Sleep Well - Drive Safely - A Tale of Mobility Tracking and Big Data
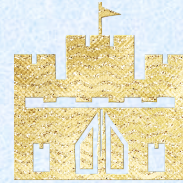
Track & Know

Chapter 1

Once upon a time there was a kingdom with many people who suffered from OSA.
OSA is an illness which makes them stop breathing at night.
Mr. Sandman was a good doctor who treated them with a special machine.
This prevented people from dying or crashing cars due to sleepiness.
10 000 people came yearly to see the doctor for tests and treatment.
Still, his 21 clinics did not reach all sufferers and many people remained at risk.

A nasty witch Epidemia Obesitas attacked the kingdom and made more people sick.
The worried King ordered the doctor to fix all sufferers, however..
…Mr. Sandman did not get more gold coins by the treasurer to do this.

To do this, Mr. Sandman needed a magic tool box to tell him where the needy were and to help him put all clinics, doctors, test kits and patients in the right place.
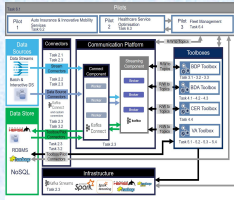
So he went on a quest for magic tools to the HORIZON…

Chapter 2

…One day he met two masters from other trades who also wanted a tool box to put their horses and riders in one place to run their trades better. Finally, after negotiations, famous Hellenic architects promised to build tools for all three.

The construction was elegant and had the wit to bridge all problems.
There was a MongoDB inside, which swallowed any type of information given to her, volume and variety were not a problem.
The ancient excel book of wisdom about the patients and clinic bookings and the files on parchment were converted to travel information.
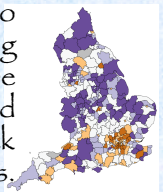There was a message bus for queries ordered in distinct Kafka topics.

As a next step, new tools will be built to make the system fly above the Innovation Radar. BDA, BDP,VA and enrichments will put all the information together. Greedy Algorithms will find the most effective solutions for the trades. Smart apps will track Mr. Sandman's patients and kits.
CER magic and ML will find new patterns.
Together, the tradesmen and architects will put the new tool box to the test.

Chapter 3

Mr Sandman can already see that he will get more than expected.
The initial results already help him see on a magic map all his patients in the kingdom as well as how far they are from his clinics.
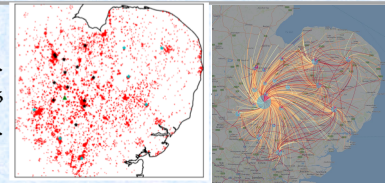
He can also start seeing where he could find more sick patients.

He is relieved now about facing Madam CCG, the treasurer, to report efficiencies and KPIs,…

…as well as scalability to national level and transferability internationally and to other diseases.

Mr. Sandman made really good friends with the tradesmen and the architects. Together they will try to make even more out of the magic box by measuring sleepiness at the wheel to prevent crashes…
Close collaboration across trades is the secret to success to add value to Big data.

Chapter 4

As any quality story, we also have our references and recommendations from our "fun-base and critics"

BD for Service Optimisation

" …the results will motivate a nationwide review of the service provision…"

"…a showcase for facility siting practices at the international level…"

"…relevant to many other services as well as innovative clinical trial siting…"

BD for Driving Profiling

"…as a patient, if this improves my safety and the others' safety, then it is almost a no-brainer to decide…"

"…the driving profiling approach using the tracking app is very interesting and promising to improve driving safety. So far, we had no useful solution to monitor sleepy drivers…."

This is not The End yet

https://trackandknowproject.eu