META-DIAGNOSTIC FOR IDENTIFICATION AND PREPROCESSING OF MEDICAL IMAGE DATA FOR „IN-SILICO TRIALS“ (DIVE-MED)

Problem

Clinical studies are essential for the successful launch of new medical products, but are often timely and associated with high costs due to, among others, **manual** identification of suitable patients and data processing.

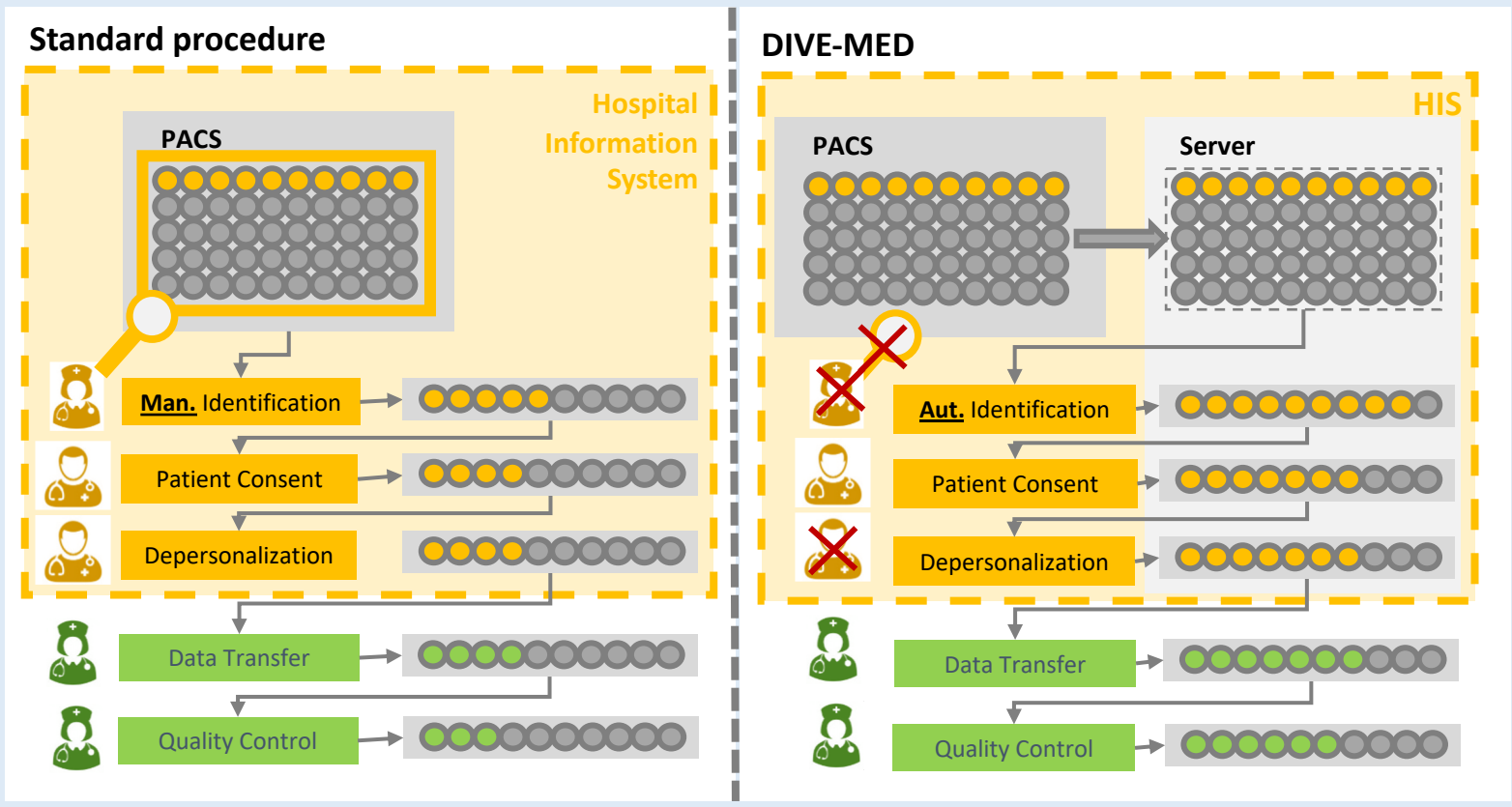
Goal

The project aims to accelerate and simplify the selection of patients for clinical studies in the field of neuroradiology while increasing their data protection.

Method

With the help of deep learning (DL) techniques, medical images from clinic's Picture Archiving and Communication System (PACS) will be **automatically** processed, depersonalized and evaluated for inclusion in clinical studies.

By reducing the required resources while speeding up clinical trials, DIVE-MED would essentially promote earlier access for patients to treatments with newer technologies.



Working stages

WP1 Specification phase, interfaces definition

WP2 Training data preparation

WP3 First DL Prototype

WP4/5 „Human-in-the-loop“ development

WP6 DL Prototype integration

WP7 In depth training phase

WP8/9 „Human-in-the-loop“ application

WP10 DL Reporting system

WP11 Optimisation and testing

WP12 Migration to production

EUROPÄISCHER FONDS FÜR REGIONALE ENTWICKLUNG (EFRE)

Dieses Projekt wird durch den Europäischen Fonds für regionale Entwicklung (EFRE) sowie durch die Freie und Hansestadt Hamburg gefördert.

EUROPÄISCHE UNION
Europäischer Fonds für Regionale Entwicklung

hamburg.de/efre

Hamburg