

From MIDs to Base Stations – Where Mobility Infrastructure Meets Innovation

Moderator: Arthur Reidel, Chief Executive Officer, Scintera Networks, Inc.



Panelists:

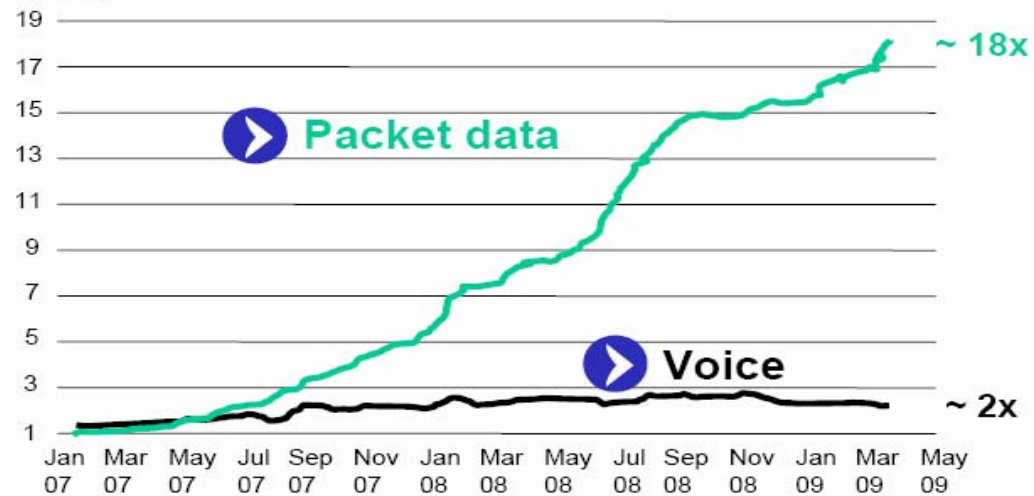
- Behrooz Abdi, Executive Vice President & General Manager, NetLogic Microsystems, Inc.
- John Bruggeman, Senior Vice President & Chief Marketing Officer, Cadence Design Systems, Inc.
- Don Faria, Senior Vice President of Worldwide Application Business Units, Altera Corporation
- Jack Harding, Chairman, President & Chief Executive Officer, eSilicon Corporation
- Nigel Toon, Chief Executive Officer, PicoChip Designs Limited



