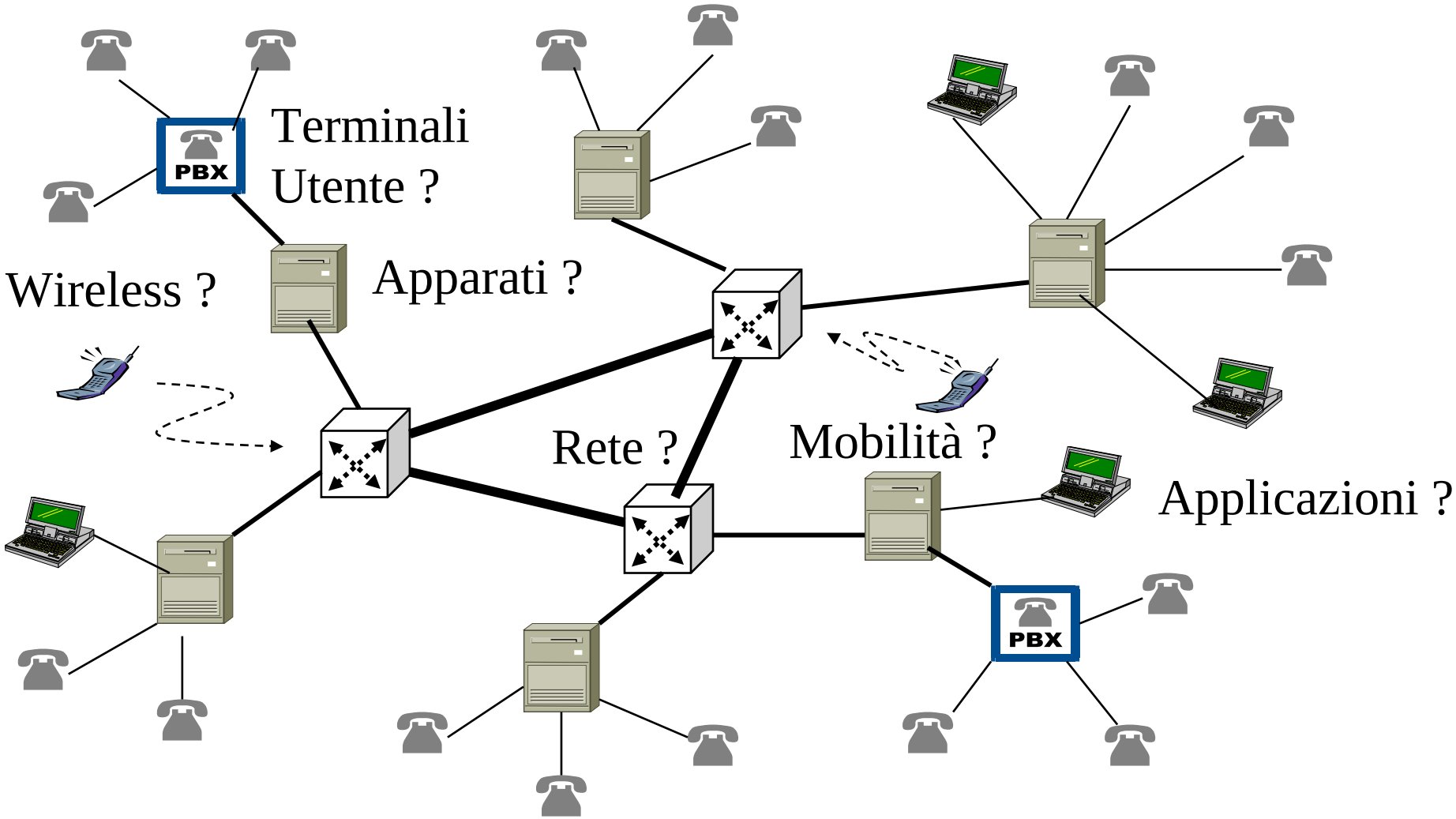
ATTIVITÀ PROGETTUALI DI RICERCA

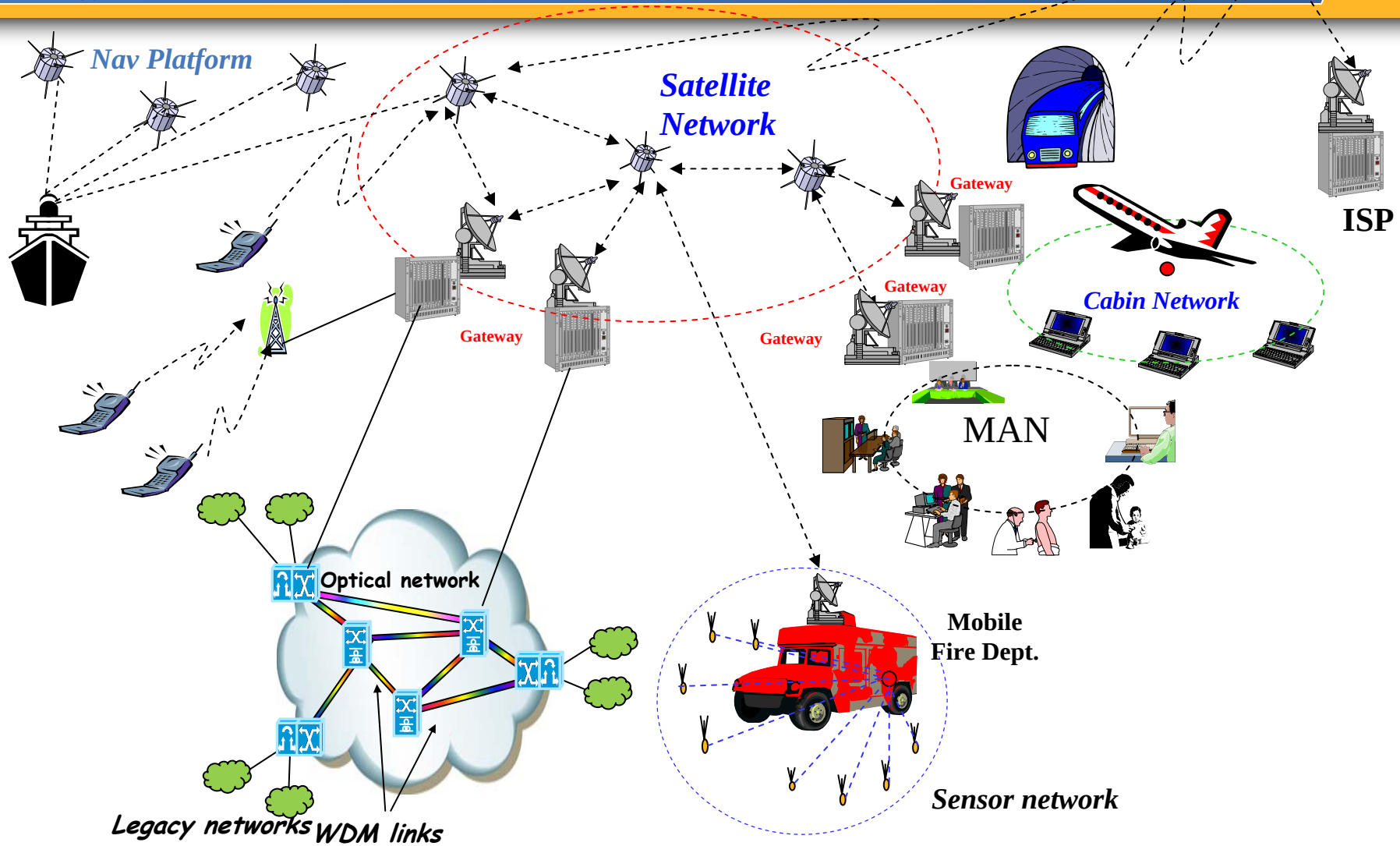
Prof. Ing. Maurizio Casoni
(maurizio.casoni@unimore.it)

Dipartimento di Ingegneria dell'Informazione
Università di Modena e Reggio Emilia

