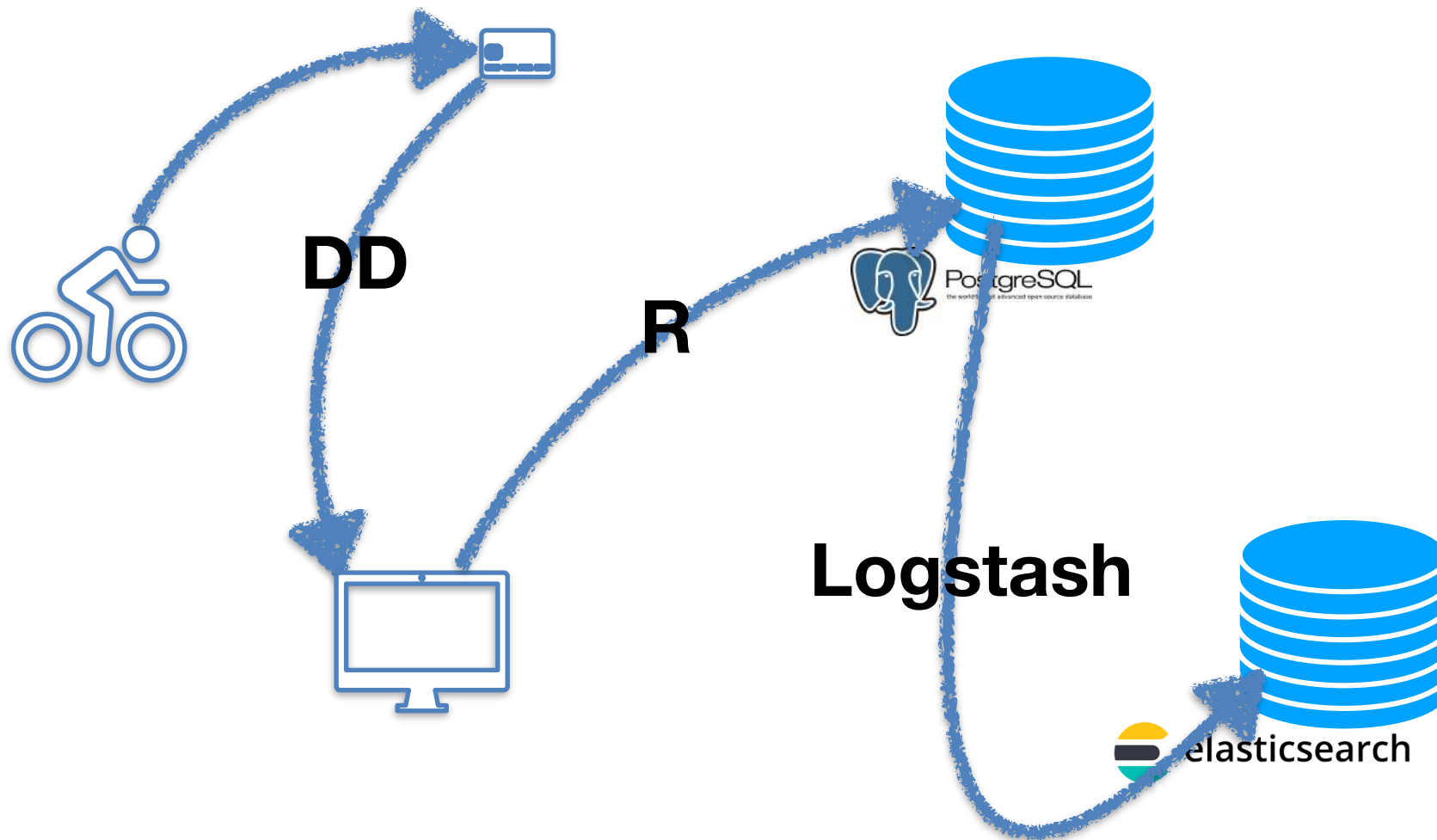
44 fichiers de logs => 3,3 Go

databaseAccess.R	access2.R	spatial.R	gilles.R	getAllFiles.sh	getLog.R	AMSA.csv	trajet.R	functionsImport.R
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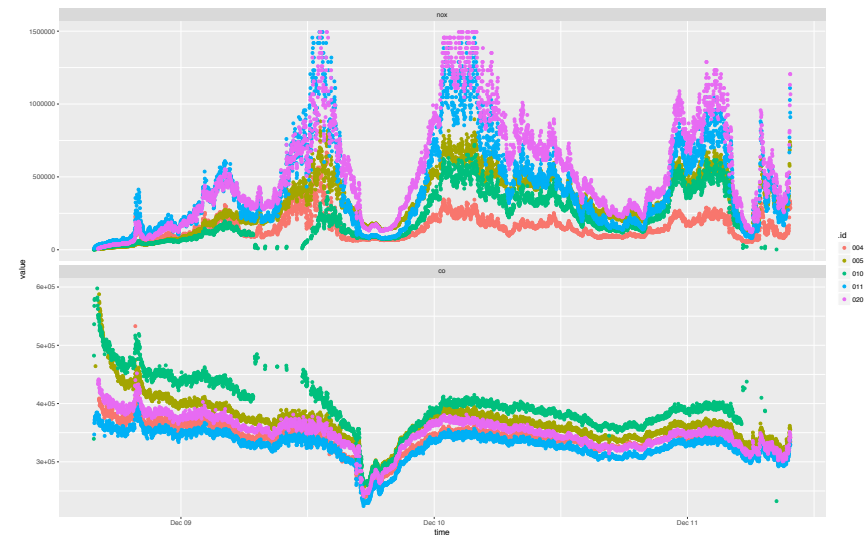
