

# Broadband market perspectives in the Italian scenario

Extract

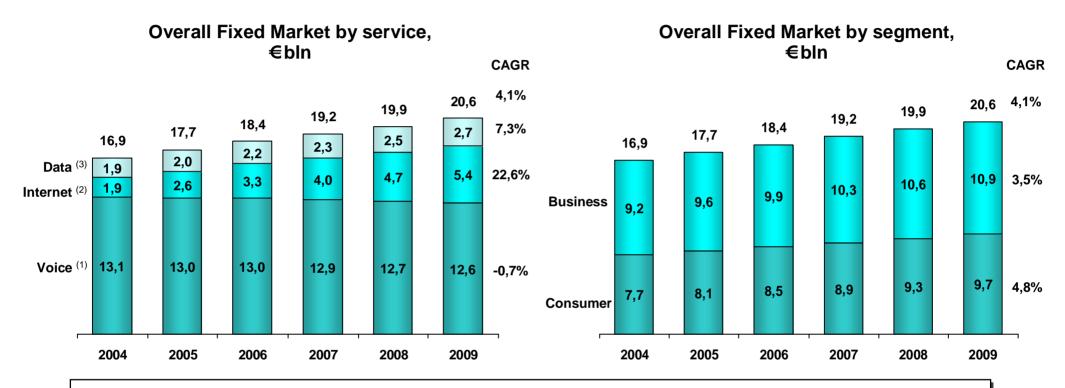
Marco Troncone, Principal

Milan, 21 April 2005

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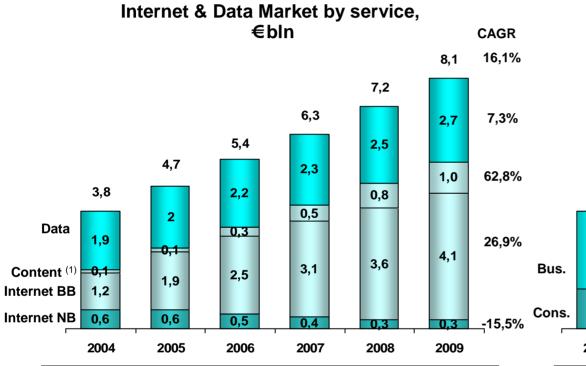
- n Expected evolution of the Italian broadband market
- n The way forward: the 'x-play' challenge

# Overall Italian fixed market is expected to grow at about 4% driven by Internet & Data strong growth mainly in consumer segments

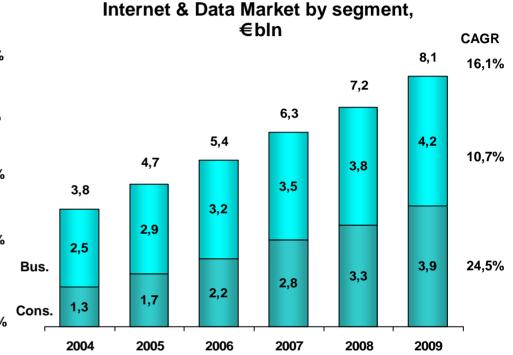


- § Voice market slightly declining due to substitution effect between fixed and mobile and continuous price competition
- § Internet market showing strong growth rate sustained by broadband penetration and new video services
- § Data growth explained in particular by the development of innovative IP-based data and web services market
- § Consumer segment showing slightly higher contribution to overall growth
- (1) includes Fixed VAS
- (2) includes Internet content / entertainment services
- (3) includes Data Transmission and Web Services

