



**SOLUTIONS
COMMUNICANTES
SECURISEES**
PÔLE DE COMPÉTITIVITÉ MONDIAL

LES PÔLES DE COMPÉTITIVITÉ
MUSCLES DE CROISSANCE ET D'EMPLOI

PRIDES
Région Provence-Alpes-Côte d'Azur

Forum OCOVA 2011

Objets Communicants, Valorisation et Promotion des Territoires

Mobile Networks, handsets and services trends

Laurent Londeix , Président Pole SCS



Mobile Phones usage

TV/ Music



Cameras



Games



To entertain myself

GPS

Gyroscope



To find my way

and to call !



To purchase goods

NFC



Credit cards



To protect my health



E health / M2M

To maintain links



SMS/MMS

Social Networks

To get information



Flashcode

Internet browsing

Augmented reality

To work



Email

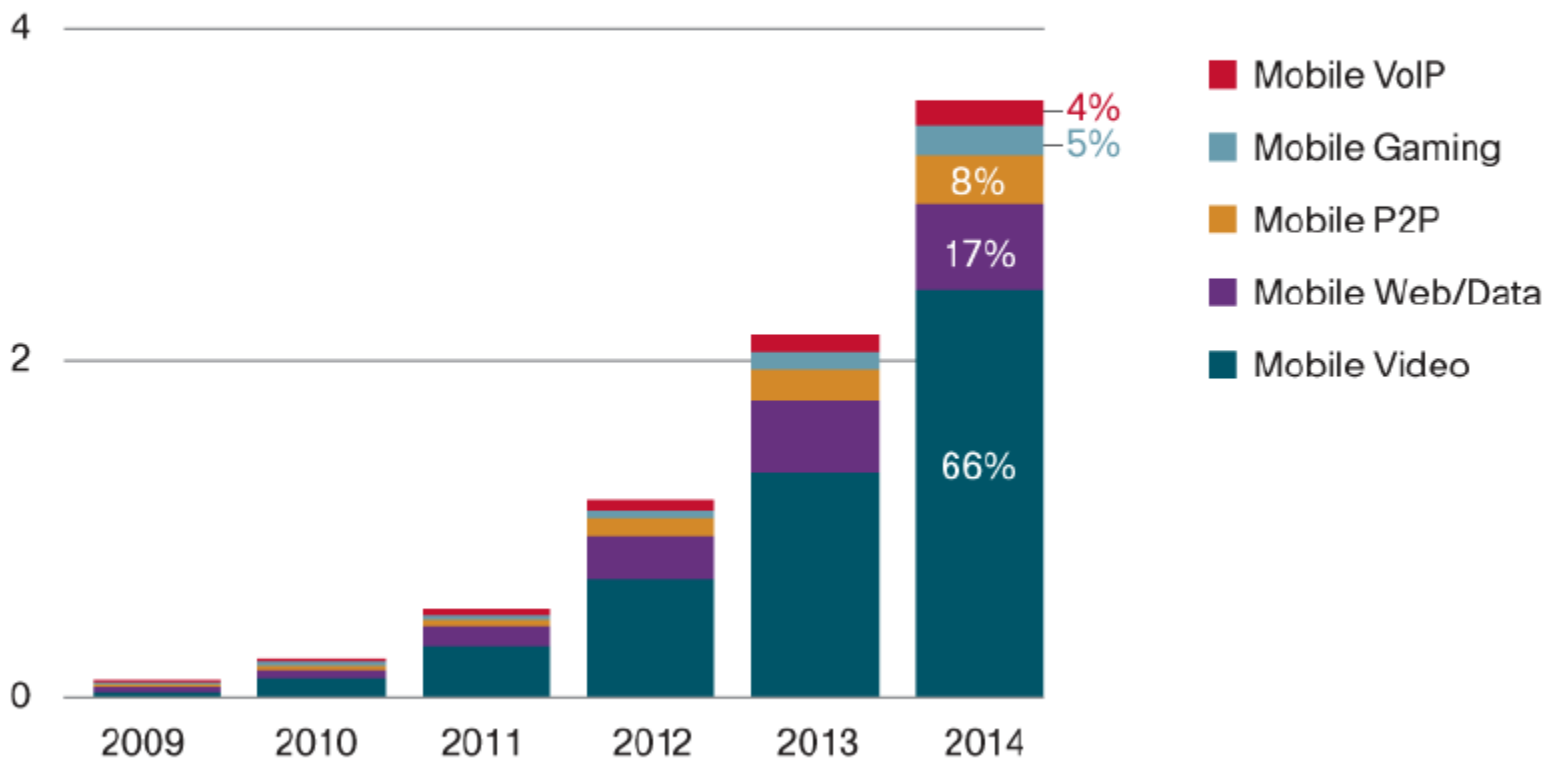
Professional Apps

Fast growing data usage

