

## **Strategic Asset Management**

*Panel Chairs:* prof. K. Brown, Southern Cross University, Australia; dr J.F.M. Koppenjan, Delft University of Technology, the Netherlands; prof. P.M. Herder, Delft University of Technology, the Netherlands

*Panel Format:* Introductory, very brief paper presentations, followed by a roundtable discussion.

Infrastructure owners are increasingly adopting asset management strategies to improve the performance of their physical infrastructure networks. Asset management has the potential to contribute to sustainable infrastructure networks, e.g. by using a whole of life cycle approach. However, the effectiveness of these strategies is often limited by 1) the lack of embedding of the decision making regarding specific assets in the governance of the infrastructure as a whole and 2) the lack of coherence between infrastructure network management and asset management on the one hand and tendering and contracting practices regarding specific design, construction, maintenance and operation activities on the other.

### *Panel 1: Asset Management and Contracting: towards a Whole Life Cycle Approach to Infrastructure Networks*

In this panel we pursue to compare various physical public networks in the transport, energy, and the water sectors. Aim is to increase our understanding of the above mentioned incoherences and tensions and to identify patterns and best practices regarding the way public infrastructure managers deal with them, in order to enhanced sustainable network performance.

We invite papers that analyse the way technological, institutional and strategic similarities and differences can provide us with lessons regarding these tensions. Especially papers that do this by mapping the institutional structure and arrangements by which an infrastructure network in a specific sector is organized and governed (specifying technological network and asset features, the division of roles and responsibilities among public and private actors, the prevalent asset management strategies and the contracting practices) are welcomed.

### *Panel 2: Life Cycle Asset Management: incorporating operational and stakeholder issues*

In this panel we aim at identifying and comparing various approaches, methods and tools that support the incorporation of life cycle considerations into the design and redesign phase of infrastructures. We focus on the incorporation of operational issues, such as reliability, availability and maintainability (RAM), and on stakeholder involvement during the operational stage of the infrastructure. By comparing approaches from the transport, energy, telecom and water sector, we can identify common bottlenecks and find suitable solutions. We invite papers that discuss methods, approaches and tools that will allow infrastructure designers or redesigners to incorporate operational requirements (RAM and stakeholder involvement) into their designs. Papers that describe approaches that have been proven to work in practice are especially invited.