# Internet & Data Market growth will be mainly pushed by broadband expansion in consumer segment



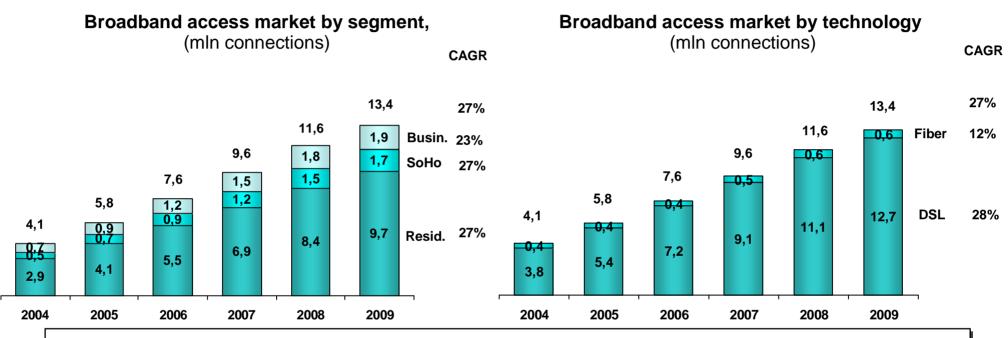
- § Internet dial-up reducing over time due to progressive migration to broad-band accesses
- § Broadband market growth mainly fostered by low-entry barriers xDSL accesses and new content services, in particular by Pay-TV / VoD offerings
- § Data segment growing mainly due to web services and IP-VPN for business customers



§ Consumer growth is driven by ADSL penetration, while traditional data continue to play an important role for the business segment with particular focus on IP VPN services (CAGR 2004-09: 18%) and ASP / Streaming (CAGR 2004-09: 25%)

<sup>(1)</sup> includes Internet entertainment services (PayTV, VoD and other content services) Sources: IDC, Ovum, ATK Analysis

# Broadband access market fast growth will be mostly rolled out through DSL and will be subject to significant price reduction at comparable bandwidth

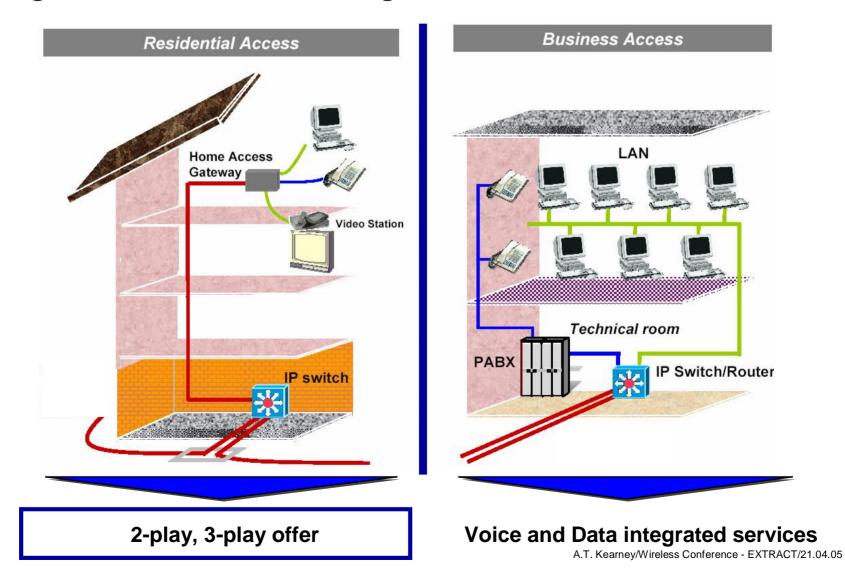


- § BB penetration in the consumer segment growing significantly but limited by lower PC adoption compared to main EU peers (eg. 61% vs. 69% for Germany and UK, 73% for Netherlands)
- § Most broadband growth explained by xDSL accesses, through both wholesale and direct options
- § Limited growth of fiber also confirmed by Fastweb customer base evolution and projections (increasing ULL xDSL share from current 60%)
- **§** Market value growth only partially limited by price reduction, expected to decrease only by 4% / year due to increasing access performance (larger bandwidth availability)

