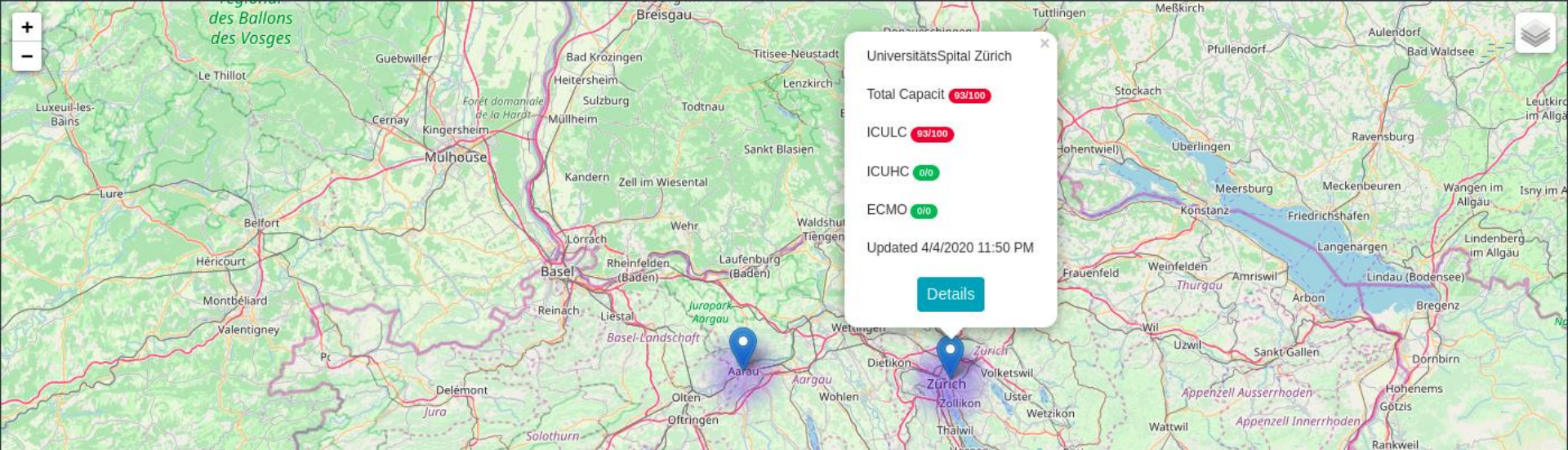


Hospital Capacity

1/15/2020

4/5/2020

4/5/2020



Intensive Care Units (ICU) 4.0

Digitalization of ICU management

Challenge 113:
Real-time monitoring of available beds for intensive care



Our promise

We facilitate the coordination between hospitals and help decision makers to allocate resources, with a concept for national, real-time data-collection, which can be implemented in every hospital.

Meet the team



- Multinational
- Broad Skillset
- Focused on practical solutions



& many more

Manual data assessment

The current state – pre & during Corona



Our Challenge – Digitalizing ICU's

The Vision - A Swiss-wide solution



No changes to
existing
infrastructure



Real-time data
acquisition

Practical use for
medical staff with
code scanning

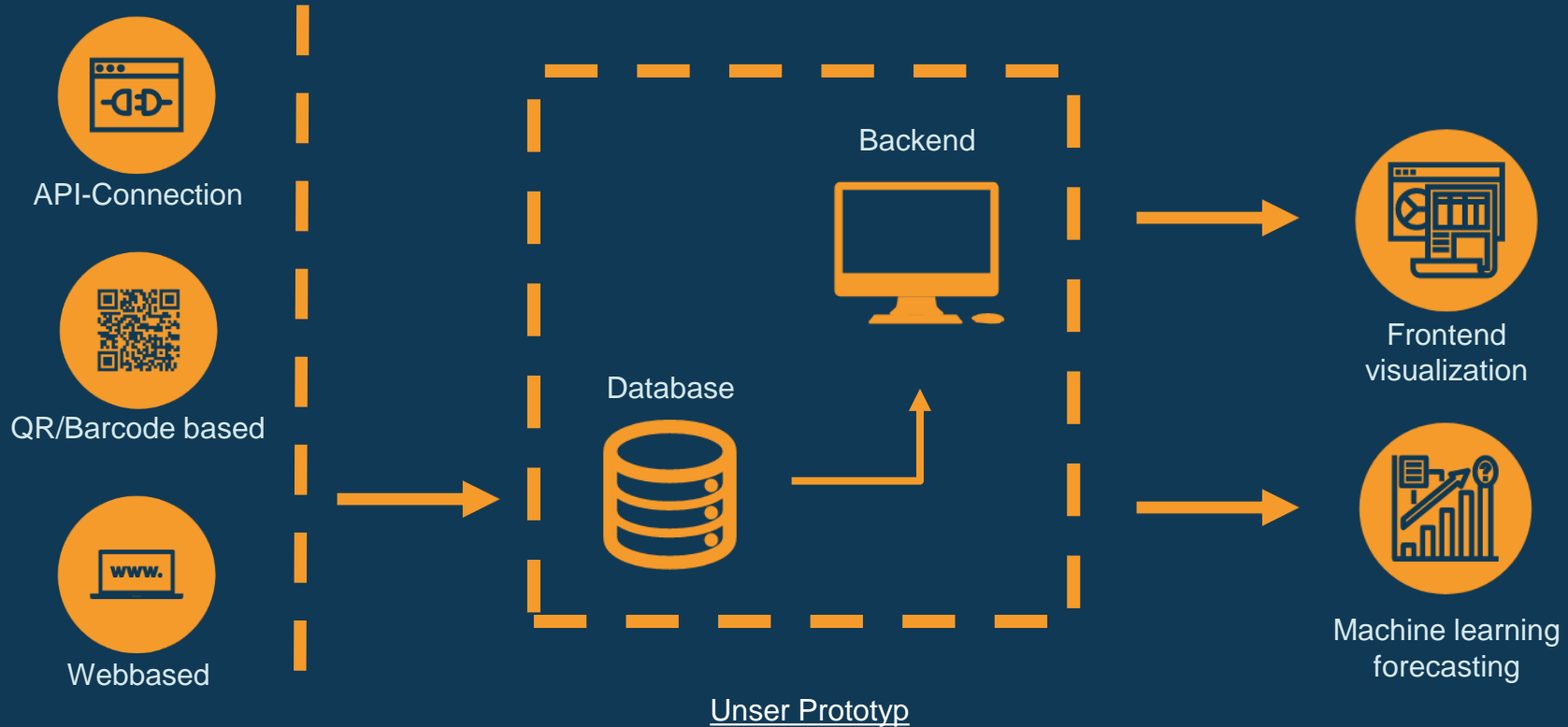


Accessible
visualization



Data accessibility
stays within the legal
framework

Technical Framework



Our Solution – Why is it feasible?

Hands on thanks to #VersusVirus



Positive Feedback



Contacted Authorities



Easy to use



Scalable



Also suitable after Corona

Technical Roadmap



- Analyze hospitals IT-infrastructure to implement API's or scanners



- Simplify the GUI and add further functionality



- Include forecasting algorithms



- Develop frontend for data gathering



Missing Link



- All technical requirements are met!



- To facilitate the coordination between every hospital and help decision makers we need a national wide decision from the authorities!

We need access provided by the respective authorities (cantonal health departments, Koordinierter Sanitätsdienst and hospitals) to the machine-readable data (see github repository) and we can set-up a real-time hospital capacity monitoring system.