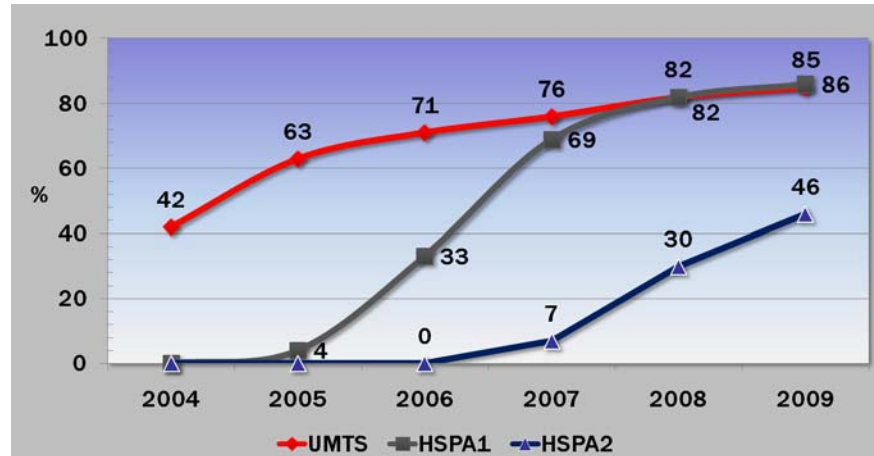
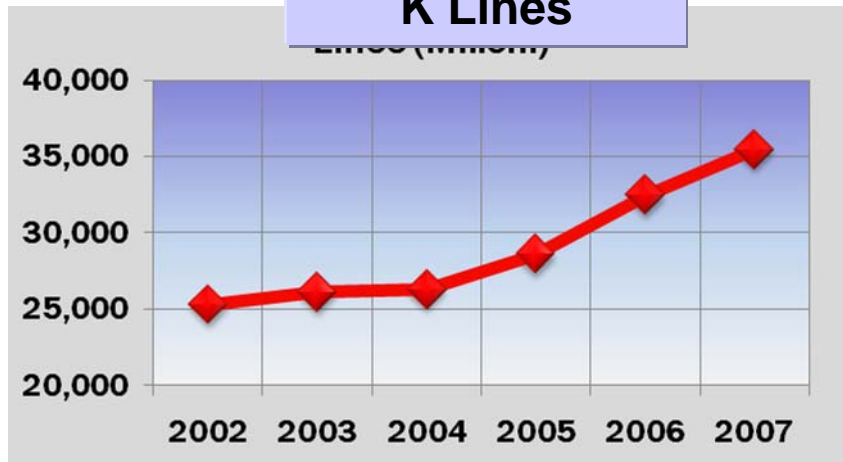