INTERCONNECTION SYSTEMS



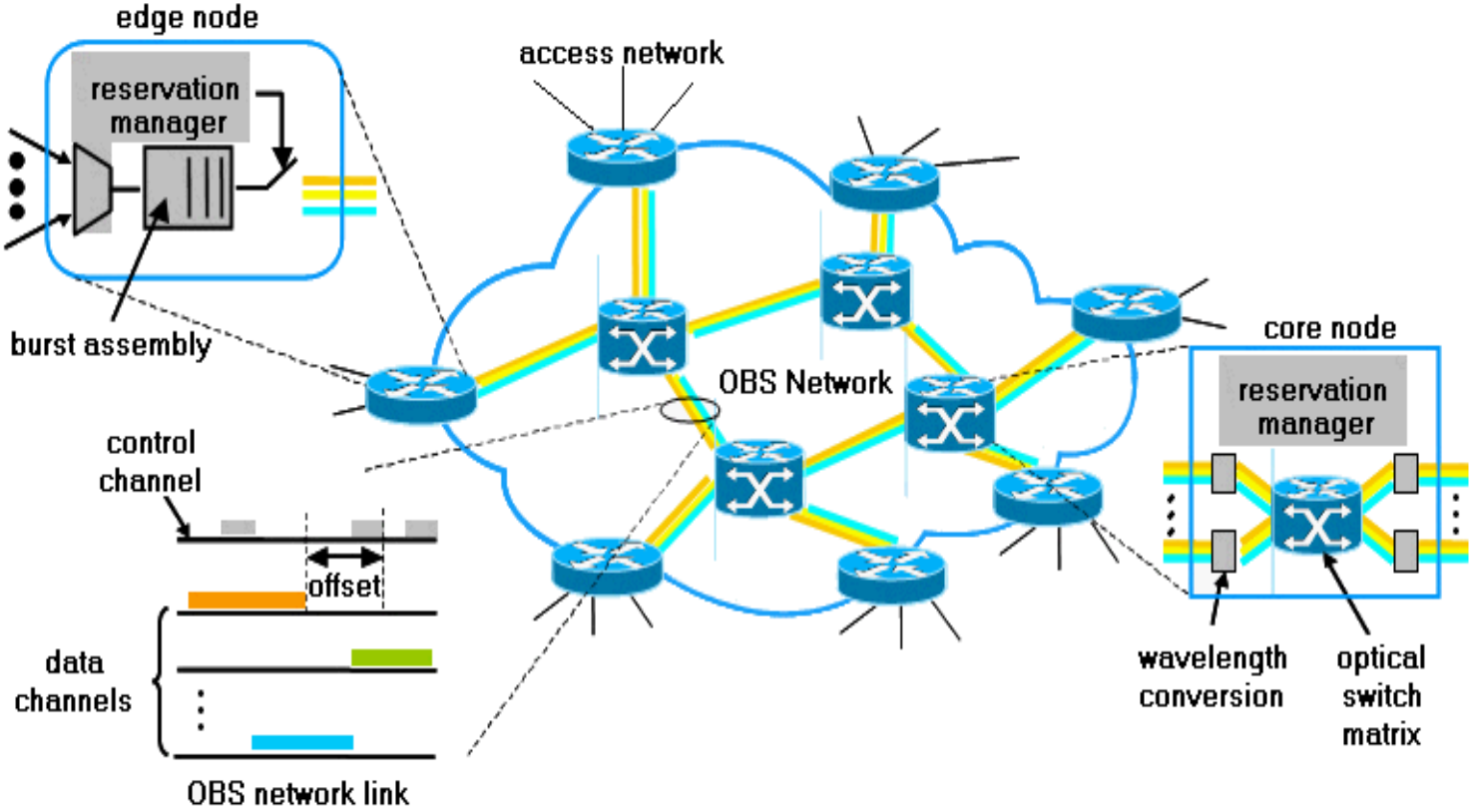
HETEROGENEOUS NETWORK



Optical Burst Switched Network

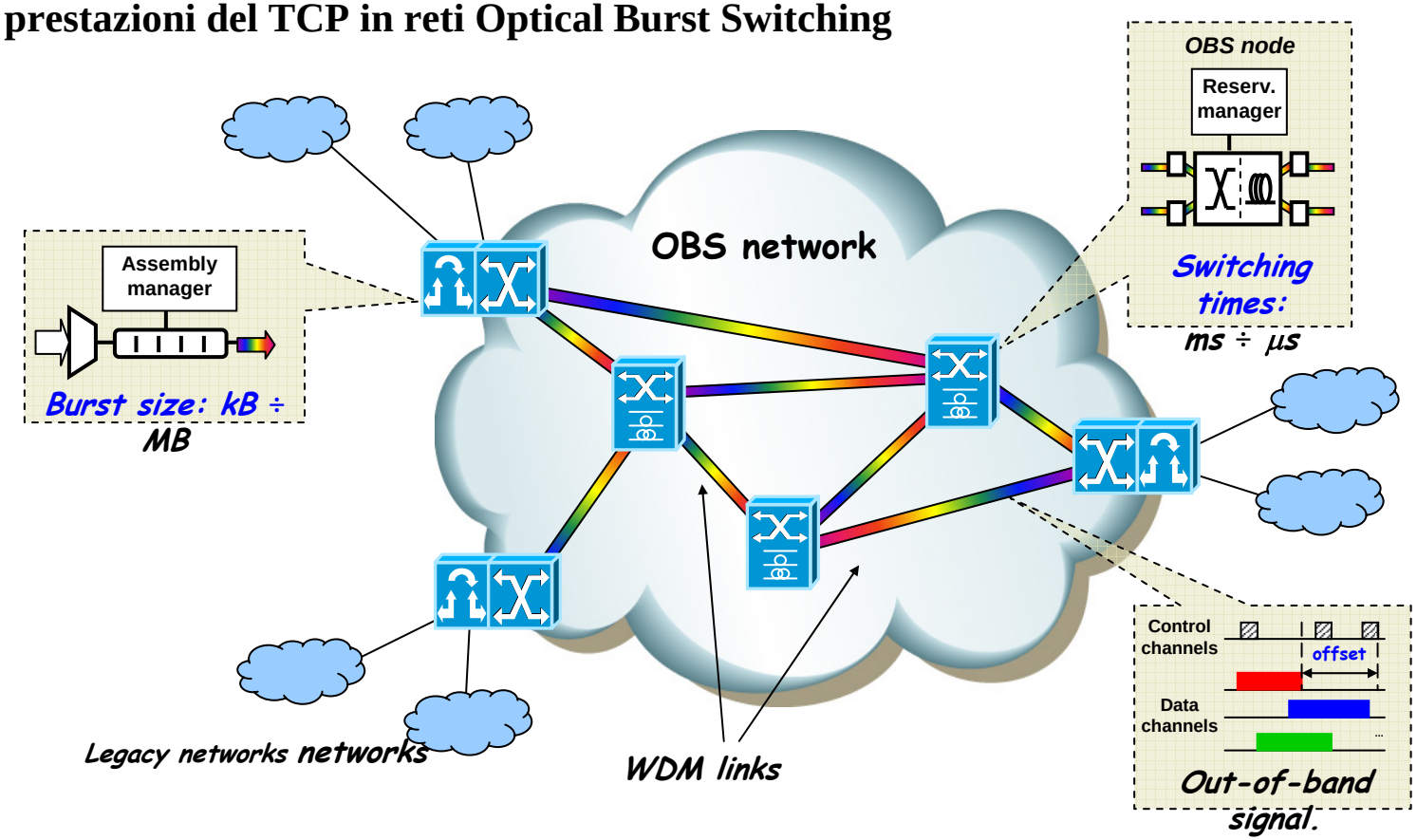
Progetto Europeo: Rete di Eccellenza

Building the Future Optical Network in Europe



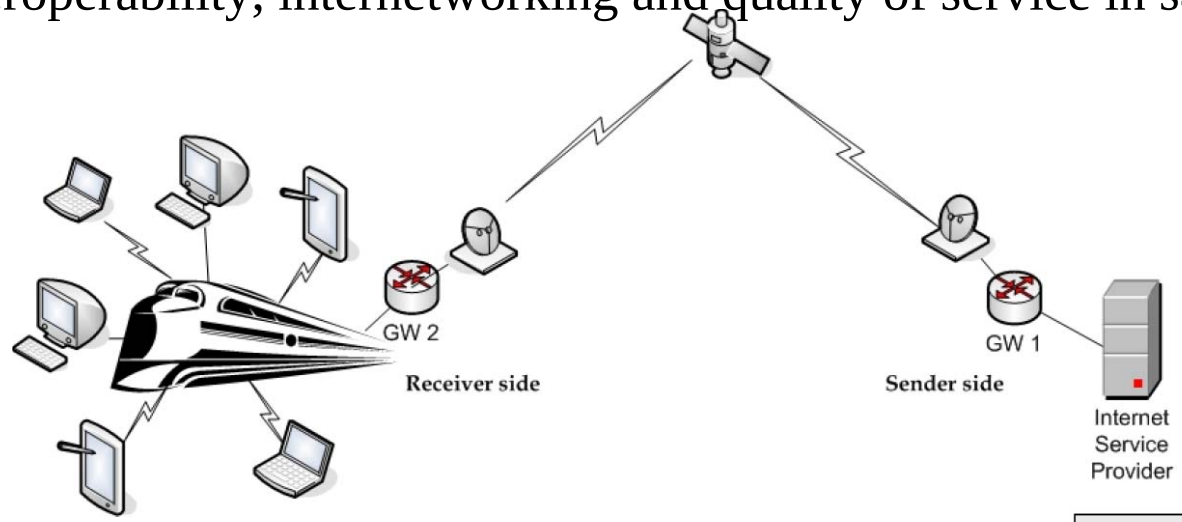
RETI OTTICHE AD ALTA VELOCITÀ PER INTERNET DI PROSSIMA GENERAZIONE

- **Architettura full optical switch/router**
- **Edge-to-node adaptation for hybrid high speed networks**
- **Tecniche di routing orientate alla Quality of Service**
- **Analisi delle prestazioni del TCP in reti Optical Burst Switching**