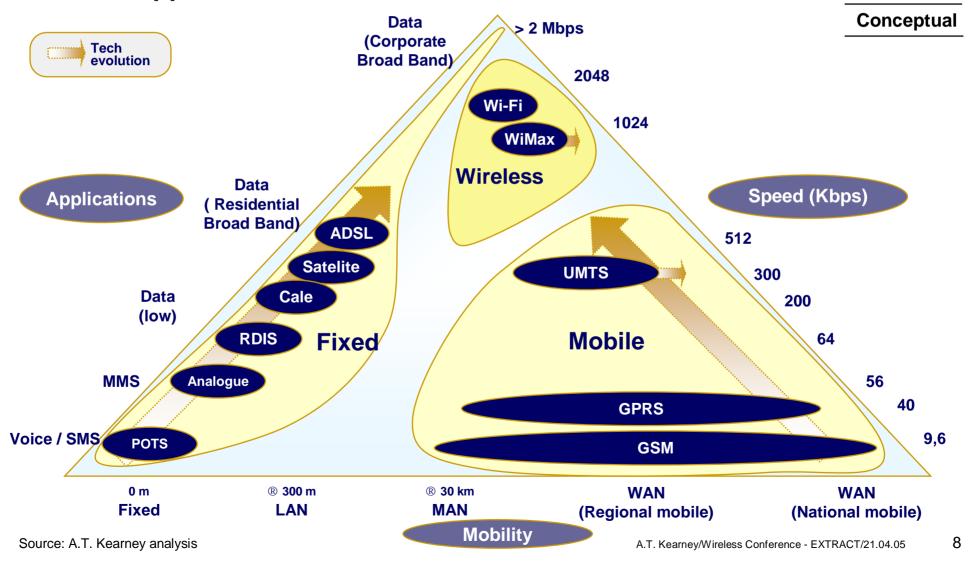
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- n The way forward: the 'x-play' challenge

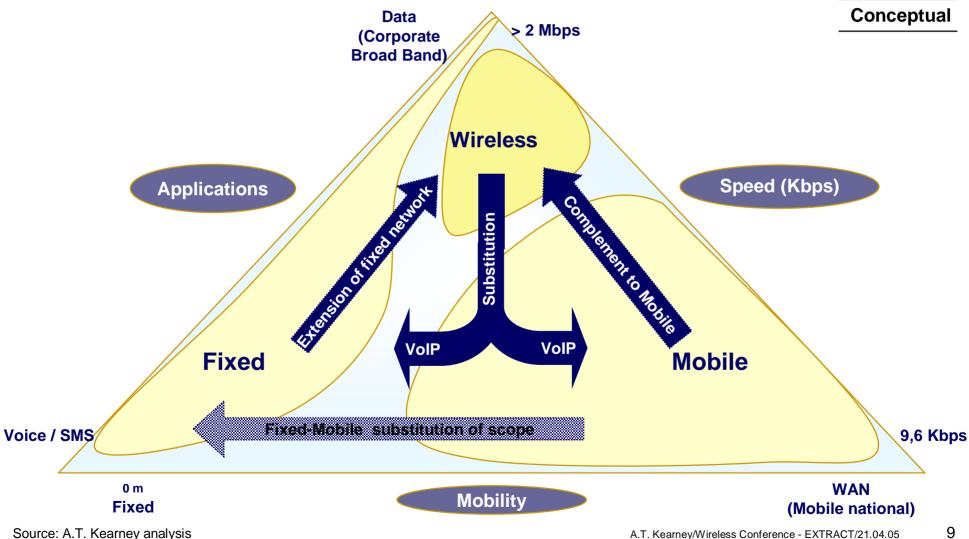
The Fixed broad-band access will be the success factor both in the Residential market enabling 3-play offers and on Business segments with voice-data integration



Wireless broad-band technologies occupy an intermediate mobility position between fixed and mobile, allowing more complex and faster applications



These new Wireless broad-band technologies contribute to the convergence between fixed/ mobile and data/voice through fixed network extension, VoIP substitution and as mobile complement

