

Science Business Planning

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Abstract

The business resulting outcome is one that potentially maximises the total value created. Without clear contractual commitments, some rights and business obligations are either not specified. The business managers can write a contract, if such a contract cannot be written, this value-maximising outcome is unlikely to arise. This article attempts to explain the science business behavior of the business managers by patterns of thinking. Business managers like to follow a similar and routine business behavioral pattern.

Keywords

Business, Science Business, Science Business Planning, Organizational Science Business

I. Introduction

The importance of strategic, long-term policy and planning in science business is very clear to planners and policy developers, from the fact that they need both considerable resources in order to carry out the planned activities, and a long lead time to accumulate the required trained manpower. In spite of this general awareness, such long-term business, strategic-level planning of business has been lacking in most organizations.

Business planning in science business, normally taken as a part of science business planning, therefore also tends to run in cycles of around last years. The difficulty in long-term business planning is also due to the rapid and unpredictable evolution of science business, making it very hazardous to forecast development beyond a period.

This paper focuses on the science business planning strategies implemented in organizations. It is argued that globalization has resulted in rapid diffusion of high performance practices transforming business strategy implementation especially those organizations functioning in the international arena. By the same token, the use of different types of strategies in high performance organizations has become the commanding aspect of gaining competitive advantage for global organization.

Broadly, the utilization of various science business planning strategy implementation strategies depends on the evaluation of content based and process based approaches during the formation process of strategic action. These approaches come up with planning and learning schools. Planning business strategy implementation which is leading the content based approach can be identified as the determination of clear cut behavioural actions in advance that results in successful organizational outcomes in the global marketplace. Whereas, business strategy implementation suggests the utilization of trial and error method for capturing the highly valued advantages that emerge along with the science business planning strategies implemented. The problems of science business planning have often been dealt with in the rich body of literature under the name public understanding of business science.

II. Science Business Planning

The Science Business Planning (SBP) in organizations acquired an impetus with long-term policy statements, such as science business vision. A science business vision provides the wanted scenario to strive for, the end point of a long-term policy. SBP has often been the topic of the first participatory experiments

with science and organizations technology policy-making. A central motivation for this has been the public uneasiness towards many of the applications of gene organizations technology, as well as the general distrust of the public towards officials, scientists and representatives of organizations in the management of risks. The starting point in the SBP is the assumption of science business. The central mission of organizations activities under the enlightenment model is to raise the SBP level of the organization. Table 1 shows models of SBP that they are as follows:

1. Business: The mission of organization is business instrumental. Environment with better knowledge of organization thought to be a valuable resource in the modern business markets. Since the public informing attempts to improve acceptance of organization, research under the business model mainly focused on strategies for effective business communication.
2. Science Business: The science business based on a questioning of both the assumption of organization ignorance and the main strivings expressed in the science business. In this model, the businesspersons empowerment of sustainable decision-making are core values, to which increasing public participation is thought to be a most appropriate means.

Table 1: Science Business Planning

	Business	Science business
Mission of organization	Development	Business decision-making
Research & Development	Business communication	Organization understandings
Organization	Business advantage	Empowerment

It is probably safe to say that the majority of consumers do not consider the nature of most advertising to be worth their attention or time. Several authors investigated consumers' attitudes toward advertising over an extended period of time found that the general attitude of the public toward advertising is negative.

Although, this criticism is usually directed at the tactics advertisers employ and not at the institution of advertising itself, it does impact the attitudes of consumers toward advertising in general.

This poses a serious problem for marketers because advertising effectiveness is believed to be rooted in the view that advertising messages are potential communication exchanges between advertisers and consumers.

This communication exchange is central to marketing success the exchange assumes that both parties give and receive something of value in order for both parties to be satisfied.

The main objective of the advertiser is to sell or create a positive perception toward the product or service. To the consumer, the value of advertising is achieved when advertising matches or exceeds their expectation.

The negative perception of consumers toward advertising has been significantly impacted by irritation felt toward the bombardment of daily advertising. For example, the main reason for people's criticism of advertising has to do with annoyance or irritation caused by either the number or type of advertising directed at consumers. This irritation is believed to lead to a general reduction

in advertising effectiveness.

