

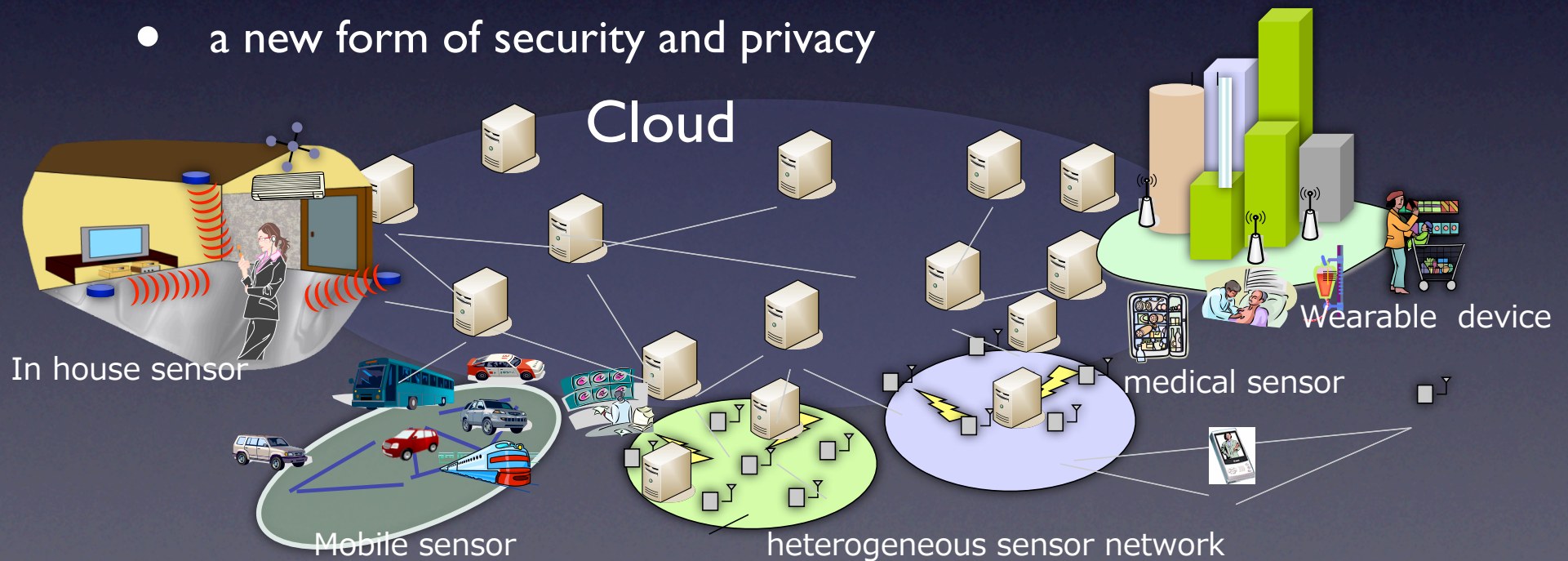
Pragma and Network

Shimojo Shinji
Osaka U/NICT
2011.10

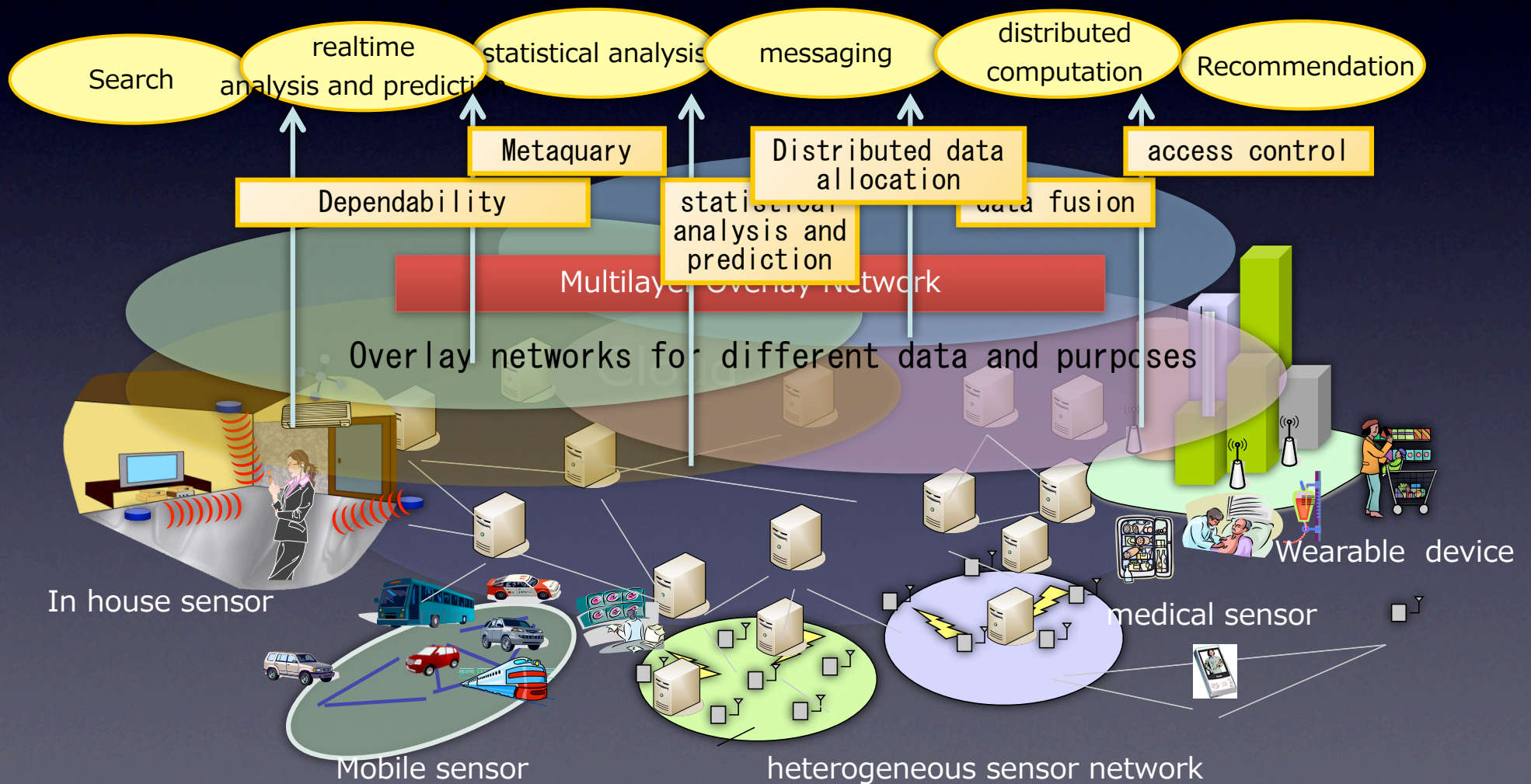
Smart X = Cyber Physical System

- IoT (Internet of Things)
 - billions of data sources, large scale data
