

Challenges in a Networked World



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Price per Megabit of DRAM (Euros)

1973	75,000
1977	5,000
1981	400
1984	130
1987	20
1990	7
1995	3
2001	0.08
2005	0.03
2017	0.01

private, corporate or public sources
 ing and indexing are key issues
 ivalent in size to the information
 ries the size of the Library of Congress
 llections

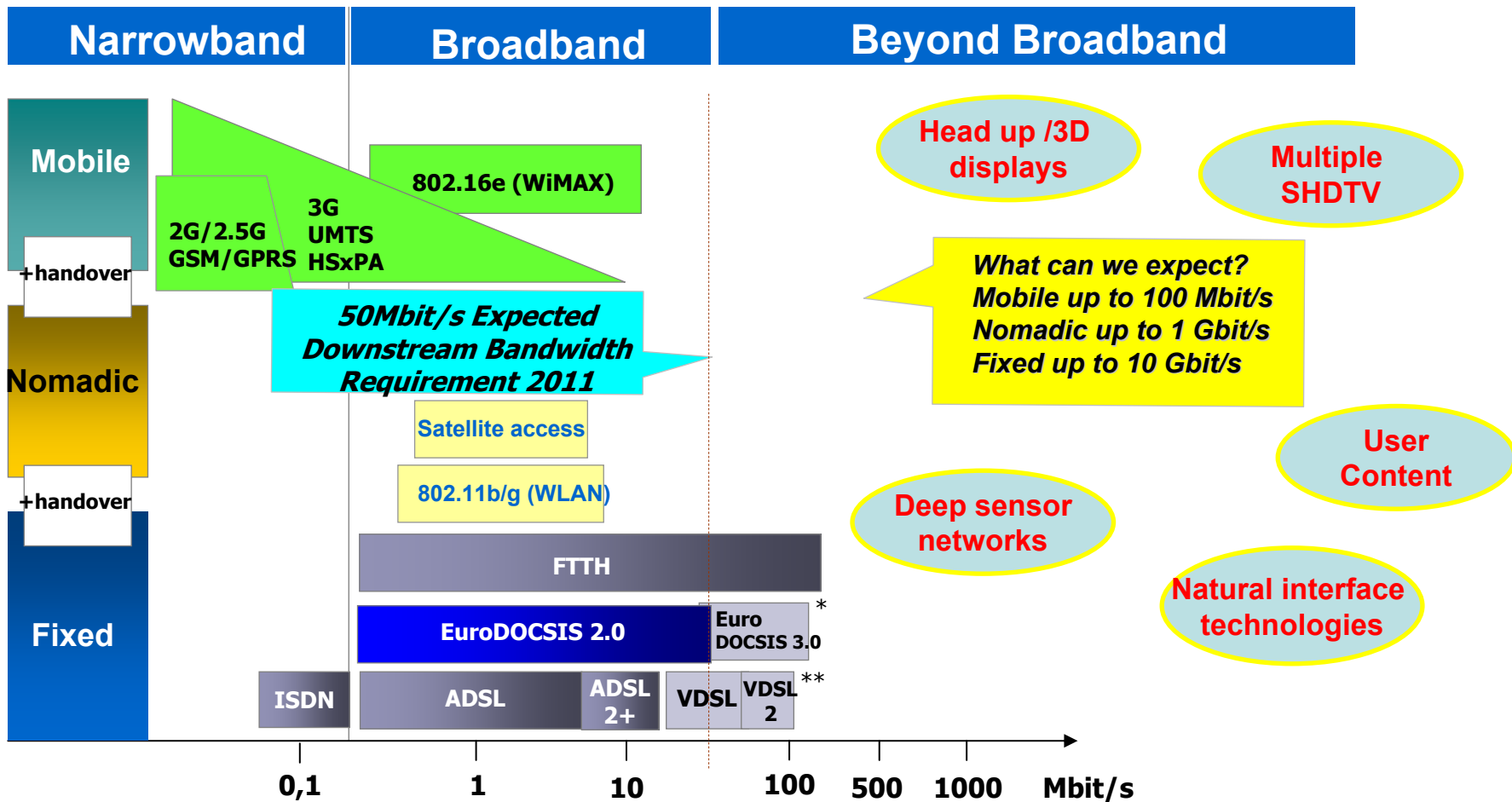
Google storage capacity, spread over 450000 servers, is estimated to be of the order of 200 Petabytes, handling 100 Million queries a day with a total throughput of 3 petabits per second

51	81	29	28%
81	3,212,731	2,132,238	69%

Migrating to digital media

The Large Hadron Collider (CERN) will produce 5 petabytes/year

Broadband Access



*) future EuroDOCSIS 3.0: max 200Mbit/s downstream, 100Mbit/s upstream;

***) future VDSL2: max 100Mbit/s downstream and 100Mbit/s upstream;

User Generated Content Egocasting developments

Weblogs Cumulative: March 2003 - July 2006

