Finding the holy grail of IT Benchmarking

1st Johan Bergström¹, 2nd Rens van der Vorst², 3^d Michele Mennielli³, 4th Yvonne Kivi⁴, 5th Teemu Seesto⁵, 6^{th,} Ole Langfelt⁶, 7th Jose Pascual Gumbau Mezquita⁷, 8th Antonio Fernández Martínez⁸, 9th Vicente Andreu Navarro⁷, 10th Paco Sampalo⁹

¹Umeå Universitet, Sweden, johan.bergstrom@umu.se

²Fontys University, The Netherlands, <u>r.vandervorst@fontys.nl</u>

³Cineca, Italy, <u>m.mennielli@cineca.it</u>

⁴University of Helsinki, Finland, <u>yvonne.kivi@helsinki.fi</u>

⁵FUCIO, Network of Finnish Universities' Chief IT officers c/o University of Turku, teemu.seesto@utu.fi

⁶Norwegian University of Science and Technology, <u>ole.langfeldt@ntnu.no</u>

⁷Universitat Jaume I, <u>gumbau@uji.es</u>, <u>andreuv@uji.es</u>

⁸Universidad de Almeria, <u>afm@ual.es</u>

⁹Universidad Polytechnica de Cartagena, <u>paco.sampalo@si.upct.es</u>

Keywords

benchmarking, BencHEIT, CIO, IT management, trends, comparison

1. Abstract

There are a number of benchmarking initiatives throughout Europe. Together, these are covering a fairly large number of institutions. The goals of these initiatives are to get a full picture of the state of IT at an institution with a purpose of facilitating a comparison between institutions. At the BencHEIT meeting in Barcelona an idea was put forward to find a number of common indicators from these benchmarking surveys. A goal of this work is to provide a possible overview of the situation of IT in Higher Education in Europe.

Ensuring good benchmarking with secured data points over region, countries or even continents is the holy grail of benchmarking. The BencHEIT initiative in Europe is a good example of a well managed and ambitious endeavor to make this happen. However, this is within the scope of a specific survey, where the definition of each data point is discussed and decided (still there is always the risk of misunderstanding the intent of a specific collection point).

When it comes to analyze the different benchmarking initiatives from different regions, countries or continents it becomes more difficult. A group of representatives from three different benchmarking projects have engaged in trying to find this holy grail.

The project, called "Trans-national Benchmarking", is trying to find a path to this holy grail. Instead of comparing and encompassing all aspects of the benchmarking work the groups is working to define the common denominators between the 3.

The first step is for each one of us to go through these documents to try to find commonalities, starting with the Context indicators. A quick overview of these indicators show that you can pair them into three different areas.

Finding The holy grail of benchmarking

- Basic data or Context indicators about the institution. This is more or less mandatory to facilitate some kind of comparison.
- Indicators that we believe or look like they are comparable. These will then have to be defined more closely to ensure they are actually asking the same questions (and thus getting comparable answers).
- Indicators that we would like to have, based on the needs of the institutions (what indicators they are using to run their business and influence stakeholders).

This presentation will focus on describing this set of indicators that are comparable between different benchmarking projects. The project has identified the indicatiors and will move on to providing a pilot where these indicators will be put to test. This will also outline the constitution of the transnational benchmarking community.

The project is not yet finished but the results will be available before EUNIS2016.

2. AUTHORS' BIOGRAPHIES



Johan Bergström, Msc Computer Science, is working as an International Business developer for ICT Services and System Development (ITS) - Umeå University. Johan was the congress organiser of the 20th annual EUNIS congress in 2014. Johan is also a programme committee member the Terena Networking Conference in 2015 and 2016 as well as a Senior Reviewer ERO (Educause Review Online).

https://www.linkedin.com/in/johanbergstrom



Michele Mennielli, Michele Mennielli is working as an external Relations and International Affairs Manager for CINECA, Italy. His primary focus is on Research Informations systems. He is also a board member of both EUNIS and EuroCris, two paneuropean organisations focusing on IT for Higher Education. https://www.linkedin.com/in/michelemennielli



Teemu Seesto has M.Sc. in economics from Turku School of Economics. He has been a teacher of information systems science for twenty years. Seesto was the CIO of Turku School of Economics during 2006-2010. He is currently the IT general secretary of FUCIO, the Network of Finnish universities' CIOs. Teemu is a member of the Bencheit steering group.



Yvonne Kivi is an IT specialist at the University of Helsinki and the project manager of BencHEIT. She holds a B.Sc degree from Arcada university of applied sciences. Yvonne is the key contact person to most of the institutions that participate in the Bencheit work.



Ole Langfelt IT architect and IT security manager at the Norwegian University of

Technology.

Finding The holy grail of benchmarking



Rens van der Vorst has a degree in Economics & Law and Political Science. He works for Fontys University (45k students) as head of IT innovation. His most recent projects are the Quantified Student (a Runkeeper App for Students), CitizinOne (a life long portfolio), an IT benchmark for higher education in the Netherlands. Rens is very active in Dutch community SURF and European community EUNIS.





Jose Pascual Gumbau Mezquita Director of Office for Planning and IT Forecast at University Jaume I.



Vicente Andreu Navarro has a degree in Computer Engineering. He works at University Jaume I as Senior IT Innovation Specialist. He is in charge of IT security management and personal data protection. He is also involved in IT organization and governance and has been the leader of the academic pilots in STORK and STORK2.0 projects on electronic identity, co-funded by the European Commission.

Antonio Fernández Fernández Martínez

Paco Sampalo

.