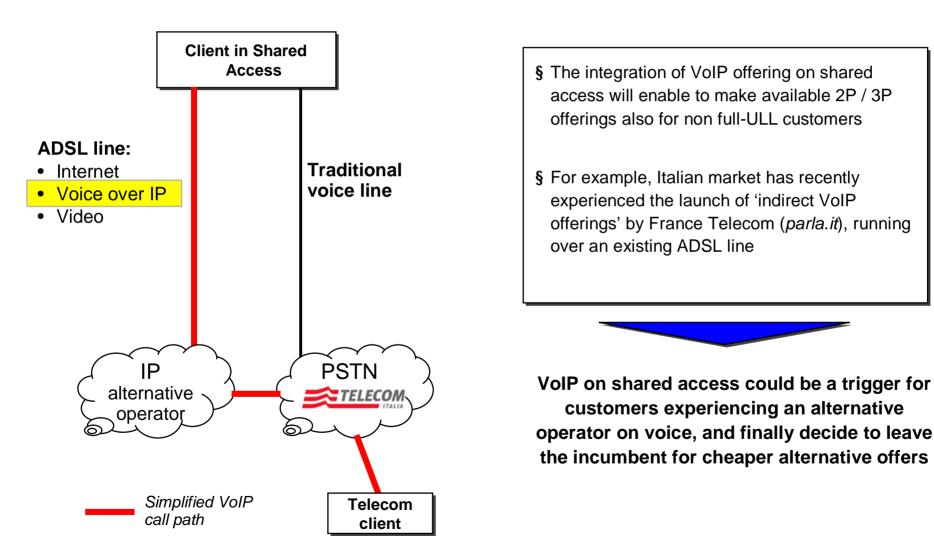


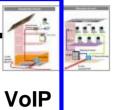
# Convergence at product/service level is becoming a reality, especially in corporate markets, as customers demand more integrated solutions

**Evolution Stage** 

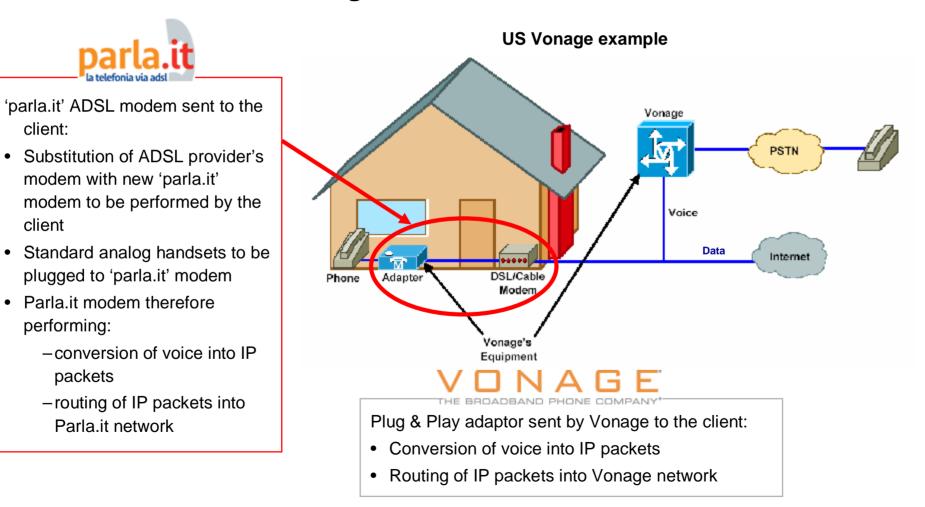
	Stage 1		Stage 2		Stage 3		Stage 4
	Emergence of Mobile Service	$\left  \right $	Fixed vs Mobile		Fixed/Mobile Cooperation	7[	Convergence Completion
Feature	<ul> <li>§ Strength in mobility</li> <li>§ Mostly voice services, no competition between fixed and mobile</li> <li>§ Leveraging mobility, mobile service begins to threaten fixed services</li> </ul>	ŝ	<ul> <li>As mobile service secured economies of scale, it begins to replace fixed service using low price</li> <li>Mobile enters data market</li> <li>Price and response to customer needs (competitive contents) in the Access market become critical</li> </ul>	§ § §	hybrid services started to emerge	ş	Blurred boundary between fixed and mobile Seamless (between communication and other industries) Access service - Convergence improves, competition in all industries
Importance of Convergence	<ul> <li>§ Convergence concept not developed yet</li> <li>§ Focus on competition in individual service area</li> </ul>	-	<ul> <li>No workable business</li> <li>model</li> <li>Convergence not attractive to customers</li> </ul>	ş ş	Means of differentiation Convergence replaces simple fixed/mobile coupled services	ş	<ul> <li>Basic requirement for competition (Qualifier)</li> <li>No convergence service offering, no M/S</li> </ul>
Main Service	§ No convergence services	Ę	Mobile-based services - Mobile VPN - Long Distance Calls	ş	Fixed/Mobile convergence service - Fixed Mobile VPN - One Mailbox - One Number - One Phone	ş	<ul> <li>Broadband convergence service</li> <li>Seamless broadband data service through "One" device</li> </ul>
KSF	§ Network competitiveness	Ę	Cost vs Service quality	§	Differentiated service toward customer needs	§	Customer base, partnership

The integration of VoIP offering, viable also for shared-access customers, will accelerate the growth of broad-band



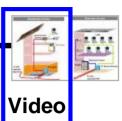


The VoIP over ADSL will open the competition on Voice: Italian market has recently experienced the launch of a VoIP offering by France Telecom (*parla.it*) running over an existing ADSL, similar to US Vonage



VolP

# Recent examples confirm that an appealing Video offer delivered on ADSL will sustain the increase of broadband market share...



