

Data Management and Data Curation Services for Translational Research

At Philips Research

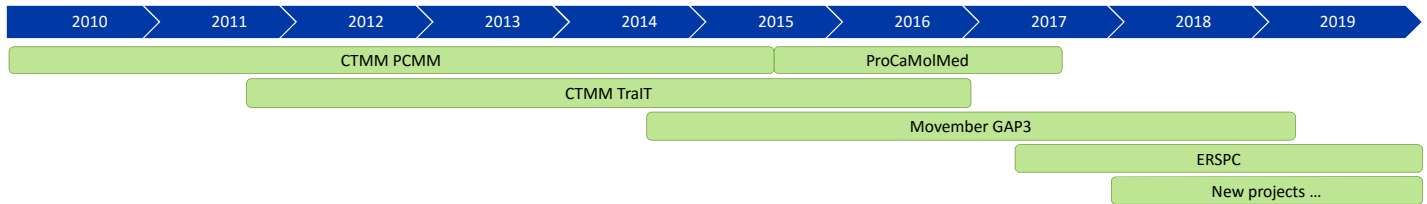
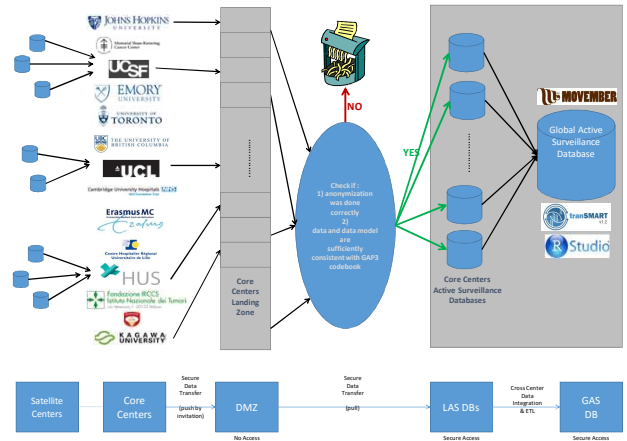


Tim Hulsen¹, Wim van der Linden¹, Cees de Jonge², Daniel Pletea³

November GAP3

Global PCa Active Surveillance Database

The Movember Global Action Plan (GAP) on active surveillance for low risk prostate cancer includes the integrated 30 months activity of 19 institutions in 14 countries in the 5 Movember regions (Australasia, Europe, UK, Canada, and USA). The initiative is also open to other eligible centres. Milestones of the project include a global Active Surveillance (AS) database for clinical, biospecimen, imaging and biomarker data (including a virtual biobank), as well as worldwide tailor-made guidelines on AS and a web-based platform on AS. The database, created by Philips Research, has been made accessible for integrated analysis on all datasets from all participating institutes.



What we can do for you

Philips Research has a long history of supporting translational research projects. Starting in 2009, we worked within the CTMM projects PCMM (Prostate Cancer Molecular Medicine) and TraIT (Translational Research IT) on providing an IT infrastructure for translational research. Within TraIT, we worked with several tools such as transSMART, OpenClinica, NBIA, XNAT, IEPIS, Workflow and Catalogue.

More recently we have been involved in projects such as Movember GAP3 (active surveillance for prostate cancer) and ERSPC (European Randomized Study of Screening for Prostate Cancer), and there are more projects coming up. For these projects we setup a secure analysis environment in which researchers can browse and analyse their data using open-source tooling such as transSMART and R. Data can be

transferred in a secure manner using the Secure Data Transfer tool of Philips.

Besides the setup of this IT infrastructure, we offer services such as: codebook creation, data model mapping, support for pseudonimization / anonymization, data quality check (including reports), data curation, data management, ETL (Extract, Transform, Load), auditing and logging, and hosting (on premise, cloud).

The involvement of Philips Research can even go further than data management and curation. We have expertise in many scientific areas, so we can also help out with statistical analysis, predictive modelling, machine learning, etc.

Future projects

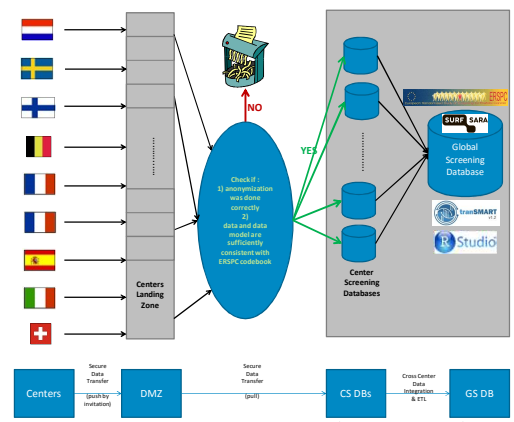
More projects (in prostate cancer, but also in other oncological fields and even other disease areas) are coming up.

We also look forward to find out how we can collaborate with HealthRI and its partners.

ERSPC

European PCa Screening Database

The European Randomized Study of Screening for Prostate Cancer (ERSPC) is a combined and integrated study performed by 9 institutions in 8 European countries (the Netherlands, Sweden, Finland, Belgium, France, Spain, Italy and Switzerland), existing since 1992. It is the world's largest randomized prostate cancer screening study, and is designed to investigate whether early detection and treatment of prostate cancer might reduce disease-specific mortality and also help to identify men at risk. At its 25th anniversary, the global ERSPC database has been curated and re-organized by Philips Research. The database is accessible for analysis of the integrated datasets by all participating institutes.



¹Philips Research, department of Professional Health Solutions & Services, Eindhoven, the Netherlands

²Philips Research, department of Digital Platform Solutions, Eindhoven, the Netherlands

³Philips Research, department of Data Science, Eindhoven, the Netherlands

Please contact tim.hulsen@philips.com if you have any questions

