

## Chair Digital Health & Personalized Medicine

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### **eTranslation – using natural language processing to translate health-related data**

The Smart4Health platform, developed in a citizen-centered co-creation approach, allows citizens to collect, store, access, and share their health data across borders within the EU and beyond. It realizes an interoperable European Electronic Health Record (EHR) exchange. Citizens that are willing to support science can provide their de-identified data to research. Researchers can utilize that data through the analytics capabilities of the platform. (<https://smart4health.eu>)

When citizens are in a foreign country, they need to be able to translate their existing records to share with the health care professionals and understand the health records they receive in a foreign language. For this, the project plans to realize a natural language processing of health-related data based on the CEF building block eTranslation (see [10.5281/zenodo.3552242](https://zenodo.org/record/3552242)).

In the master thesis, you could for example benchmark this service against other available tools to assess their capability of translating medical content.

<sup>S4H</sup> **smart4health - Building today a healthier tomorrow**

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#### **Zenodo**

[Using CEF Digital Service Infrastructures in the Smart4Health Project for the Exchange of Electronic Health Records](#)