#### FastWeb example

#### FastWeb TV

- Unified interface for content in all formats: thanks to:
  - Terrestrial broadcast: RAI, Mediaset, ...
  - Satellite broadcast : BBC, Bloomberg, ...
  - Pay-TV/Pay-per-View: SKY
  - Video-on-Demand
- Integrated with Network PVR (VideoREC) and Electronic Program Guide
- Live football matches



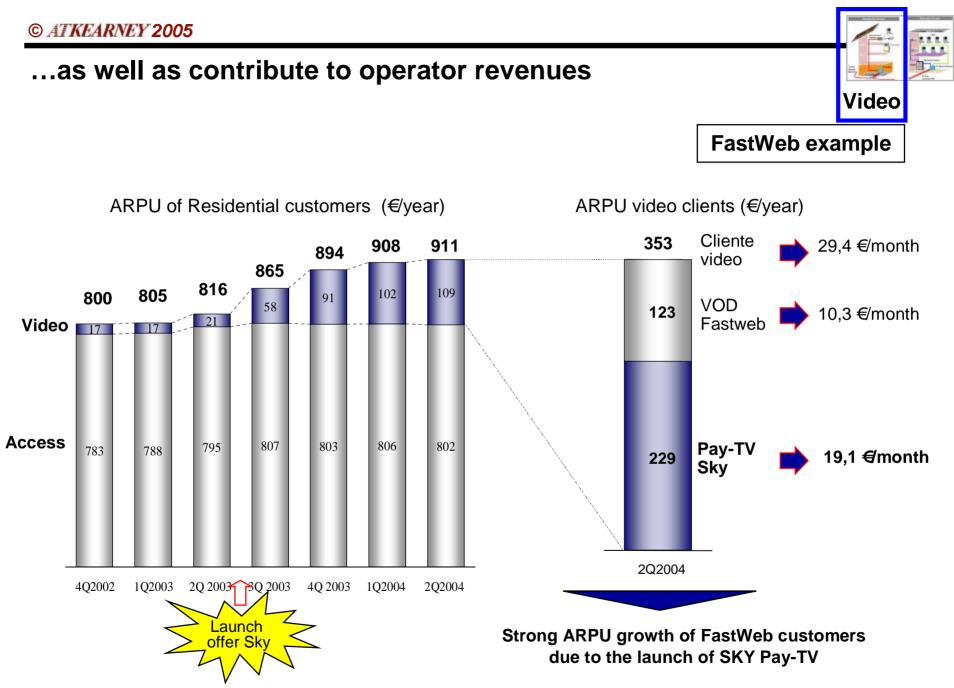


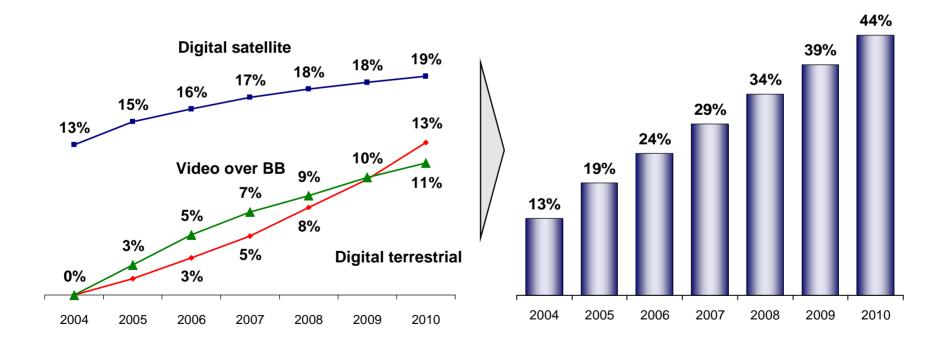
#### Video-on-Demand offer

- Over 4,500 titles
- First VoD licensing agreements in Italy with US major film studios:
  - 20th Century Fox
  - Universal Studios
  - DreamWorks

