Keep **Fit (a Bit)** in Kalamaki

First web based* attempt to make Kalamaki a „Smart City“

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* to be extended to an app-based version after fundings ;(
The Story of Fred

• Fred lives in Dublin
• Dublin is a smart city *
• Fred is a sports enthusiast
  • Observes his energy consumption/gain
• Fred is going on holidays to Kalamaki
• Of course Fred wants to stay fit
• But...

How to stay fit
In Kalamaki?
What is a smart city?
Goal: „Personalized health planner“

Integrated view of:
- Locations of Restaurants
- Dishes of restaurants
- Energy of dishes
- Price of dishes
- Walking distances between different places
- Overview of own energy balance
What did we do?

• Data collection
  • RDF data (Total steps per day - FitBit API)
  • Non-digital data (restaurant menus)
  • HTML data (calories of dishes)
  • Geographic data (OSM)
What did we do?

• Data integration
  • RDFisation of non-digital data and other data
  • Stored it in (local) triple store
  • SPARQL querys over multiple datasets

• Implementation of web-based prototype
  • Computations of calories
  • Integration with backend
  • Graphical user interface
Demo
Future steps

• Publishing Kalamaki data on OSM (Restaurants, Prices, Calories, etc.)
• Generalization/integration of real smart city
• Social features
  • Share activities and consumption
  • Compare with other users
  • Exchange „lifestyle“
    a) „I lost ...kg by doing ...“
    b) „Wow, I live there too, I’ll do the same thing“
  • Including weather data
  • Including health data (illnesses, deseases, alergies)
The first team ever, enabling Kalamaki a „smart city“!

Thank you!