Block 2: Foundations of managing urban infrastructure systems

1. Introduction: What do urban infrastructure managers do?

Prof. Matthias Finger
Introduction: block structure

1. What do urban infrastructure managers do?
2. Managing stakeholders and related performance objectives
3. The main dimensions of urban infrastructure management
4. Schools of thought in managing urban infrastructure systems
5. Special focus on public-private partnerships (interview)
6. The role of the ICTs
1. What do urban infrastructure managers do?

In this session you will learn about the main activities of urban infrastructure managers, namely:

- **Planning** for infrastructure development
- **Operations**
- **Maintenance**
Planning

- Planning of acquisitions of transport vehicles
- Infrastructure services
  - Coordination between infrastructures and services
- Planning of transport and energy infrastructures
- Infrastructures
  - Planning of the water network
  - Planning of acquisitions of the IT systems
  - Planning of a city’s green infrastructures

© Matthias Finger - IGLUS 2016
iglus.org
Operations

Operations of transport vehicles

Infrastructures

Coordination between infrastructures and services

Infrastructure services

Operations of transport infrastructures

Metering and billing of water and wastewater

Operating the water and wastewater treatment plants
Maintenace

- Maintenance of transport vehicles
- Maintenance of transport infrastructures
- Coordination between infrastructures and services

Infrastructures

- Infrastructure services
- Maintenance of water metering
- Maintenance and repair of the pipes
- Maintenance of green infrastructures

© Matthias Finger - IGLUS 2016
iglus.org
Conclusion

- In this session we have looked at the main activities of urban infrastructure managers.
- In the next session we will discuss the main stakeholders of urban infrastructure systems.