 - mobility, churn
 - feature as a group or a set
 - a new form of security and privacy

Variety of services in many levels are required



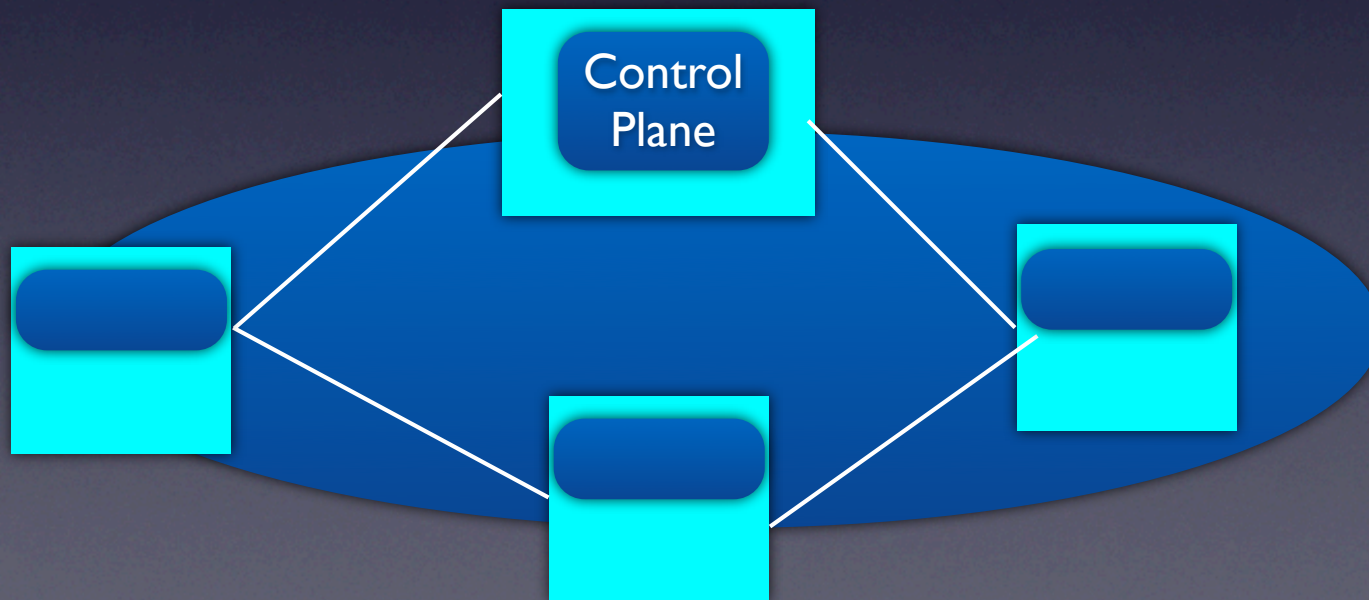
Smart X = Cyber Physical System + New Generation Network Technology