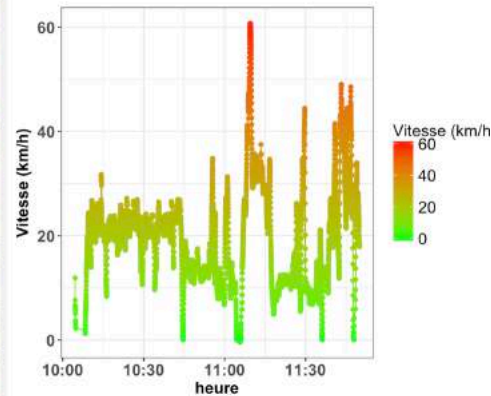
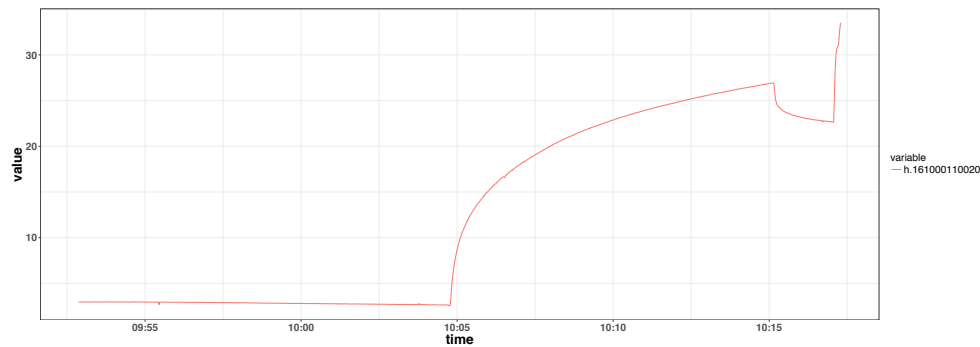
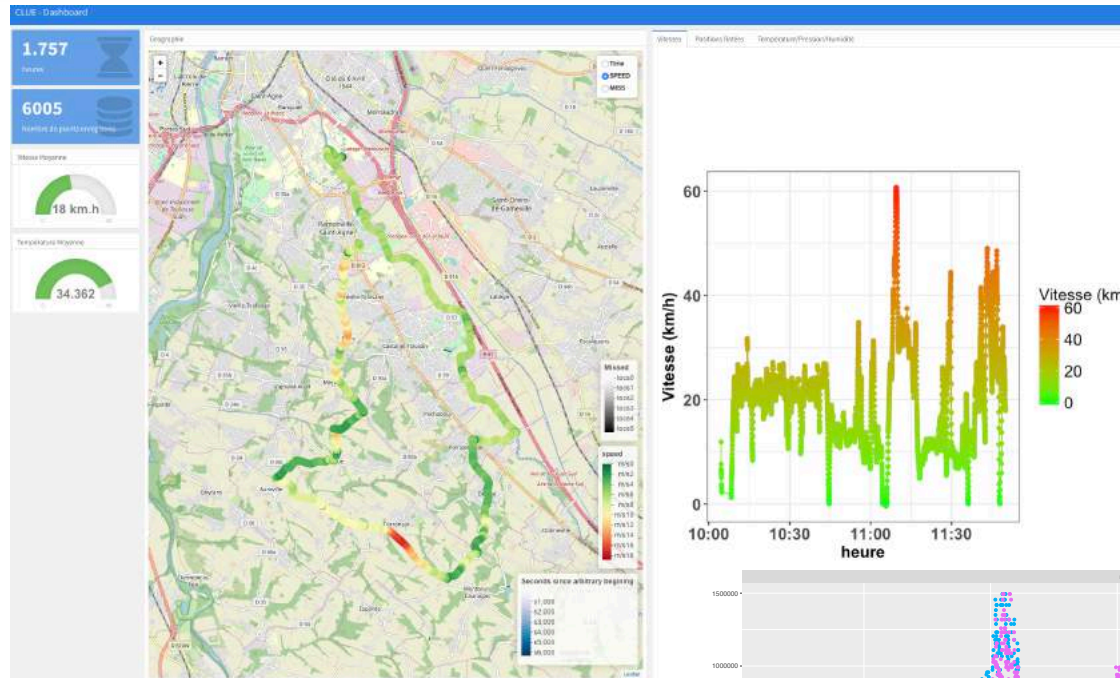
les données



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R: ggplot2, leaflet, Shiny ..





DEMO