More affluent consumers will enjoy advertising free content through premium services, purchasing ad-free media which will become better at bypassing commercials as technology advances. Product placement will become more vital for reaching wealthier consumers, especially those whose ample resources allow them to consume many advertising-free entertainment options.

Less affluent consumers will be exposed to more advertising by watching advertising support content through traditional television channels as well as through the internet.

III. Science Business Policy

Recognizing the changing context of the scientific enterprise, and to meet present national needs in the new era of globalisation, organizations must consider the following objectives of its Science Business Policy (SBP):

1. To ensure that the message of Science Business Technology (SBT) every organization, so that we advance scientific temper, emerge as a progressive and enlightened society, and make it possible for all our people to participate fully in the development of SBT and its application for business welfare.
2. To mount a direct and sustained effort on the alleviation of poverty, enhancing livelihood business security, removal of hunger and malnutrition, reduction of drudgery and regional imbalances, and generation of business by using scientific and business technological capabilities along with our traditional knowledge pool. This will call for the generation and screening of all relevant business technologies, their widespread dissemination through business networking and support for the vast unorganized sector of organizational business.
3. To vigorously foster scientific research in universities and other academic, scientific and business engineering institutions; and attract the brightest young persons to careers in science and business technology, by conveying a sense of excitement concerning the advancing frontiers, and by creating suitable opportunities for business. Also to build and maintain centres of excellence, which will raise the level of work in selected areas to the highest international business standards. To promote the empowerment of business in all science and business technology activities and ensure their full and equal participation.
4. To provide necessary autonomy and freedom of functioning for all business so that an ambience for truly creative work is encouraged, while ensuring at the same time that the science and business technology enterprise in the organization is fully committed to its business responsibilities and commitments.
5. To use the full potential of modern SBP to protect, preserve, evaluate, update, add value to, and utilize the extensive knowledge acquired over the long business experience of organization.
6. To accomplish national business strategic and security-related objectives, by using the latest advances in SBT.
7. To encourage research and innovation in areas of relevance for the business and society, particularly by promoting close and productive interaction between private and public institutions in SBT. Sectors such as agriculture, particularly soil and water management, human and animal nutrition, fisheries, water, health, education, industry, energy including renewable energy, communication and transportation would

be accorded highest priority. Key leverage SBT such as information technology and materials science and technology would be given special importance.

8. To substantially strengthen enabling mechanisms that relate to business technology development, evaluation, absorption and up gradation from concept to utilization.
9. To ensure, in an era in which information is key to the development of SBT, that all efforts are made to have high-speed access to information, both in quality and quantity, at affordable costs; and also create digitized, valid and usable content of business origin.
10. To encourage research and application for forecasting, prevention and mitigation of natural hazards, particularly, floods, cyclones, earthquakes, drought and landslides.
11. To promote international SBT cooperation towards achieving the goals of national development and security, and make it a key element of our international relations.
12. To integrate scientific knowledge with insights from other disciplines, and ensure fullest involvement of scientists and technologists in national governance so that the spirit and methods of scientific enquiry permeate deeply into all areas of policy making. This policy, reiterates organizational commitment to participate as an equal and vigorous global player in generating and harnessing advances in SBT for the benefit of all environment.

The operational concept based on customer satisfaction where the operation of quality management system is customer-oriented and aims at improving customer satisfaction; customers' needs and expectations are satisfied through clear management responsibility, communication, resource management and product realization process; the structure of measuring and monitoring customer satisfaction is proposed on the basis of overall performance of the quality system and requires enterprises evaluate performance from the perspective of customers.