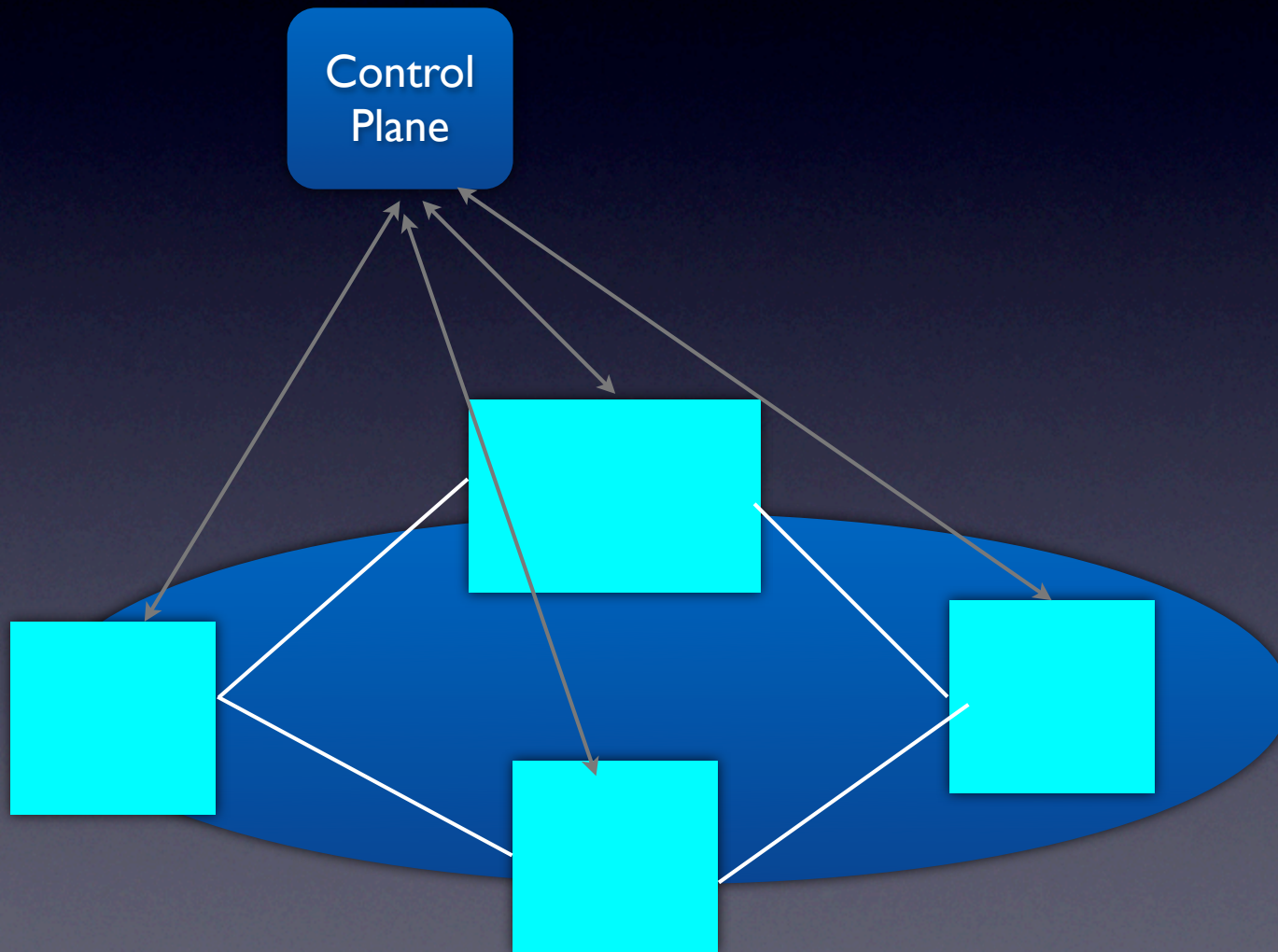
New Generation Network Technology

- Network Virtualization
- Software Defined Network
- ID/Locator Separation
- Contents Oriented Network
- In Network Processing
- Optical Networking
- Wireless Networking

