

BencHEIT process in Aalto University – Power BI reports

27.11.2018 Arto Malinen

Agenda

- Introduction and background
- BencHEIT in Aalto: past present future
 - Observations
 - Development ideas
 - IT cost dimensions
- Power BI reports
- Target state for BencHEIT at Aalto



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Aalto University at a glance

About

12000

Students (FTE)

A staff of about

4000 of which

400 are professors.

37% of all academics are international.

Aalto University was established in 2010 as three leading Finnish universities, the Helsinki School of Economics, Helsinki University of Technology and the University of Art and Design Helsinki, were merged.

Today, Otaniemi campus is going through massive changes as schools are relocating to Otaniemi, ARTS in 2018 and BIZ in 2019.

Digital Transformation – Towards European Leadership

BencHEIT process at Aalto

Aalto has been participating in BencHEIT survey since 2011

- In 2018, for BM2017 data collection, the core team was changed
- Learn process, identify painpoints and seek opportunities for automation
 Observations made during the process
- Provides a snapshot of the IT assetts and insights on yearly IT spend
- Seen as tedious process; carried out manually, triggers the inventory
- Too tight schedule, occurs during budgeting season
- Seen as an extra work, lack of motivation the benefits are not clear to people involved in the process
- Data is spread around (and managed manually) causing variations in the data quality
- Survey Excel sheet is splitted and combined too many times, manually



BencHEIT process observations

Observations made during the process

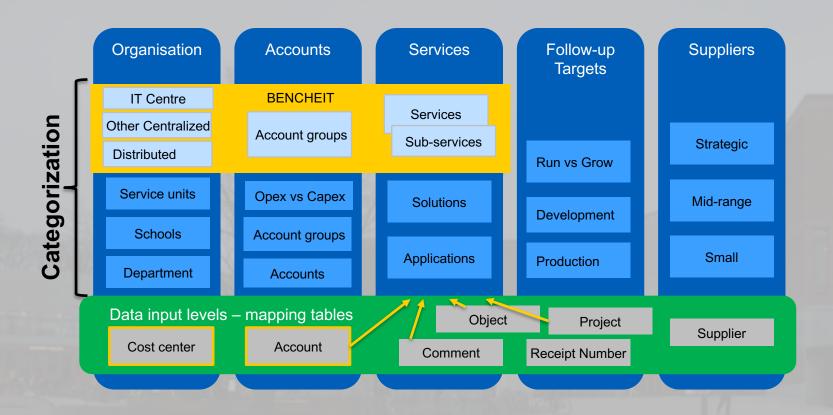
- Service categories are defined well enabling benchmarking on a general level, but current systems do not provide an easy way to assign the correct category for financial/FTE data
- FTE definitions for IT work are not clear
- Tracks cash flow, investements need attention during cost analysis
- Survey does not track development vs maintenance costs
- Tracks where costs occur, not who benefits/utilizes
- Does not track the quality of the IT services
- For some figures headcount would be more appropriate than FTE
- Connection between volumes and costs is missing
- Question/Concern: Are we comparing apples to apples?

Development ideas

- Increase automatization!
 - Data sources connected directly to our data warehouse
 - Automated Bencheit categorization with mapping tables and Machine Learning
 - Automated PowerBI reports
- Clarify the benefits of the survey to improve the motivation and increase the quality of the data
- Define the roles and responsibilities of the virtual team
 - Alleviate the process review instead of create the data
 - Align the activities with annual clock to optimize the workload
- Improve ways of working to enable automated processes
- Utilize results to provide insights for budgeting



Dimensions of the IT costs





PowerBI -reports



Comparing inside Aalto

Finance and FTE (high level)



Business application



Volumes – Workstation, Printers, WLAN, Voice





IT service figures



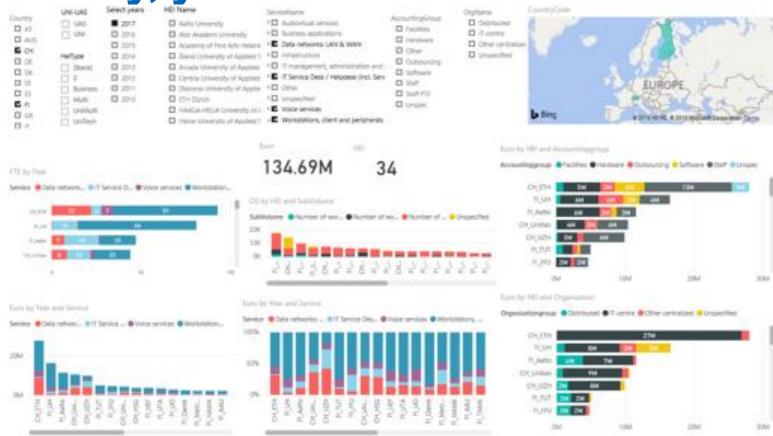




Comparing to other Higher education institutions by using PowerBl

Sample about future development

Country, year and services selected





BencHEIT growth





Target state for BencHEIT at Aalto