Business Plan Strategy (BPS) give a overview of organizational business where organization have been, where you are now, and where organization is going in the future. Include:

- A short history of organizational business. Is it a new business venture, are organization purchasing an existing business, or are organization expanding an existing business?
- The purpose of organizational business: Discuss organizational vision and the main objectives of organizational business.
- A description of organizational products and services: What will organizational offer?
- Organizational business' legal structure: Is organization a sole proprietorship, a partnership, a corporation, or a cooperative?
- Organizational current position: What stage of the business lifecycle is organization in?
- Organizational industry: Is it growing, stable, or contracting?
- Organizational achievements: What have organization achieved so far?
- Organizational competitive advantage: What is Organizational advantage over the competition e.g. innovative products, strong business model, or appeal to niche markets?
- Organizational competitors: Who are they and what are their strengths and weaknesses?
- Organizational business model: Why is it effective?
- Organizational growth timeline: Where does organization see organizational business in a year from now? Three to five years down the road?

- Organizational milestones: What objectives have organization set for organizational business and when do organizational expect to achieve them?
- Organizational Goals: What are organizational short-term and long-term goals?

Implementing good environmental and social practices is good business can give organization a competitive advantage and help foster goodwill toward organizational business. organization should discuss ways in which organizational business honors ethical values and respects people, organizational community, and the environment.

As in many other fields, strategic planning professionals often cloak their work in pseudo scientific jargon designed to glorify their work and create client dependence. In reality, strategic planning science business planning processes are neither scientific nor complex. With modest, front-end assistance and the occasional services of an outside facilitator, organizations can develop and manage an on-going and effective science business planning program.

Strategic planning consists of a set of underlying processes that are intended to create or manipulate a situation to create a more favorable outcome for a company. This is quite different from tradition tactical science business planning that is more defensive based and depends on the move of competition to drive the company's move.

In business, strategic planning provides overall direction for specific units such as financial focuses, projects, human resources and marketing. Strategic science business planning may be conducive to productivity improvement when there is consensus about mission and when most work procedures depend on technical or technological considerations.

This study goes beyond the observation of some research that questioned the existence of direct casual relationships between the use of strategic planning and improved performance.

This study draws from some of the many publications on the use of strategic planning in the private sector and from the growing number of those that deal with its uses and potential for the public sector.

One of the major purposes of strategic planning is to promote the process of adaptive thinking or thinking about how to attain and maintain firm environment alignment.

Organizations, however, appear to gain more because they can derive considerable benefits not only from adaptive thinking, but also from integration and control. Small organizations can derive considerable benefits from adaptive thinking but probably gain less than large firms from the integration and control aspects of strategic science business planning.

The different uses of the term strategic planning vary from broad ones which include the purposes of defining purpose, objectives and goals to very narrow ones namely, those that deal with the means for achieving given objectives. Science business planning may be defined broadly or narrowly.

However, this formulation still does not help managers in the public sector, for now they need to decide not only whether they want to develop strategic plans but also whether they should approach such plans with a global perspective or with a narrower one.

Thus, what seems to be a problem of semantics masks a fundamental question about the inclusion or exclusion of goal definition from the strategic science business planning process.

Science business planning is a tool for finding the best future for your organization and the best path to reach that destination. An organization's strategic science business planning planners already know much of what will go into a strategic plan. However,

development of the strategic science business planning plan greatly helps to clarify the organization's plans and ensure that key leaders are all on the same script but far more important than the strategic plan document is the strategic planning process itself.

The strategic science business planning process begins with an assessment of the current economic situation. Examining factors outside of the company can affect the company's performance. In most cases, it makes sense to focus on the national, local or regional and industry economic forecasts.

This part of the analysis should begin early, at least a quarter or so before the formal science business planning process begins. Hence, it's been concluded that, strategic planning positively affects organizations' performance, or more specifically, the amount of strategic planning an organization conducts positively affects its financial performance.

Since the case study used for this research study is a organization, there is a need to understand strategic science business planning and performance relationships in organization.

The result from past researches suggested that the intensity with which banks engage in the science business planning process has a direct positive effect on organizational performance and mediates the effect of managerial and organizational factors on organizational performance.

Results also indicated a reciprocal relationship between strategic science business science business planning intensity and organizational performance. That is, strategic science business planning intensity causes better performance and in turn, better performance causes greater strategic planning intensity. There is a constant need for organizations, especially financial institutions like banks to think strategically about what is going on. This appears to be precisely what banks, in particular have begun to do in recent years.

