

The dynamics of migration to national Gigabit connectivity

David Exelby (Decision Analysis Services Ltd) [Presenter]

Stephen Curram (Decision Analysis Services Ltd)

Richard Cadman (SPC Network)

Kim Warren (Strategy Dynamics)

The European Electronic Communications Code (EECC) adopted by the EU in December 2018 places an obligation on National Regulatory Authorities (NRAs) to promote investment in Very High Capacity Networks (VHCNs). These include full fibre to the premises offering stable Gigabit connectivity. The various EU countries are starting from variety of different positions with development of VHCNs, ranging from 12% coverage in Austria to 90% in Netherlands. As investment is largely in the hands of the private decisions of network operators and external investors, it is important to understand what determines where, when and how much these investors will make available to build VHCNs.

This talk will describe a research study undertaken on behalf of the Bureau of European Regulators for Electronic Telecommunications (BEREC) which sought to develop a qualitative systems-based model of a generic telecoms market and its use to describe alternative dynamics observed across different countries. The models were developed through extensive engagement with stakeholders across the system and literature review.

In addition, there will be a reflection on the process and the challenges of working with a large group of independent clients and introduction of new methodologies.

Dr David Exelby is a director at Decision Analysis Services Ltd (DAS). DAS is a team with a shared vision of solving strategic challenges facing government and industry decision makers. DAS offers novel solutions to its clients across a diverse range of sectors based on collective expertise in strategic management, cost analysis, risk management and systems modelling. David has over 25 years experience in the application of systems thinking and system dynamics as part of strategy consulting to government and private sector clients. Clients include those within oil and gas, electricity, pharmaceuticals sectors, defence aerospace and global brand owners of consumer goods. Government consulting has focused on defence analysis for UK MoD and USA DoD. David has been a policy council member of the International System Dynamics Society, is a founder of the UK SD Chapter and an experienced SD trainer.