Pandemic Sentinel (PanSen)

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Project description

- ✓ Use the COVID-19 PCR test results and location data to generate a detailed mapping of the pandemic situation and produce a forecast of possible outbreaks using AI.
- ✓ The outcome will be a set of tools to assist the local authorities in deciding appropriate and precise measures to contain the outbreaks.
- ✓ Aside from the COVID-19 pandemic, the PanSen tools can also monitor and forecast other endemic infectious and chronic diseases, empowering the medical system, and accelerating the intervention to benefit patients.
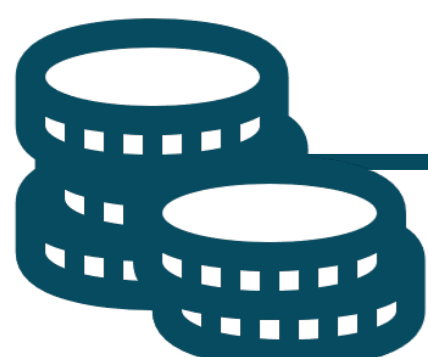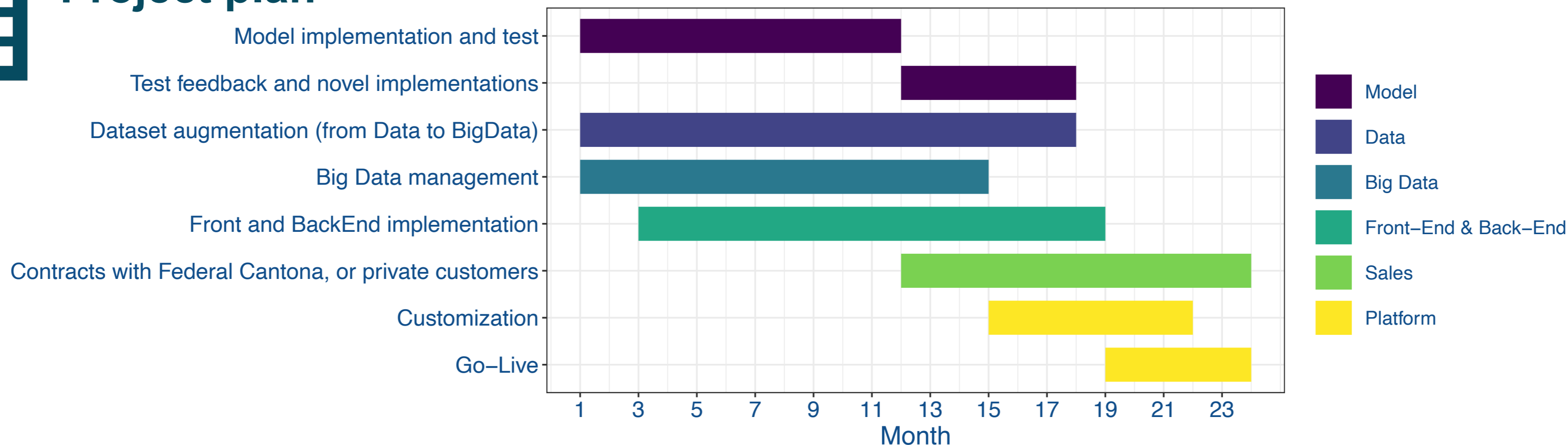
Objectives

- ✓ Analyze COVID-19 lab results from SICHH and other laboratories
- ✓ Visualize the pandemic evolution on a detailed map
- ✓ Data management to mitigate the pandemic effects among the population

Project plan

Estimated budget

The estimated project budget is **231'000 CHF**, split as follows:

- ✓ **150'000 CHF** as **NPR found** from the Canton FR for the **Research Institutions**
- ✓ **45'000 CHF** as **cash** contribution from the **industrial partners**
- ✓ **36'000 CHF** as **in-kind** contribution from the **industrial partners**

Consortium

- ✓ **Research partners:** SICHH, UniFr
- ✓ **Industrial Partners:** ICT Factory, *Neolution, Hirslanden* (*possible*)

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