

**ABSTRACT  
PARALLEL WORKING SESSION**

**UNIVERSITY MANAGEMENT & INNOVATION**

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**Strategic Bandwidth Management, enabling ICTs for optimal impact**

In many parts of the world, the impact, power and speed of Internet based Information, research, teaching and learning is seriously constrained. The constraint of bandwidth congestion, access to ICT resources and poor strategic resource management are critical factors in this regard. Lack of strategic bandwidth management is often THE key issue in this area. This paper will present some of the background context and issues associated with this area and a series of recommendations that should be considered by executive heads of universities that are interested in maximising the impact of ICTs within their institutions.

The following issues will be covered:

- Definitions and basics of bandwidth and bandwidth management
- The role of bandwidth in enabling maximum impact of ICTs within a university environment
- The challenge of defensive bandwidth management and the case for strategic bandwidth (and associated) resources management that seeks to reserve scarce bandwidth for core institutional purposes
- Practical examples and ideas for consideration to improve bandwidth management and resource allocation

This paper aims to support improved understanding of these key issues and provide contextually appropriate information and ideas that will enable bandwidth to support the optimal impact of ICTs.