# Data volumes on the Broadband Mobile Access

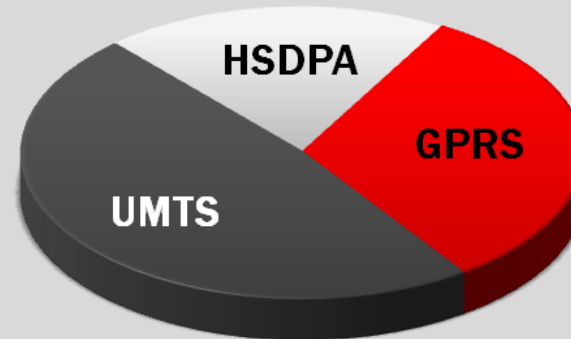
Traffic Volume TB



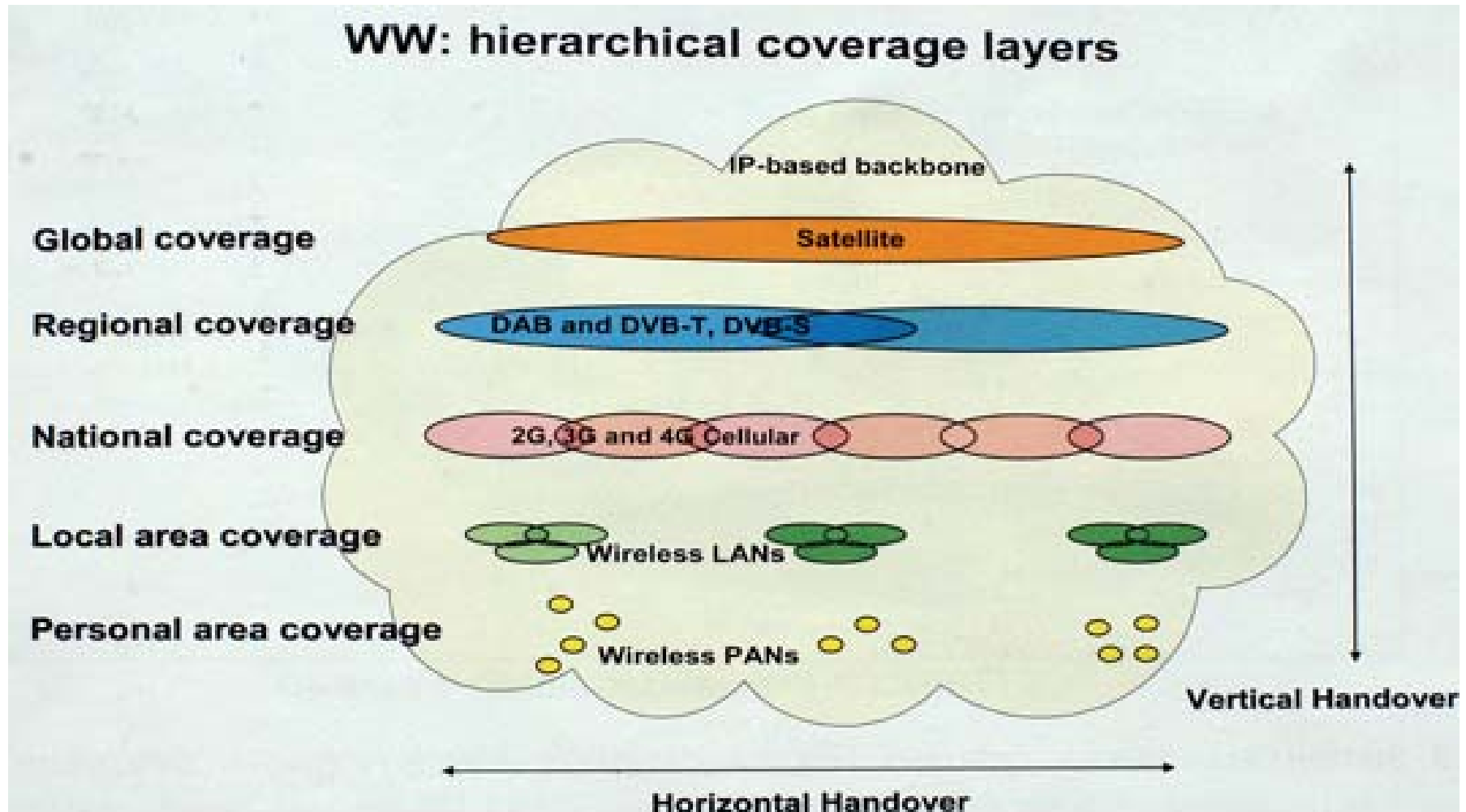
K Lines



Traffic Types



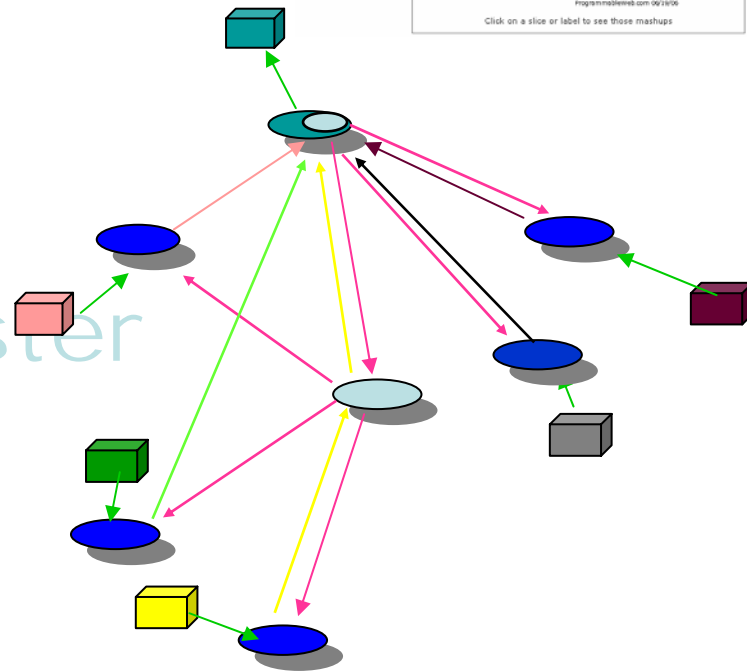
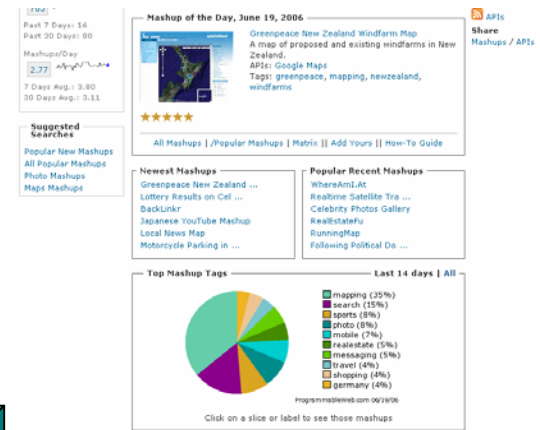
# Infrastructures - Wireless



