

# HEALTH FACILITY BUSINESS INTELLIGENCE

INTRODUCTORY WORKSHOP SERIES 16.6. – 10.11.2021



# BACKGROUND

\*Decision making is a challenge in more and more complex organizations, contexts and emerging situations (covid-19!). Therefore, decision making must be KPI-, fact and data-based, proactive and anticipate risks.

\*To address this challenge one of the strategic goals of MoHSW Tanzania Has been to encourage hospitals to improve data quality and to use the results of data analysis for their own planning and decision making.

\*The Finnish eHealth Tanzania 2017-21 project was consulted before covid-19 lock-down in that respect as well, first by CSSC.



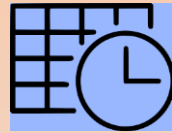
# SOLUTION

\*Part of the solution to the challenges of decision making is business intelligence (BI): **collection, integration, analysis and presentation of business information with related technologies and applications.** (cf. business analysis)

\*Humans, software and machines work together!

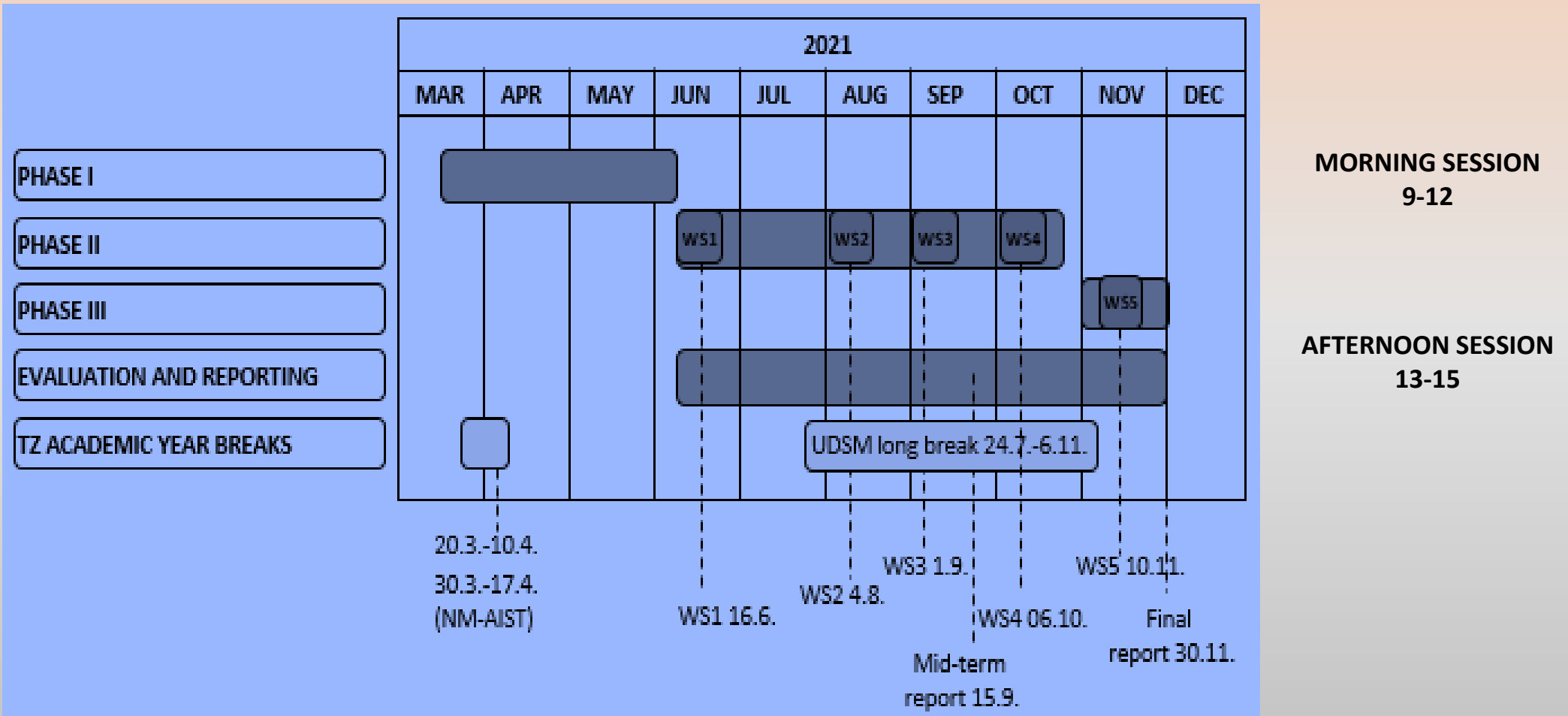
\*Accordingly, the Finnish project is now providing to selected participants from Tanzanian eHealth ecosystem an introductory BI workshop series applied to health facilities.

\*The workshop series takes the participants through a data science process, starting from the hospital business and ending up to models, simulations and presentations.