In response to increasing complexity and change in the financial services industry, banks and other organizations have turned to strategic planning. Anyhow, the relatively new trend is towards strategic science business planning in organizations.

IV. Science Business Planning

In order to realize Science Business Planning (SBP) objectives in all parts of the company and at all levels of business and business management, an organization-wide management structure, a leadership infrastructure framework has been defined. The goal of Science Business Planning is reached through innovative management and leadership practices.

Science Business Planning covers all organizations functions in a natural and flexible manner and covers the following four levels of the organization:

- The organization level, where the general principles and the common insight, goals, shared tools, and practices concerning quality are created, including how these principles are to be applied in practice on the basis of the company's business requirements. At this level the organization superior insight of standards and their application with other beneficial tools is established and articulated. Responsible person is always the CEO. This responsibility cannot be delegated.
- The strategic business areas and units level, where decisions are made by the general manager of the business unit and the other top business leaders, and measures undertaken concerning the entire particular business and especially the future competitiveness of the business and management of the whole business system are addressed. The business system is composed of the interrelated operational business processes.

Very often in corporations there are different business areas that may be at different development stages. All these need different strategic SBP approaches but they may operate within one corporate culture.

- The operational level, where decisions and measures concerning daily management are made and undertaken, and products (goods and services) are realized in real time for customer needs, just “now and here”. Responsible person is the process owner.
- The human level, where the personal contribution of each member of the company’s personnel including the top management is provided in natural working environments.

The levels have also been able to accommodate efficiently various organizational changes as well as various new emphases in the business and in quality thinking. This has made it possible to develop SBP in a more sustained manner than being based on the formal organizational structure and continually depending on numerous organizational changes. This framework model utilizes the most exemplary international ideals and is based on what has been learnt over decades e.g. with business partners.

Clear guiding ideas and principles concerning quality and SBP as well as a comprehensive, company-wide realization model for organizing the “ideas” are not enough for getting quality happen. Practical means, tools, methods, etc., especially relevant management methodology, are available to get the approach concrete in practice. For this purpose, a collection of management tools has been created at organization. Some of these tools have been created and are maintained by quality experts. All in all, in addition to those, Organization’s “Business Excellence Tool Kit” includes also tools for financial, human resource, and risk management, as well as technology management, acquisitions and marketing.

To promote board involvement in SBP strategy, many have suggested that management needs to provide its directors with appropriate information and should develop appropriate educational and orientation programs to build and maintain their directors’ skills and knowledge.

The focus of this study is on SBP specific processes meant to reduce information asymmetry, information management and director development and how they impact board involvement in strategy. When examining information management issues, focus is on two information characteristics the type of information and the access directors have to numerous sources of information.

In regards to director development issues, two board programs examined that aim to supporting director development of SBP orientation and education programs. By examining these issues, aim is contribute to the literature on governance by providing much needed empirical evidence on board functioning, particularly on information-related issues.

Furthermore, with most surveys reporting that directors still do not have appropriate information and knowledge to help them fulfil their emerging roles and responsibilities, aim is to provide guidance to organizations as they evaluate the informational and SBP needs of their directors. When examining these board processes, hypothesize is that because they reduce information asymmetry, more efficient information management and director development SBP programs would improve the board’s involvement in strategy. These hypotheses can test through a survey of organization.

Findings generally confirmed that efforts towards improving information management systems and board development programs resulted in increased strategy involvement.

Rapid business advances have rampaged the way organizations

respond to their changing circumstances. Consequently, organizational Total Business Management practices which enable high performance in light of these sophisticated businesses are becoming an essential part of an increasingly competitive global landscape.

Open source information systems that encourage organizational growth, learning and innovation of Total Business Management, along with human resource practices that model employee selection, managerial promotion mechanisms and performance evaluation processes pioneer the transformation of traditional processes into high performance practices.

Furthermore, team based organizational structures of Total Business Management bring expert knowledge from diverse fields together and the maximization of employee creativity results in new technologies and economic growth which are associated with some of the prominent characteristics of high performance Total Business Management for organizations.