# Paradigms

- Load Sharing
- Data Sharing
- Broadcasting
- Peer to Peer
- Cluster to Cluster
- Sticker
- Bit/Vid Torrent
- Layered/Mashe

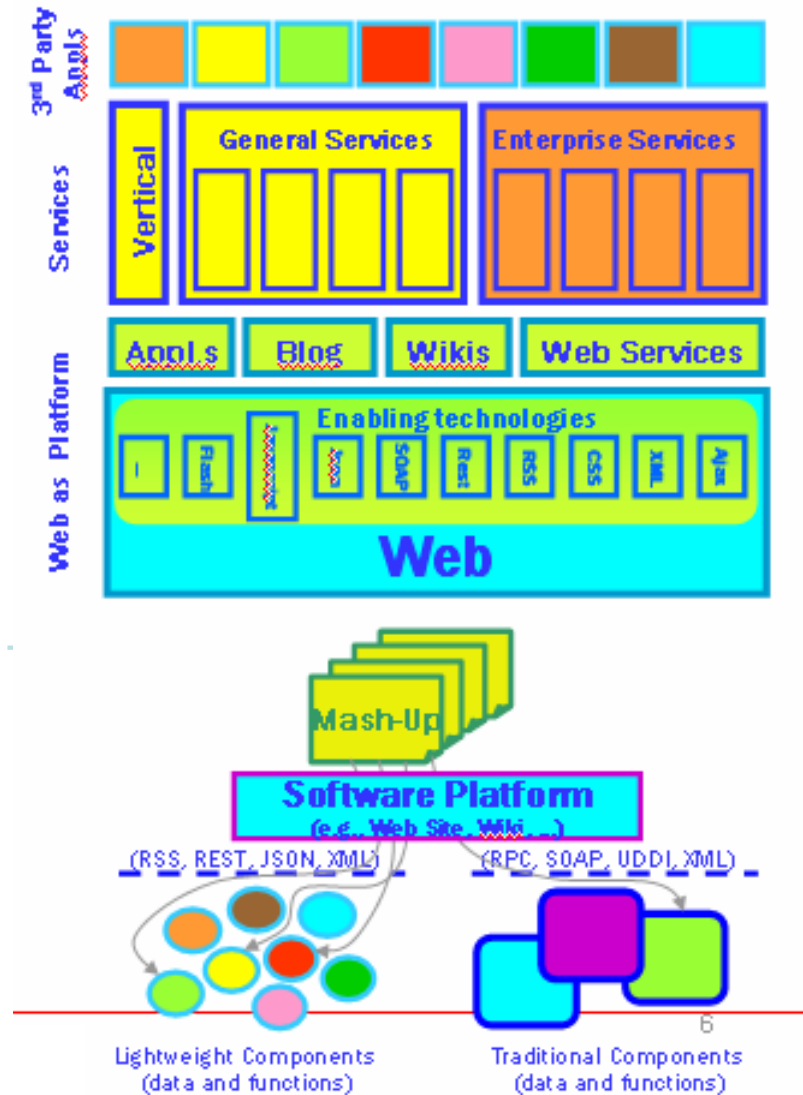
d



# Paradigms Web 2.0

- Load Sharing
- Broadcasting
- Peer to Peer
- Cluster to Cluster
- Sticker
- Bit/Vid Torrent
- Layered/Mas