Global Mobile IP Traffic Will Grow at a CAGR of 108 Percent from 2009–2014

Exabytes per Month

108% CAGR 2009–2014

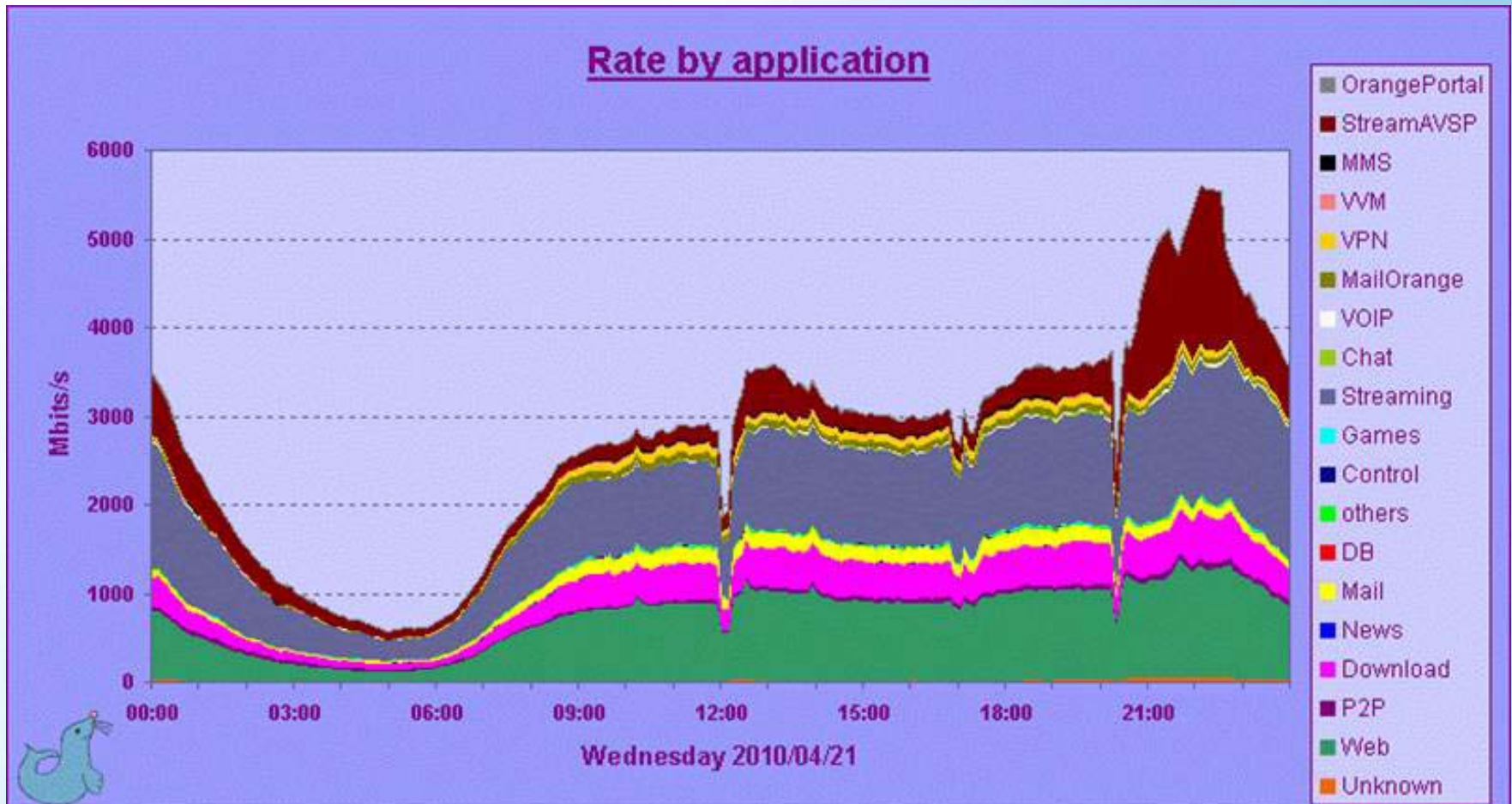


Source: Cisco VNI, 2010

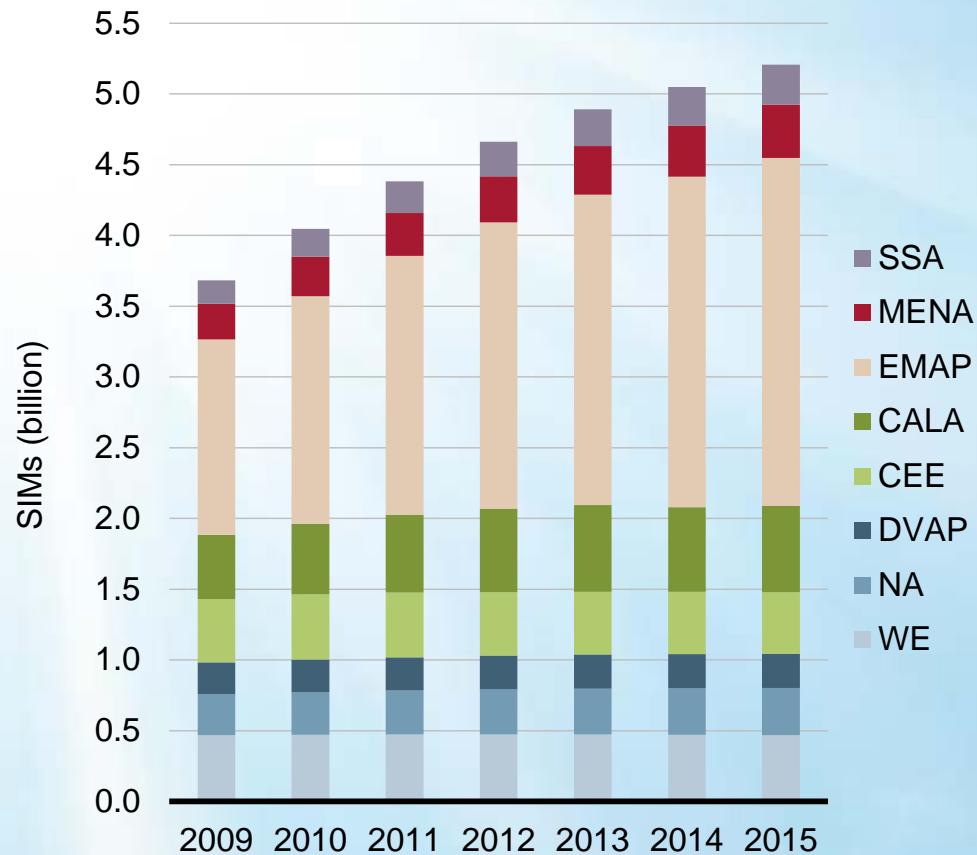


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Multiple usage types



Mobile handsets growth

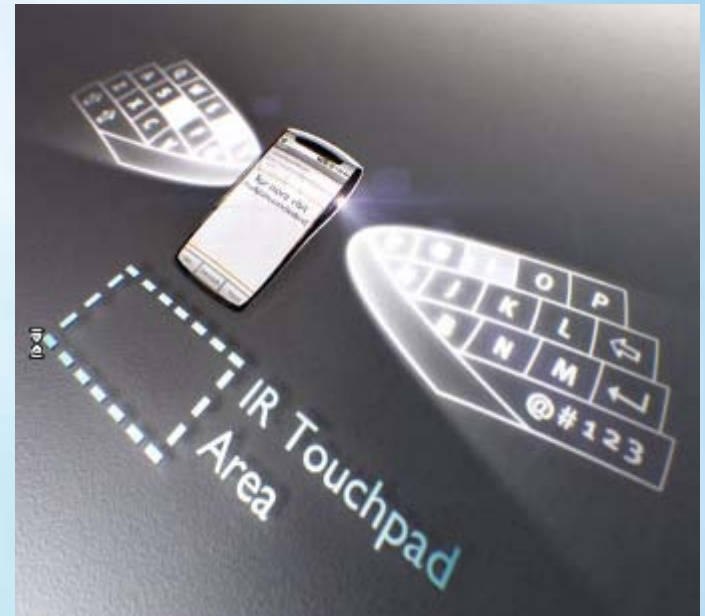


Handsets of tomorrow



Le mobile du futur selon Mozillabs:

- Zoom 3D
- Projecteur de clavier et récepteur infrarouge
- Haptic clicking



Sharp :

sortie en décembre 2010 au Japon de téléphones Android 3D auto stéréoscopiques

Network evolution challenges

three main drivers

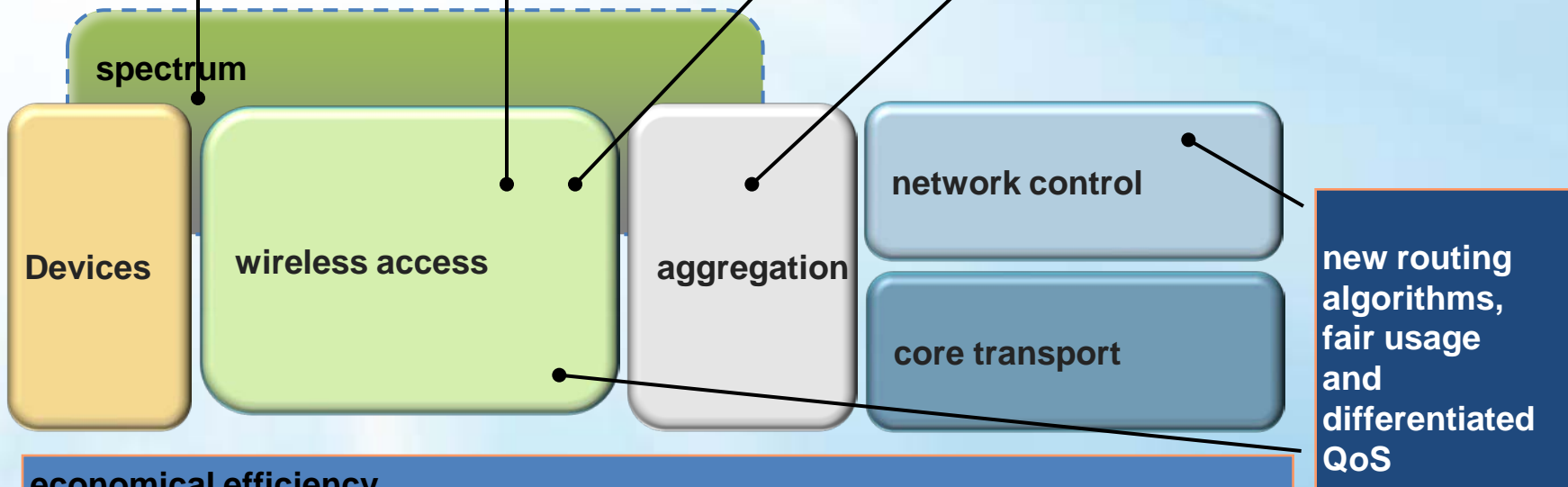
mobile data take up
explosion of video services
preparing all-IP network

spectrum refarming and new spectrum

deployment of capacity features

offload (e.g.wifi)

evolution of mobile backhaul for data traffic growth

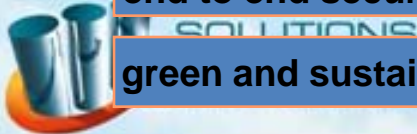


economical efficiency

Integration of billions of communicating objects

end to end security and QoS Assurance

green and sustainability



Some handsets and applications challenges

Which operating systems will survive 5 years from now?

Will security remain SIM centric ?



How to deal with multiple protocols, differentiated QoS and applications priorities ?

How to optimize energy consumption in always more powerful mobiles?

How to ensure data security with mixed professional & personal usage ?

Will it be a Mobile Cloud ?



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Thank you for you attention

Merci de votre attention



Région
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Hautes Alpes
Conseil Général



NICE
CÔTE
AZUR