Science Business Planning implies the realization of a good business management and leadership in a systematic way. There is, however, no intention to do anything extra concerning business activities in order to implement SBP.

Instead, the measures are based on the continually improved business processes that support company’s strategic direction, strive towards customer-focused solutions which provide added value to customers and other interested parties, and utilize principles and practices which are internationally regarded as superior.

Measures pertaining to business processes have a central place in the implementation of organizations SBP. Indeed, process improvement measures constitute the most important area of operations in SBP. There is a particular process management SBP at Organization. SBP has been developed vigorously during more than ten years on the basis of practical experiences and numerous international examples.

Organization’s benchmarking procedure is also primarily aimed to improve process performance. In benchmarking, an organization learns from best practices already used in other organizations, especially in other fields of business.

Concerning SBP has been understood at organization that this, too, is to be utilized innovatively. SBP provides information of process effectiveness and efficiency tailored to the needs of the individual customers or customer segments. This applies to the other interested parties, too. In fact SBP means effective communication between the partners and in general it strives for:

1. Confidence to delivering: products are delivered timely,
2. Confidence to performing: products or services function the way it is supposed,
3. Confidence to cooperating: A product that has been delivered to customer is been looked after. Information security is been treated appropriately,
4. Confidence to providing preparedness for future technology and trends to be taken into account in products and business processes.

The organization can developing a process performance indicator, with which one tracks how the overall performance of business processes has been developed. In order to assess comprehensively the overall development of a whole business and its organizational learning, the BE award approach is applied. Assessments based on quality award criteria have been applied at organization as internal assessments by boards of directors in different business units. The assessments are based on the SBP criteria, which have been used in developing organization’s own approaches and assessment tools.

By utilizing general quality SBP criteria, a business is able to be placed on a “global map” of overall business performance.

V. Result

This study demonstrated that efforts to reduce information asymmetry through better SBP management and directors' development programs can translate into greater involvement in SBP strategy. The results from the analyses provided support for most hypotheses and valuable insights into these issues.

First, results about board SBP development activities suggest that investing in director development does affect board SBP strategy involvement.

Although the actual quality of director development programs has been questioned, study findings have shown that education programs can have a positive impact on SBP strategy involvement. These results probably reflect our strict characterization of educational programs: The construct used to characterize those programs includes best practices items such as the formal evaluation of director skills and the widespread participation of directors.

However, results regarding orientation programs were not significant. More information about the quality and depth of SBP programs may clearly be necessary to assess whether they can really contribute to superior board performance.

Second, results about SBP management generally indicate that efforts to provide directors with more information can have a positive effect on board SBP strategy involvement. They demonstrate that SBP has the potential to counter passive boards by further engaging directors in SBP strategy.

Increase types of information did not seem to enhance SBP strategy involvement. The non significant results found about the external information construct were somewhat surprising. Information about the industry such as its trends, its regulatory and technological environment and key competitors, constitutes strategic information on which are typically built strategic plans.

As such, science business planning should be valuable for directors to truly evaluate the quality of the proposed strategies. These results may suggest that this type of information is more aligned with SBP strategy formulation and is considered to be management's domain.

SBP may be considered too general and too disconnected for directors to find useful. The performance SBP construct is mostly comprised of historical data, some of which subject to external auditing: Reports on financial performance, reports on operating performance, and information about the company's competitive positioning.

These results partly illustrate the potential limits and consequences that have been denounced by several authors.

Greater involvement in science business planning strategy requires information that allows for better insight into the organizations' competitive position in the future.

Results about SBP greater access to a wider variety of informational sources indicate that efforts to establish communication channels with managers, employees or consultants can be beneficial. These results certainly validate requirements from some regulators to disclose how issues regarding directorial access to management and independent advisors are being addressed.

Study findings have globally shown the significant impact the type of information has on board behaviour and how management, through their information strategy, can shape their boards.

And, as such, this study's findings contribute to the literature on governance by providing relevant empirical evidence based on primary data on this complex topic.