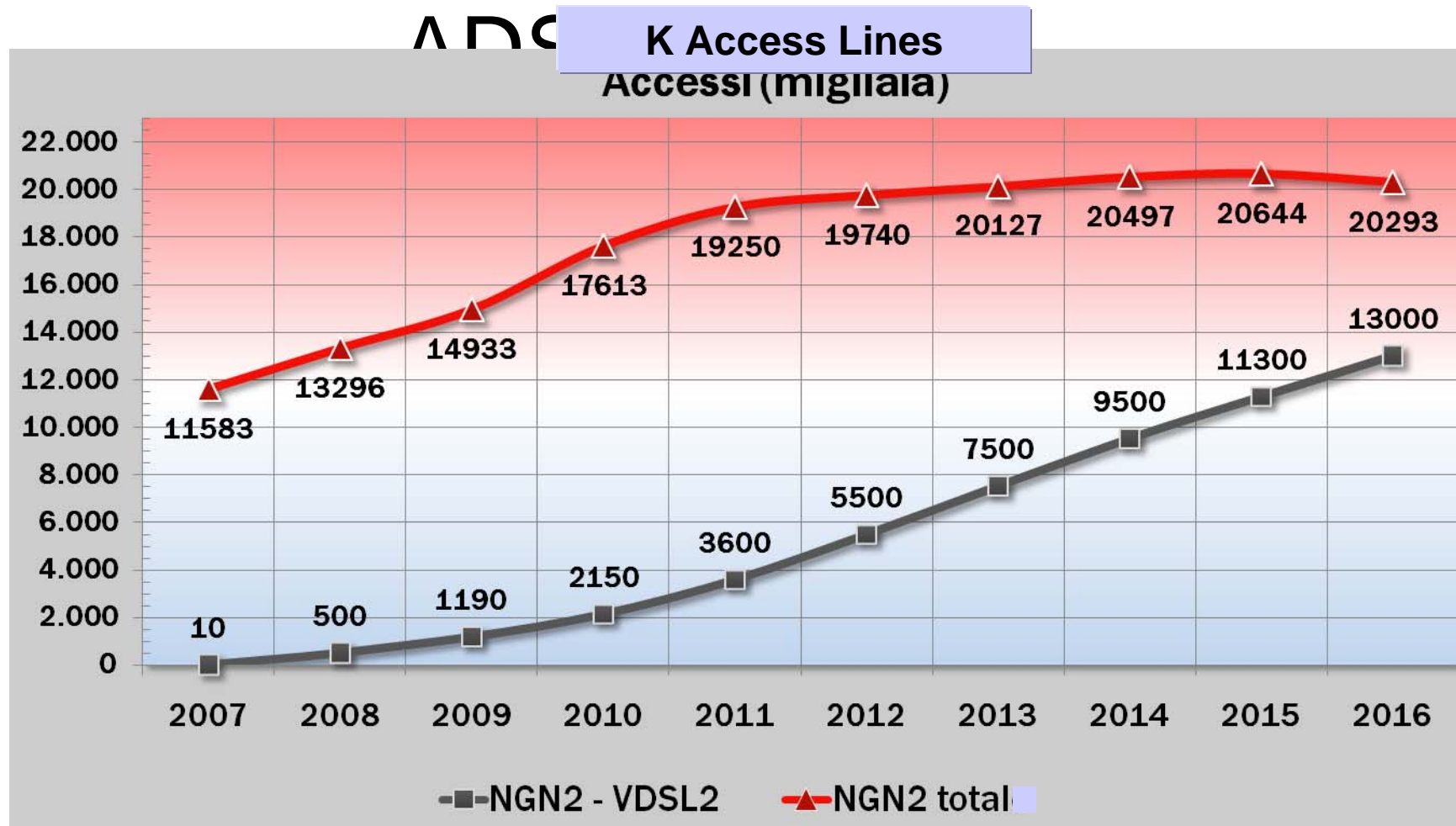
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