# TIMETABLE

**BIZ DATA ANALYTICS**





## ELEMENTS

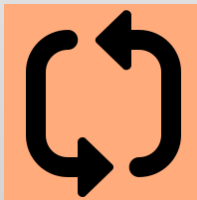


## THEORY LECTURES + QA



## EXERCISES + TUTORING

(INDIVIDUAL OR GROUP, MS POWER BI)



## FEEDBACK

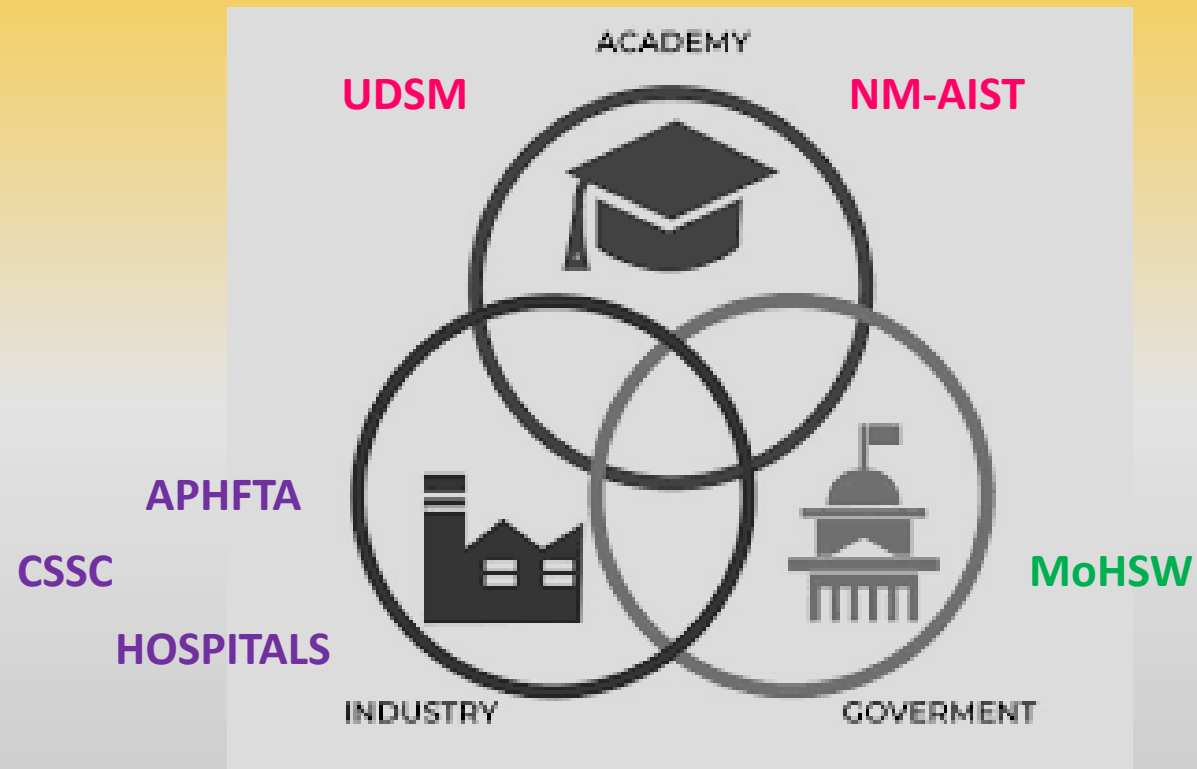
## +RESOURCES&RECORDINGS

**Facilitator Dr. Auvo Finne**  
([auvo.finne@synrgycom.eu](mailto:auvo.finne@synrgycom.eu))

**Co-facilitator Dr. Tuomo Heinonen**  
([tuomo.heinonen@tuomoheinonen.eu](mailto:tuomo.heinonen@tuomoheinonen.eu))



# PARTICIPANTS





# OUTCOME

- \*Participants have a certificate and general understanding of the hospital BI process and can start applying and developing it for internal purposes.
- \*Participating health facilities have set up an initial technical platform for the BI process.
- \*Decision making will become gradually more and more evidence and data based. The effects will further be seen in the KPI values, patient and employee satisfaction and productivity.



09:30 – 10:00 Competencies and skills required in healthcare business + QA (Dr. Tuomo Heinonen)

10:00 – 10:30 Context, mission and vision of a health facility + QA (MD&MBA Martti Kulvik)

10:30 – 11:00 BI in healthcare – an extremely difficult challenge + QA (MD&MBA Martti Kulvik)

11:00 – 11:30 Main business processes and goals + QA (Dr. Anja Mursu)

11:30 – 12:00 Principles of security, safety and privacy of health data + QA (Prof. Pirkko Nykänen)

12:00 – 12:30 Presentation of exercises+ QA (Dr. Auvo Finne)





**ENJOY THE WORKSHOP SERIES!**