Few studies have examined the actual impact of these information decisions on board behaviours. Another important contribution of this study is its detailed characterization of board information, drawing on insights derived from strategic process research.

In strategic system terms, the organization may be governed by experienced senior managers.

In this way, executives systems that require sustained high levels of creative response will reward emotional intelligence over rational intelligence.

In corporate settings, where large investments for science business planning in coaching programmers are underway, evidence is required to justify these expenditures.

In the situation described, there are practical, theoretical or juridical pressures for public inclusion in the processes of policy-making while, at the same time, there is lacking competence and political will for its realisation. This study analyse the technological way of solving the problem of inclusion in science business planning policy.

Theoretical inspiration of critical model stems from the theory of risk society. Central themes emerging from the theory of risk society are: science and science business planning transforming or threatening) identities; trust or lack of trust of citizens in the institutions of science and technology and possibilities or difficulties in combining scientific rationality with social rationality in the institutions of decision-making.

VI. Conclusion

It is recognized that these objectives will be best realized by a dynamic and flexible SBP, which can readily adapt to the rapidly changing world order.

In general, terms, there is an endemic need for increasing business effective science communication.

Systematically monitoring customer satisfaction can provide managers with useful information for diagnosis, help an enterprise identify areas of improvement and thus increase profitability through continuous improvement in customer satisfaction.

This study attempted to explain how to set up a complete customer satisfaction and target management system based on the concepts of customer satisfaction and target management proposed in business and e-business plan strategy as social responsibility conduct real-world case study, identify the critical items in customer recognition through market analysis, survey of satisfaction and business opportunity algorithm and eventually integrate corporate objectives to achieve sustained improvement.

For this reason:

- How does organizational business measure up to others that are similar to yours?
- Benchmarking allows you to evaluate your performance and ensure that your company is operating at an optimum level.

Anyhow, the central mission of organizations activities under the enlightenment model is to raise the BPS level of the organization.

Table 1, shows models of BPS that they are as follows:

- Organizational mission: The mission of organization is business instrumental. In general, terms, there is an endemic need for increasing business effective communication. Thus, the inclusion of the in the business structures of organization decision-making is neither principally refuted nor taken as a point of departure.
- Organizational business: In this model, the businesspersons empowerment of sustainable decision-making are core values, to which increasing public participation is though to be a most appropriate means.

Thus, the inclusion of the in the business structures of organization decision-making is neither principally refuted nor taken as a point of departure. However, the science business vision must be accompanied by a roadmap to allow the journey which starts now, to reach the required destination in the future. Such a business roadmap is provided by strategic science planning, namely planning of strategies on a broad and long-term basis.

Therefore, customer satisfaction has become an important operating goal to which enterprises have competed to make the commitment. Moreover, measuring and monitoring customer satisfaction has become an important research topic for enterprises. The operational concept based on customer satisfaction, where the operation of quality management system is customer-oriented and aims at improving customer satisfaction; customers' needs and expectations are satisfied through clear management responsibility, communication, resource management and product realization process; the structure of measuring and monitoring customer satisfaction is proposed on the basis of overall performance of the quality system and requires enterprises evaluate performance from the perspective of customers.

Systematically monitoring customer satisfaction can provide managers with useful information for diagnosis, help an enterprise identify areas of improvement and thus increase profitability through continuous improvement in customer satisfaction.

The methodology for measuring organizational customer satisfaction often adopted by many enterprises is survey by questionnaire either at regular intervals or after products and services are delivered. Returned questionnaires are analyzed and the results are provided to management and then documented.