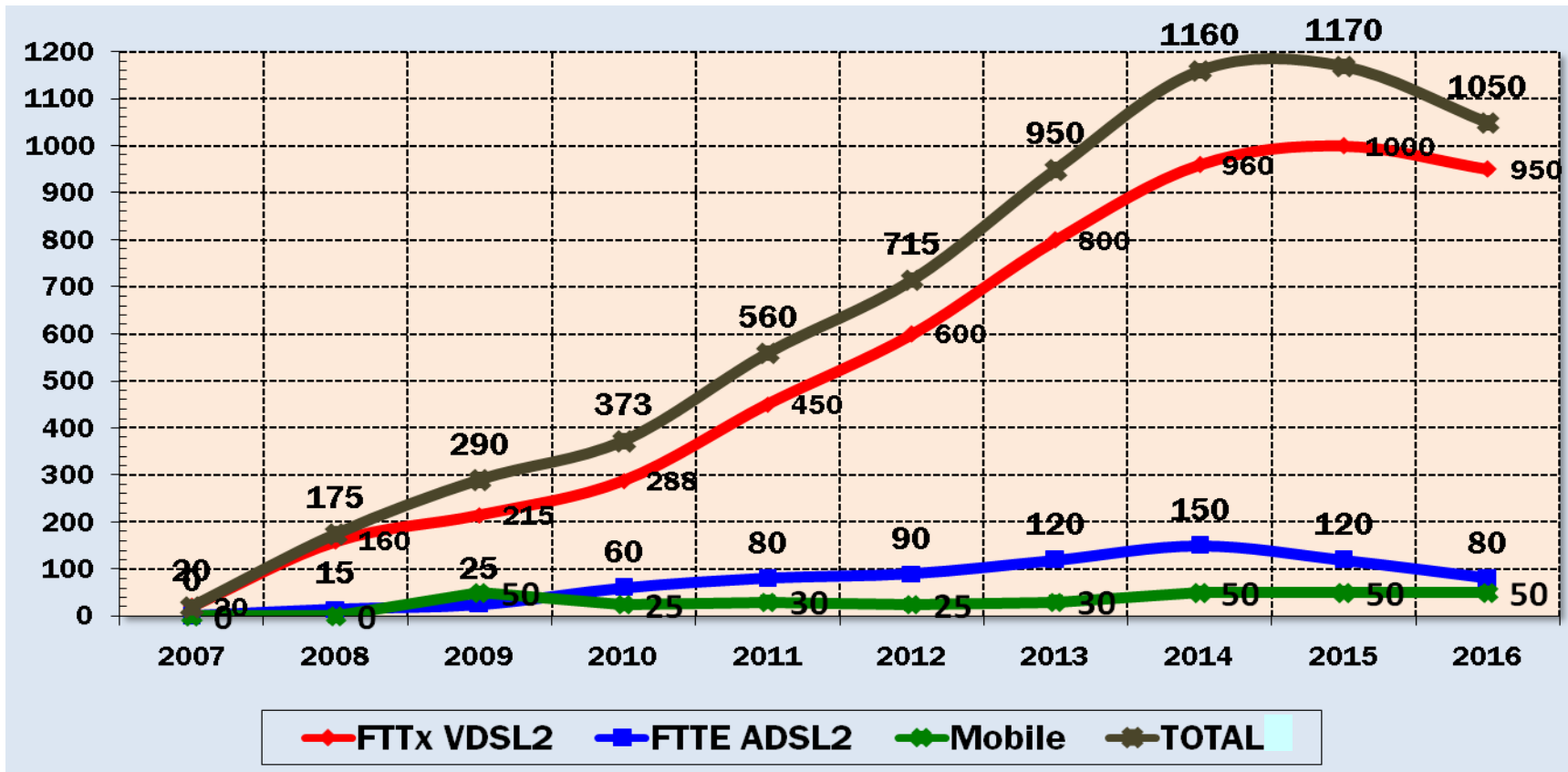
# NGN2 Penetration Evolution

