Future Trends Series - GR:EEN Project

Title of the report

Review of science and technology foresight studies and comparison with GTS2015

Area

Science and Technology

Reporter

DTU (Technical University of Denmark) Management Engineering

Type of the Reporter

Academic/Research Institute

Periodically updated?

No

First issued year

2009

Latest update

2009

Official website

http://www.man.dtu.dk/english/Research/Publications

Language available

English

Short summary

This study provides an overview of the future need and demand for technological services in Denmark based on development trends and generic technological domains. It also aims at identifying uncertain and significant drivers of change having all an impact on the demand and need for technological services in Denmark. Finally, the study intends to support discussions on possible future development paths for technological services in Denmark within the next ten years.

Key trends

The future needs and trends gained from the study suggest that:

- "Strategic issues and public-function issues related to 'societal demand pull' are higher on the agenda than issues related to 'technology or industrial pull'";

- "The technological fields most often mentioned in the foresight studies were ecology, energy, climate, health and ICT, and the trends most often mentioned were ecology, ageing society, innovation and knowledge society";

- "Trends related to culture, values and the experience economy have more attention in the foresight

studies reviewed than in GTS2015 (GTS is an abbreviation of "Godkendt Teknologisk Service" which means "approved technological institutions" in the Danish research and innovation system. The aim of these institutions is to spread knowledge into the business community.) This difference may indicate uncertain drivers with respect to GTS but also drivers that may have a direct and significant influence on the direction of future developments;"

- "(…) factors and aspects related to understanding culture and values require much more attention and awareness than they are receiving today."

Suggestions

- "GTS organizations should consider non-technical issues such as the aging society, the knowledge society, and understanding cultures and values in the future development of their organizations;

- GTS organizations should individually consider making a more detailed analysis of the Danish industrial niches and strength positions in relation to their specific areas of competence;

- GTS organizations should rethink their role in relation to universities and rethink how to distinguish themselves more clearly from the emerging new role of the universities;

- GTS organizations – either jointly or individually – should expose themselves to a more challenging way of thinking and consider making more radical changes."

Methodology

Research from primary and secondary sources; modelling

Reference to other trends reports? If yes, which reports?

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