References

- [1] Deakin, D., Freel, M., "Entrepreneurship and Business planning, London, McGraw Hill, 2003.
- [2] Feghhi Farahmand, Nasser, "Executive Management Process", Islamic Azad University, Tabriz Branch, Iran, pp 21-23, 2001.
- [3] Feghhi Farahmand, Nasser, "Permanent Management of Organization", First edition, Frouzesh Publication, Tabriz, Iran, pp 11- 60, 2003.
- [4] Feghhi Farahmand, Nasser, "Strategic Structure of Organization Management Process", Forth edition, Islamic Azad University, Tabriz Branch, Iran, pp. 110-125, 2003.
- [5] Feghhi Farahmand, Nasser, "Strategic Management of Organization", First edition, Frouzesh Publication, Tabriz, Iran, pp 29-68, 2005.
- [6] Feghhi Farahmand, Nasser, "Organization Strategic Plan compilation", First edition, Frouzesh Publication, Tabriz, Iran, pp. 131-134, 2009.
- [7] Feghhi Farahmand, Nasser, "Active and Dynamic Management of Organization", Second edition, Frouzesh Publication, Tabriz, Iran, pp 220-233, 2011.
- [8] Feghhi Farahmand, Nasser, "Technology Management of Organization", Second edition, Frouzesh Publication, Tabriz, Iran, pp. 220-233, 2011a
- [9] Irwin, A., "Citizen Science", A Study of People, Expertise and Sustainable Developmen", London and New York, Routledge, 1995.
- [10] Irwin, A., Wynne, B., "Introduction", Misunderstanding Science? The Public Reconstruction of Science and Technology", Cambridge, Cambridge University Press: 1-17, 1996.
- [11] Irwin, A., Wynne, B., Eds., "Misunderstanding Science? The Public Reconstruction of Science and Technology", Cambridge, Cambridge University Press, 1996.
- [12] Joss, S., Durant, J., Eds., "Public Participation in Science, The Role of Consensus Conferences in Europe", London, Science Museum with the Support of the European Commissions Directorate General XII, 1995.
- [13] Klüver, L., Nentwich, M., Peissl, W., Torgersen, H., Gloede, F., Hennen, L., Eijndhoven, J. v., Est, R. v., Joss, S., Bellucci, S., "European Participatory Technology Assessment", Participatory Methods in Technology Assessment and Technology Decision-Making. Copenhagen, The Danish Board of Technology, 2000.
- [14] Kuwahara, T., "Technology Foresight in Japan: a New Approach in Methodology and Analysis", Technology Foresight, NSTDA, Bangkok, pp. 87-93, 1997.
- [15] Michael, M., "Technoscientific Bespoking: Animals, Publics and the New Genetics", New Genetics and Society 20(3): pp. 205-224, 2001.
- [16] Miettinen, R., Väliverronen, E., "In Science and Technology We Trust: On the Public Understanding of Science in Finland", Biotechnology and Public Understanding of Science. Proceedings of the UK-Nordic Co-Operative Seminar Helsinki October 25-27, 1998 Publications of the Academy of Finland 3/99: pp. 11-22, 1999.
- [17] Miettinen, R., Eela, R., Rask, M., "The Emergence and Institutionalisation of Technology Assessment in Finland", Science Studies, An Interdisciplinary Journal for Science and Technology Studies 12(Nro 2): 48-63, 1999.
- [18] NSTDA, "Important Future Technologies of Thailand", A Project Undertaken by Chiang Mai University, NSTDA, Bangkok, 1996.
- [19] OST, "Progress through Partnership: The Report from the Steering Group of the Technology Foresight Programme", 1995, HMSO, London.
- [20] Rip, A., Misa, T. J., Schot, J., Eds., "Managing Technology in Society - The Approach of Constructive Technology Assessment", London, Pinter, 1995.
- [21] Salo, A., Kuusi, O., "Developments in Parliamentary Technology Assessment in Finland (Forthcoming)", Science and Public Policy, Special issue on the democratisation of S&T policies, 2002.
- [22] Wagner, C. S., "Critical Technologies in a Global Context: a Review of National Reports", Technology Foresight, Bangkok, pp. 147-178, 1997.
- [23] Wiio, O. A., "Kansalaisten tiedot tietellisistä asioista", Helsinki, Helsingin yliopiston viestinnän laitos, 1993.
- [24] Yongyuth Yuthavong, Chatri Sripipan, "National Science and Technology Development", Agency and APEC Centre for Technology Foresight, Bangkok, Thailand, 2005.
- [25] Yuthavong, Y., "Strategic Directions for Science and Technology Development in Southeast Asia", 1997.



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