## FTTx Architecture with VDSL2 &

STEFANO PILERI  
CTO TELECOM ITALIA



# Investment plan for NGN2 project (Telecom Italia 9/3/2007)



# Consumer Market Service Architecture NGN2 enabled

**Voip**  
**Videocomunicazione 2**

**HDTV – IPTV – Mobile TV**  
**WEB 2.0 – WEB TV**

**Home Office**  
**Home Health Care**  
**Home Security**

## **Servizi “ISP2”**

- Giga-mail, Storage,
- Istant Messaging,
- My Web Site
- Home Network

## **Assistenza Plus**

- Help Desk
- SLA
- Device Management
- Istallazione

## **4 Play convergent**

- Convergent Voip
- Istant Messaging mobile
- My Web Site

**VDSL2 – HSPA2 connectivity ( “upstream +” )**

# Business Market Services Architecture NGN2 enabled

Voip  
Videocomunicazione 2  
(Telepresenza)

CRM  
ERP  
Net Computing

Home Office (telelavoro)  
Videosorveglianza  
Building/Office Automation

## Servizi "ASP2"

- Tera-mail, Storage
- Istant Messaging,
- Web + Intranet + Collaboration
- Punto LAN

## Assistenza Plus

- Help Desk
- SLA
- Device Management
- Istallazione
- Security Management

## "Mobile Office"

- HSDPA
- Istant Messaging mobile
- Web Site ( .mobi)