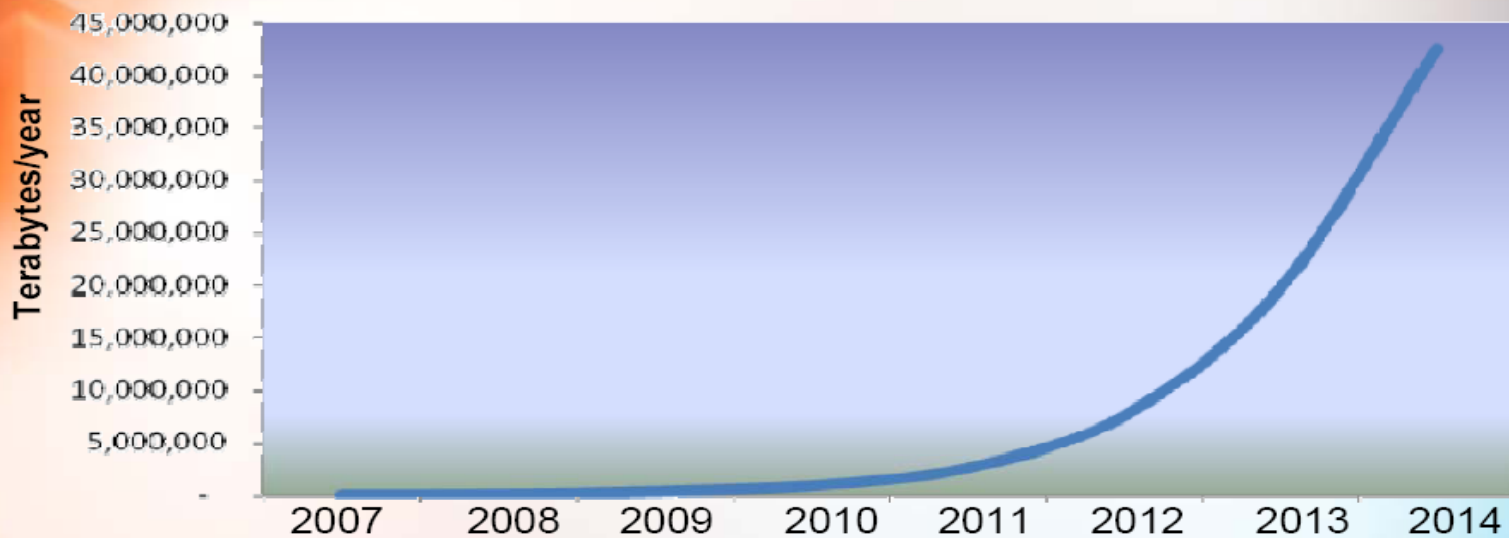
The Rise and Rise of Data

UMTS-HSPA Voice and Data Traffic

Relative Network Load



US Mobile Data Traffic Growth 2007-2014

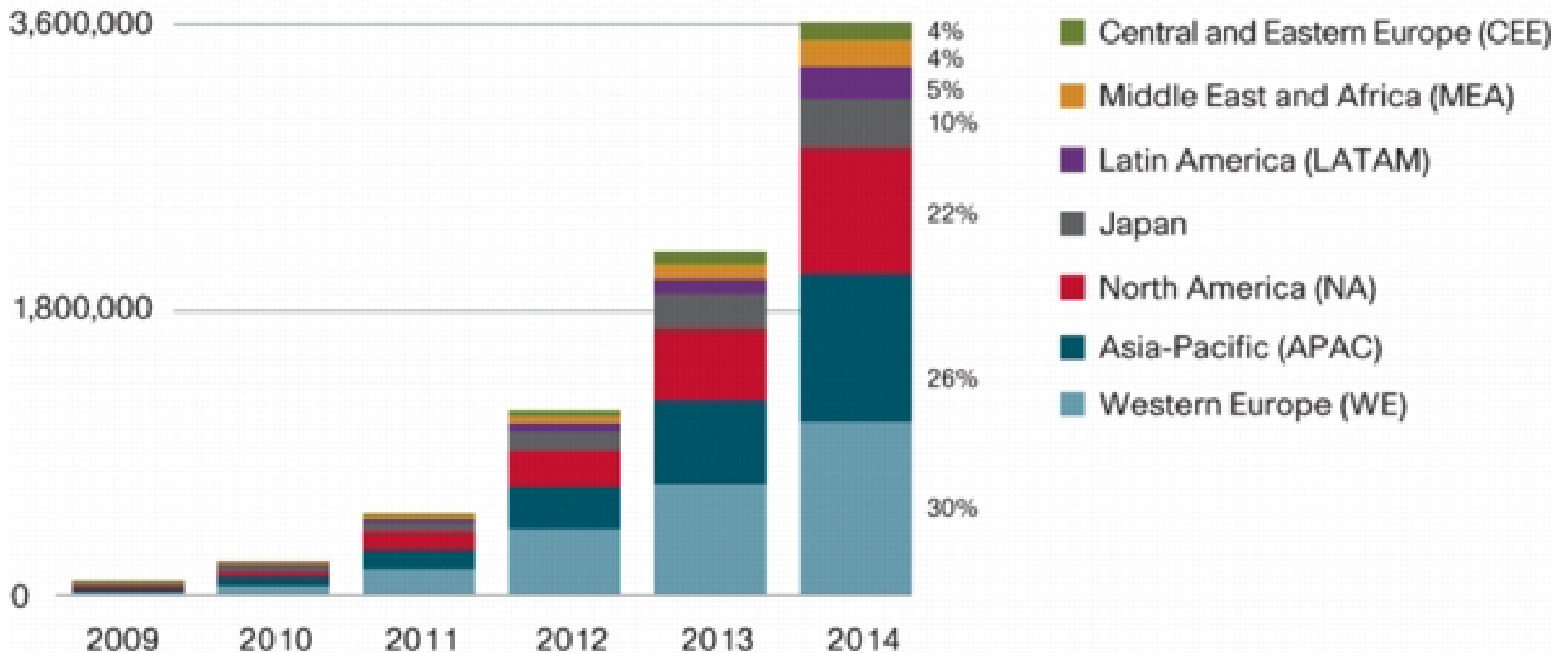


Source: Chetan Sharma Consulting, July 2009



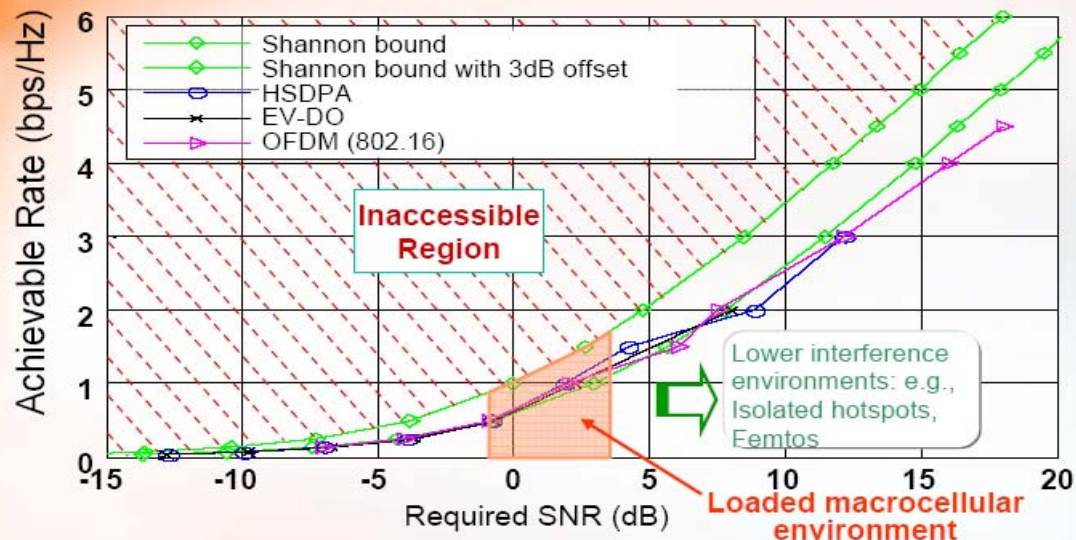
www.3gamericas.org

TB per Month



Source: Cisco VNI Mobile, 2010

Spectral Efficiency for Advanced Wireless Technologies



- Wireless link capacities closely approach the fundamental Shannon limit
- No simple “low-hanging fruit” for future spectral efficiency gains
- Future spectral efficiency improvements will focus on interference-reducing techniques, e.g., coordination between base stations.

Link performance of 3G and 4G/OFDM technologies are similar.
All approach the Shannon boundary.

Capital expenditure as a percentage of service revenue