#### Strategy on Video services:

- n Video as an appealing integration of Voice+Internet offer
- n Contents re-selling, no production
- n Cost-plus pricing, keeping low margins not to dissuade customer





### Digital video services penetration on HH (%)

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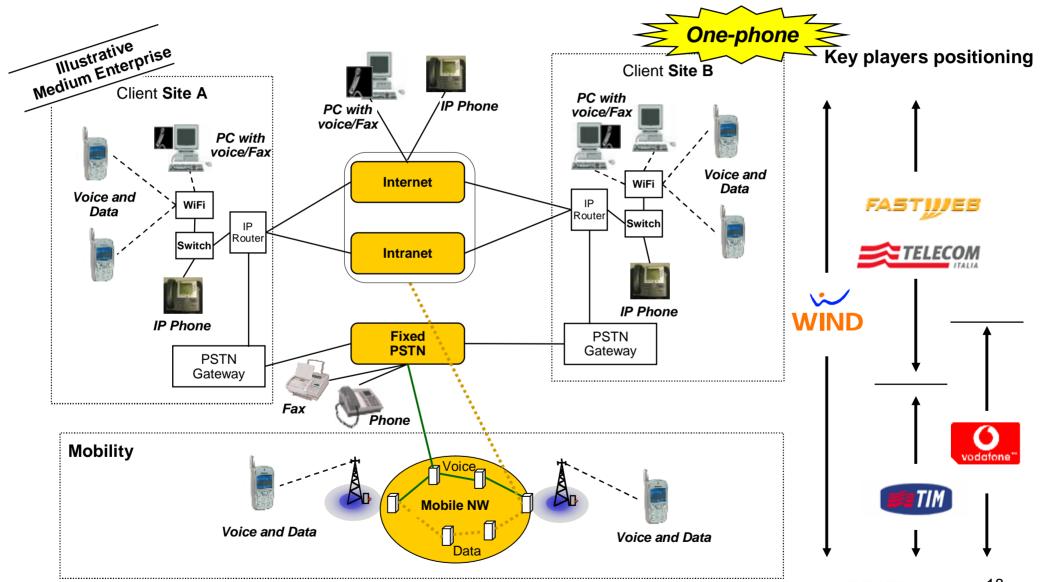
Split by access-platform

The penetration of digital video services will grow, 1 out of 5 households will access video services over broad-band

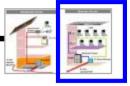
Video

**Total Penetration** 

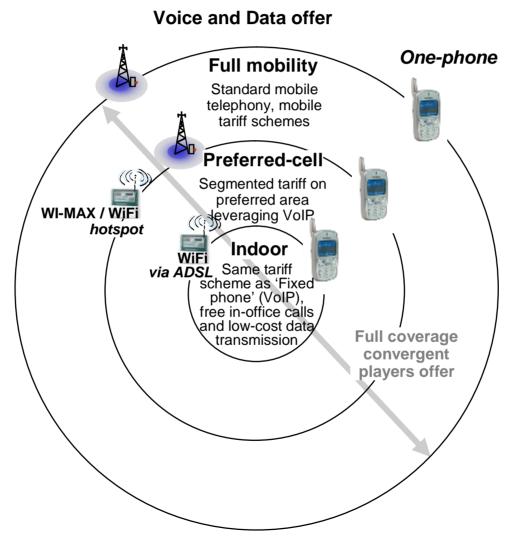
Key players different positioning on capability to deliver integrated Voice and Internet offering both in mobility and in-office



1.1.1



# Convergent operators can instead leverage on distinctive value proposition through innovative convergence technology on services / handsets



# Conclusions

- n Broadband growth pace will be maintained: Italy will not lag behind
- n The access market pie will remain a game for few players
- Market complexity is increasing and boundaries are blurring: broadband access as the integrating platform for other innovative service layers
- n Triple-play offers are paving the way for 4P propositions, the next frontier
- In the convergent arena, broadband players will have to play a role, not necessarily the leading one