**VDSL2 – HSPA2 connectivity**

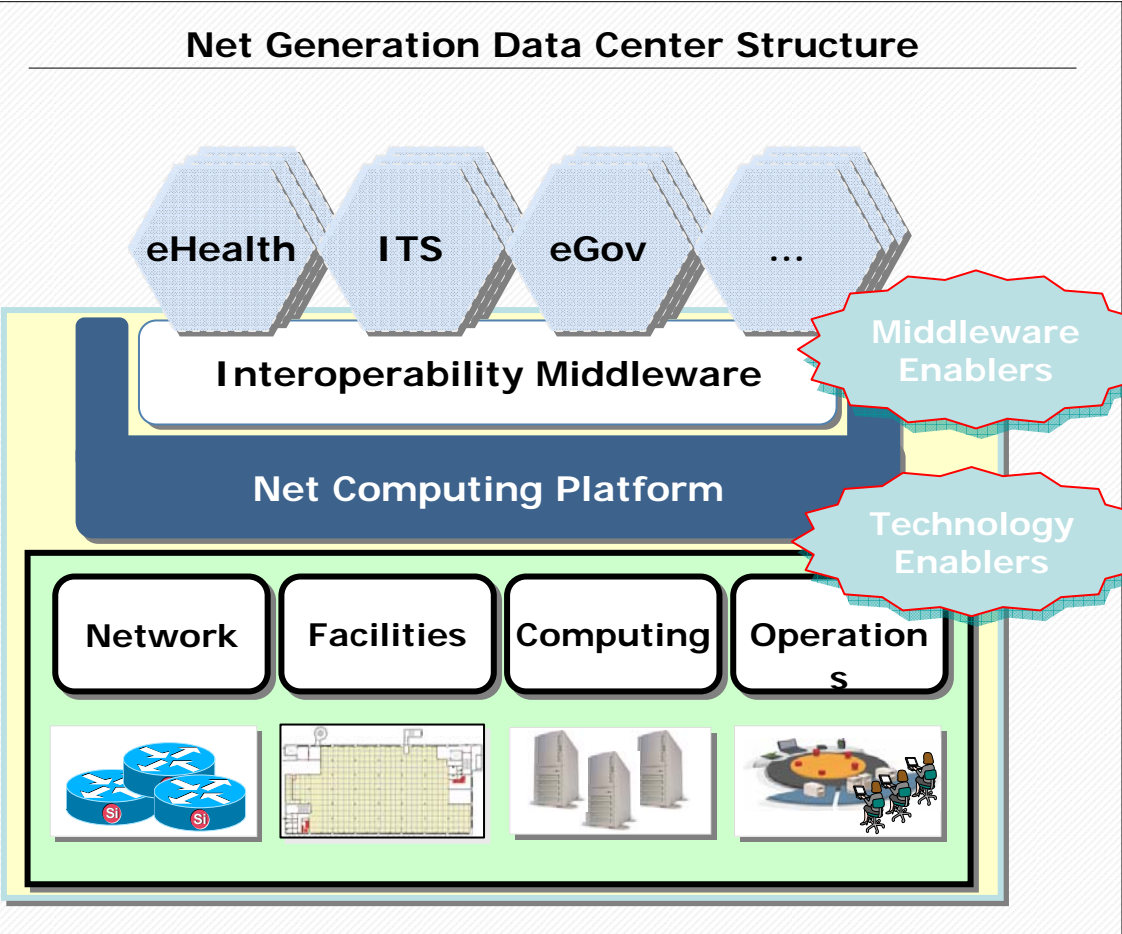


# ICT Services

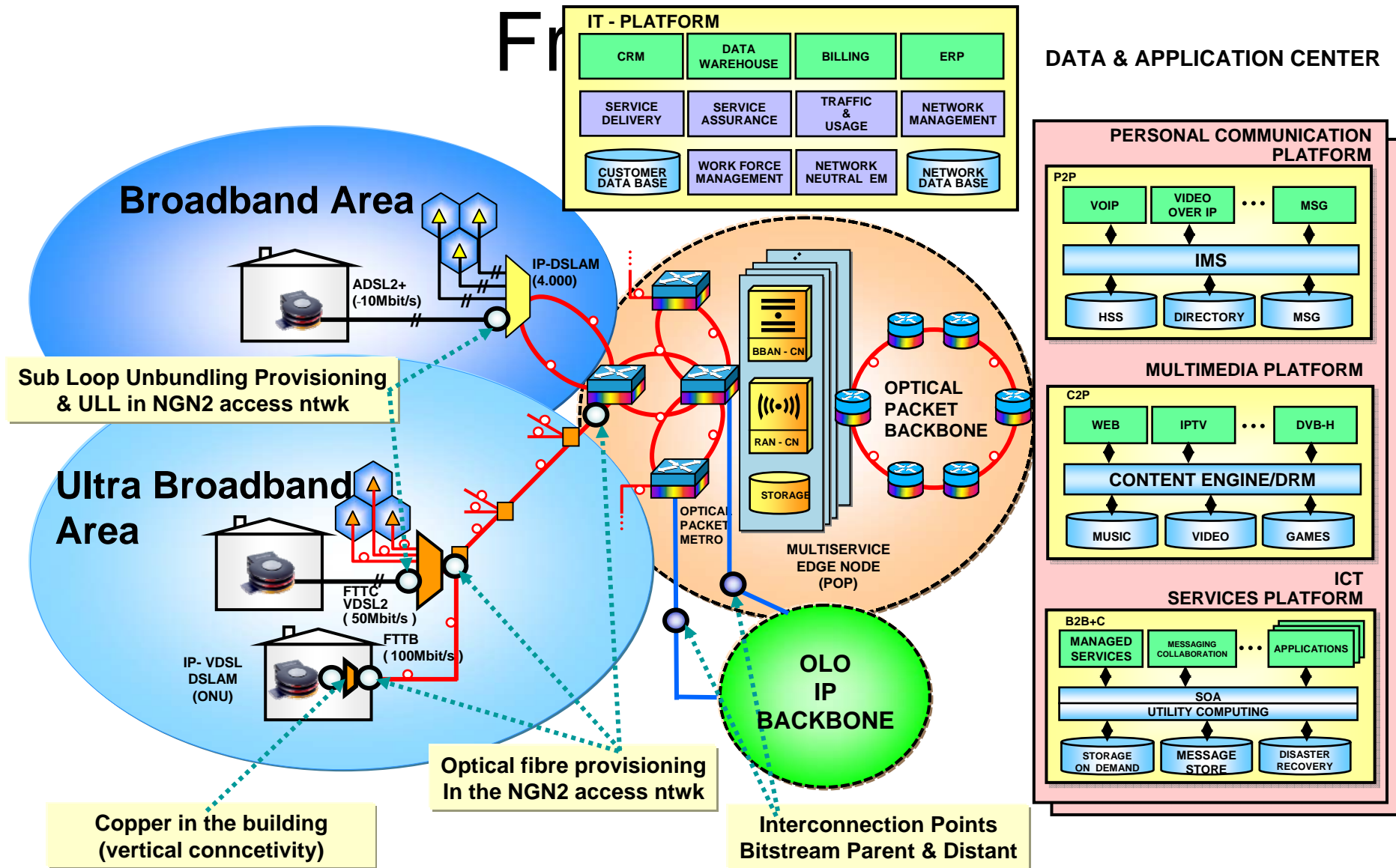
Regional Data Centers Development Plan



Net Generation Data Center Structure



# “Not Regulated” NGN2 Network



# Next Generation Convergent Networks

*Thanks*

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roberto.saracco@telecomitalia.it