

Title: Digitalization of health information systems - old challenges, new opportunities

**Session leader:** Johan Sæbø, Senior Engineer

**Introduction:** The Health Information Systems Programme (HISP) at the University of Oslo has for over 20 years done research on and implementation of health information systems in the South. Grounded in the spirit of Health for All, the research has focused on how to strengthen integrated care at all levels of the health sector through better information and decisions. For many years, this meant understanding and achieving integration of various health programs' fragmented information streams. With global attention on Universal Health Coverage, One Health, and the like, a "next generation" of integration is needed, linking health data with data from other domains such as civil registration, insurance, and veterinary services. The presentations in this sessions reflect back on what we have learned in the past that will help us address the future, through covering various new initiatives that spans across all topics of this conference.

**Information systems for UHC:** Sundeep Sahay, Professor

This presentation will draw on the experiences of HISP through the last 20 years and link them to the challenges ahead. It will address how HISP can use its experience with integrating routine health information systems around DHIS2, to support the next step of integration for UHC, One Health and improved CRVS.

**Working with WHO on global standardization:** Olav Poppe, Research Fellow

HISP UiO was in late 2017 designated a World Health Organization Collaborating Center for Innovation and Implementation Research for health information systems strengthening. One of the key joint activities is the development of standardized metadata packages and dashboards, promoting integrated systems that follow best practices and global standard health indicators.

**eRegistries in Palestine:** Mike Frost, Senior Engineer

Together with the Norwegian Institute of Public Health, HISP UiO is working on the eRegistries project in Palestine, which is based on WHO's guidelines for Reproductive, Maternal, Newborn and Child Health (RMNCH). This project is an attempt to improve the delivery of quality healthcare by capturing essential health data through simple processes and a series of outcome indicators covering domains of quality of care. The presentation will give an overview how these experiences feed back into the research and software development at UiO as well as case based solutions for the global public good.