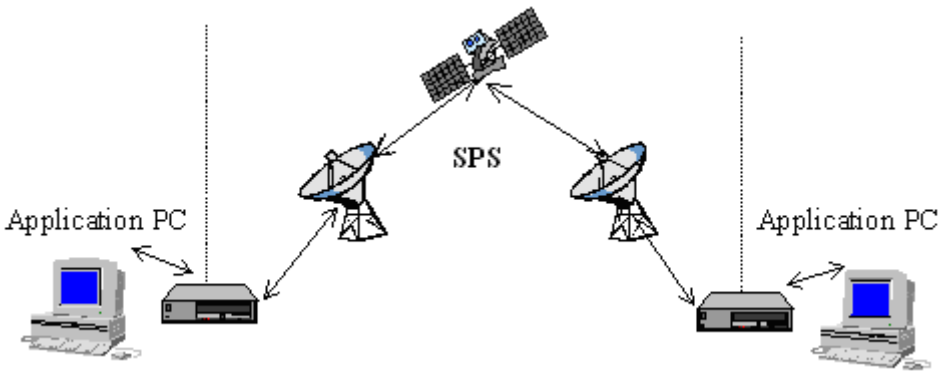


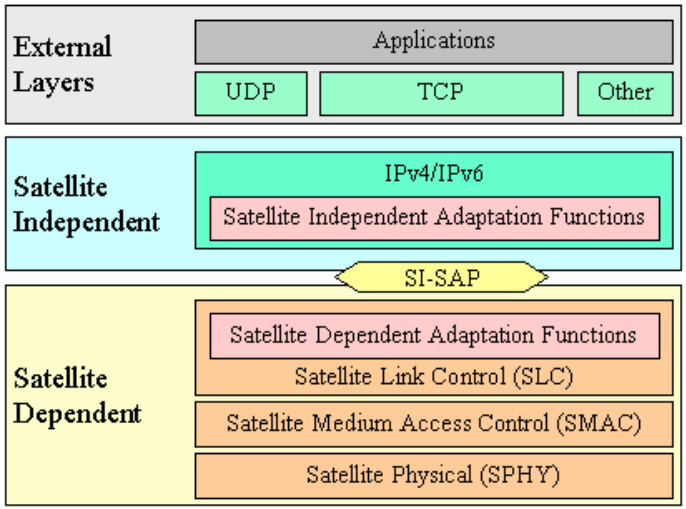
Analisi di reti TCP/IP satellitari

Interoperability, internetworking and quality of service in satellite networks

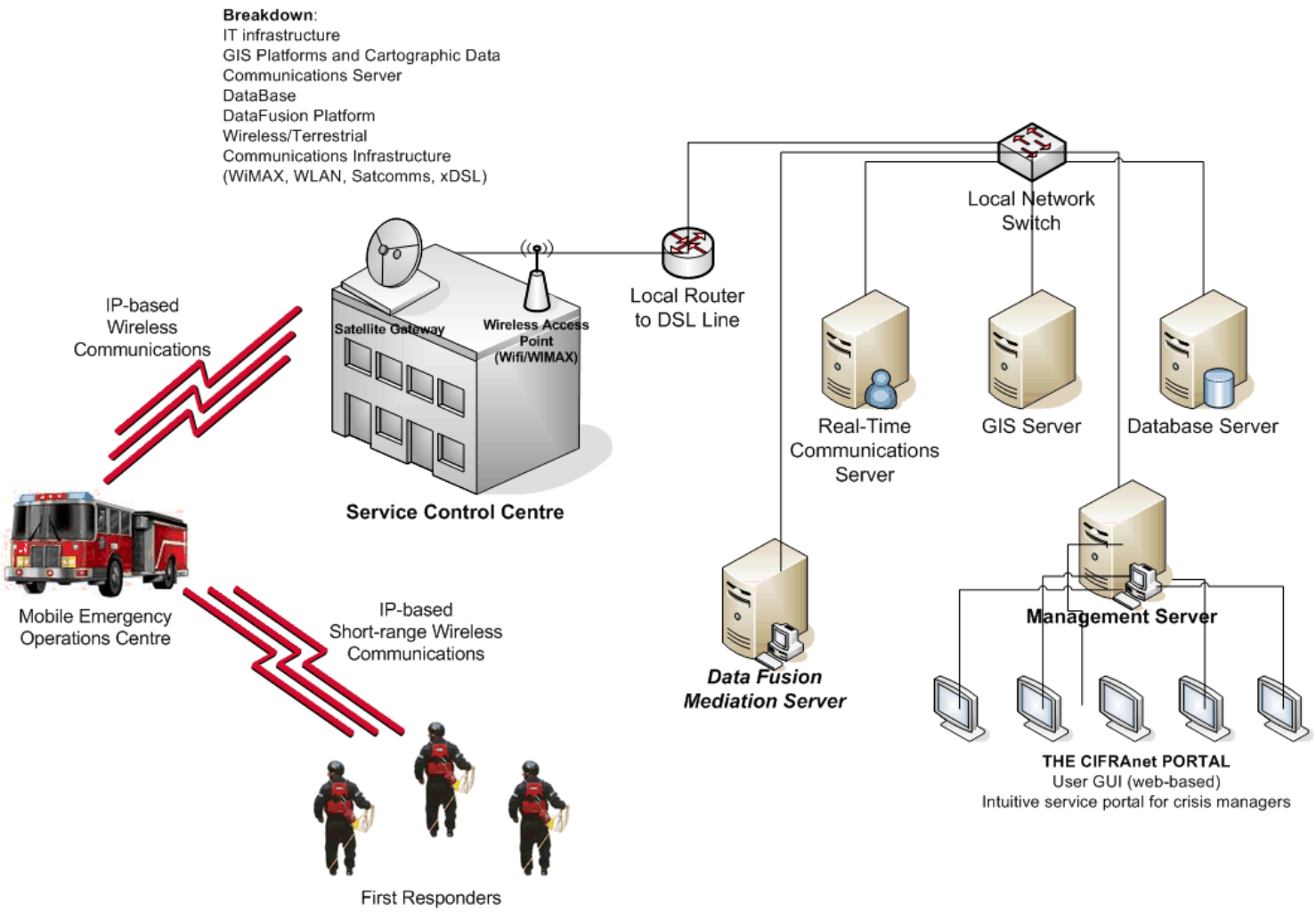


Hybrid scenario:
wired (GE/opnets)
and terrestrial wireless
(3G/4G/Wi-Fi/Wi-Max)
connected to satellite links





Progetto Europeo E-SPONDER



Collaborazioni per Attività Progettuali

Tesi di Laurea Triennale e Specialistica:

Studio di reti ottiche per la NG Internet

- **Analisi architettura dei router ottici**
- **Analisi di prestazioni di TCP su rete ottica**

Studio di architetture e reti via satellite

Simulazione (per esempio con simulatore ns e C++)

maurizio.casoni@unimore.it
casoni@ieee.org

http://www.dii.unimore.it/~mcasoni