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und Stadtentwicklung

Research for Scientific Policy Advice

German Ministry of Transport, Building and Urban Affairs
Ministerialrat Heinrich Nöthe
Research Commissioner

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Analysis

- Increasing spread of technology in daily life in the 21th century is fundamental
- Globalised world functions in networked systems
- Innovation is the motor of market development
- Planning and shaping of the future requires immense knowledge about technical options and systems behaviour
- Scientification of daily life is inevitable
- Government has to meet these challenges with appropriate instruments
- Knowing-Doing-Gap, Knowledge is not enough
- Triple-Helix-Thesis

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What topics set the transport policy?

- Environmental and climate problems
- Potential of technological innovations for the transport sector
- Freight transport of tomorrow, “Masterplan Güterverkehr und Logistik”
- Demografic change and demand for transport
- Financing and modernisation of transport infrastructure
- Transport safety and security (Terrorism)
- Guaranteeing mobility in towns and urban agglomerations

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How do we make scientific knowledge available for policy advice?

- Departmental research institutions of the Ministry of Transport, Building and Urban Affairs (BMVBS):
  Federal Highway Research Institute, Federal Office for Building and Regional Planning , Federal Office for Maritime Navigation and Hydrography, Federal Institute of Hydrology, Federal Waterways Engineering and Research Institute, National Meteorological Service
- Research-Information-System (FIS)
- Current buildup of a departmental research unit “Integrated Transport Policy” (Think Tank)

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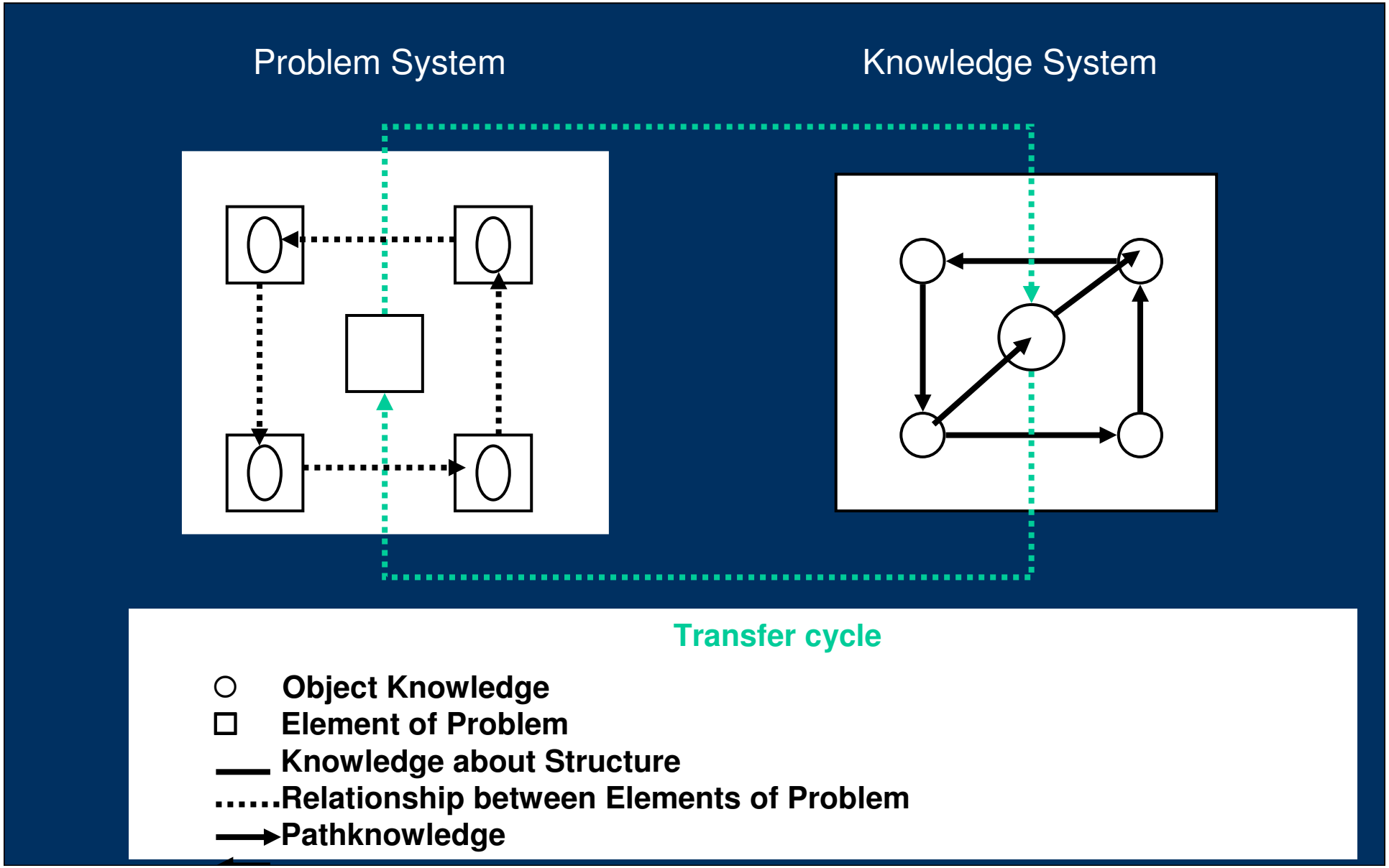
Merging of Problem and Knowledge System



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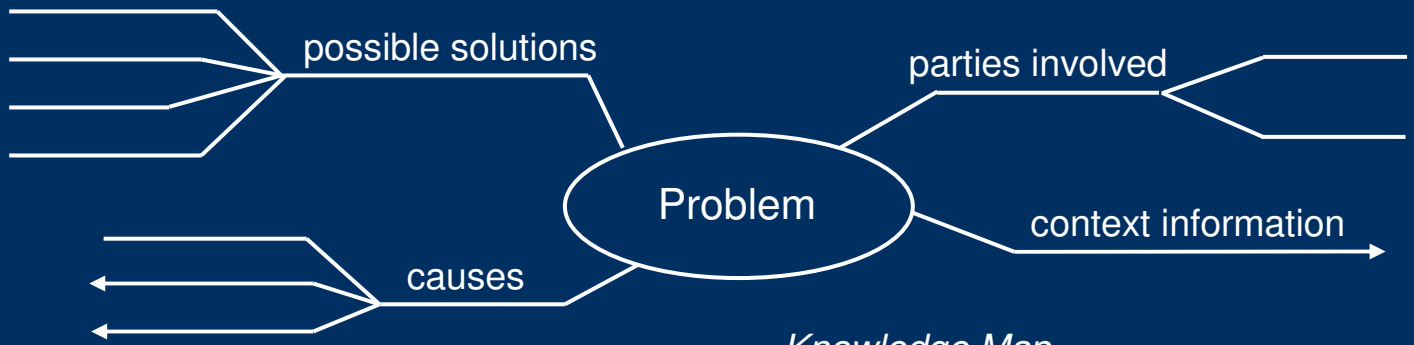
Structure of the Research-Information-System (FIS)



Knowledge Map