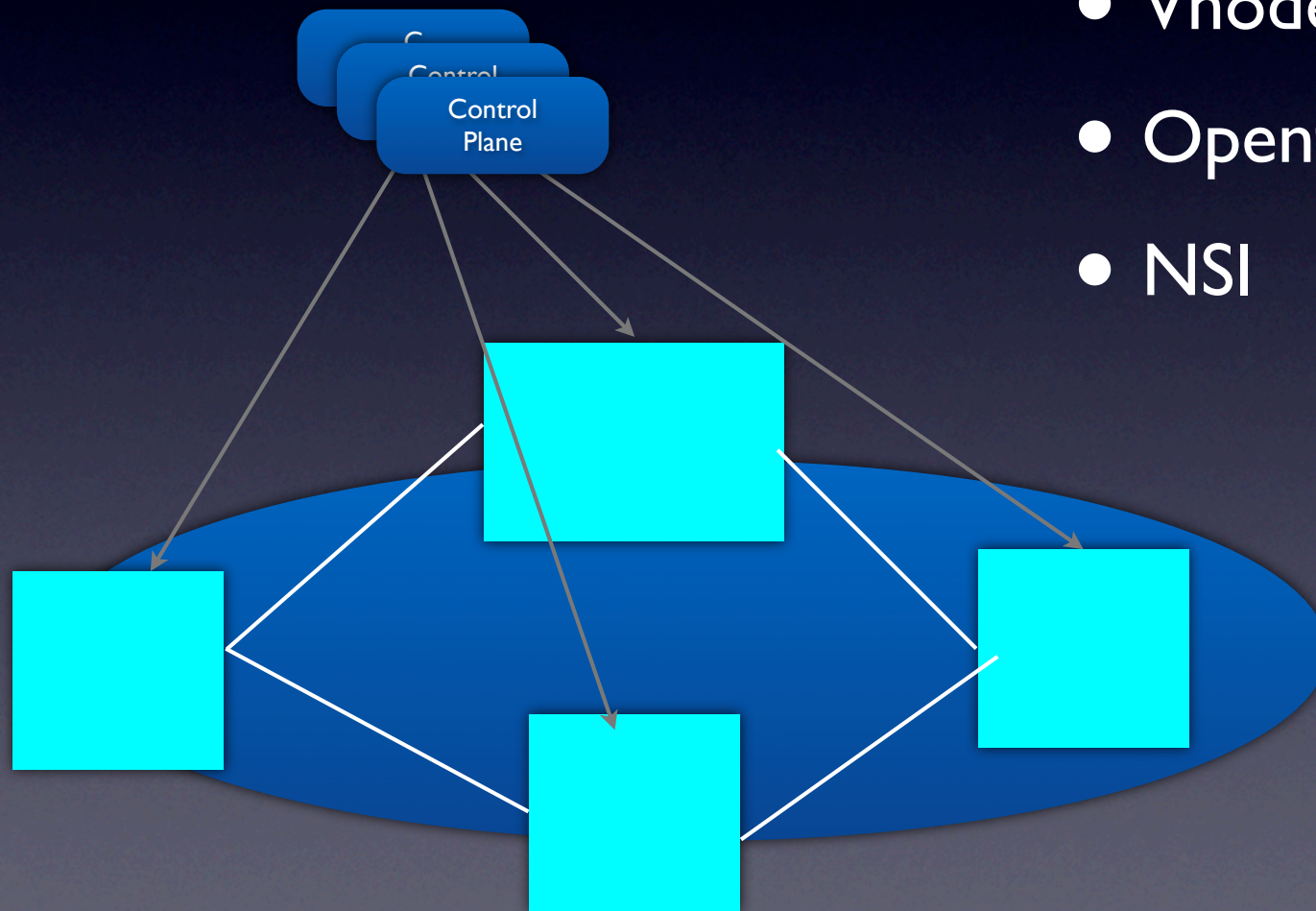
Software Defined Network



Software Defined Network



Software Defined Network



- Vnode/Corelab
- Openflow
- NSI

Challenge for Infrastructure

- Reuse
- Reduce
- Recycle



Can we share infrastructure, service and application on FB?