

WORKSHOP ENDING SUMMARY

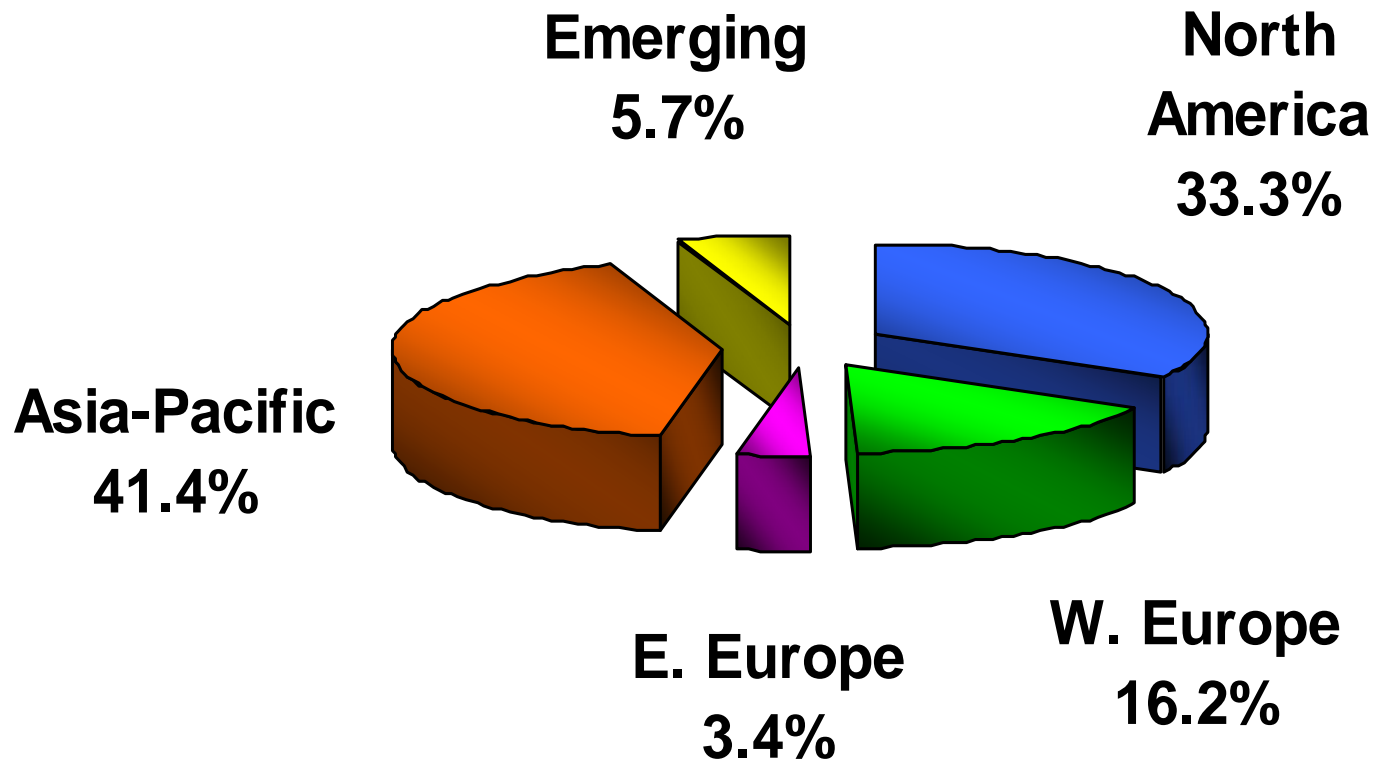
Sergio Barcelos, PhD
sbarcelos@fiberwork.net



SIZE OF THE WORLD FIBER PLANT, 2005 Data

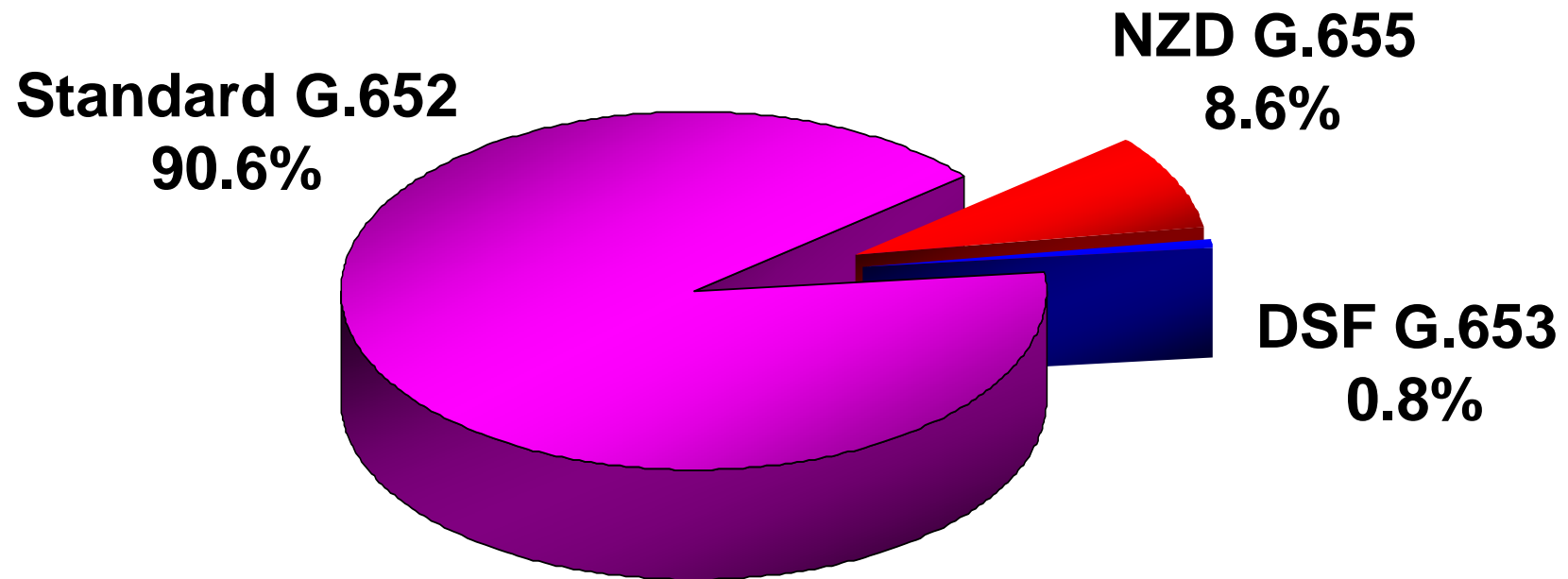
2005 ⇒ **664 millions of Fiber-Km**

Today ⇒ **Surpassing 740 millions of Fiber-Km**



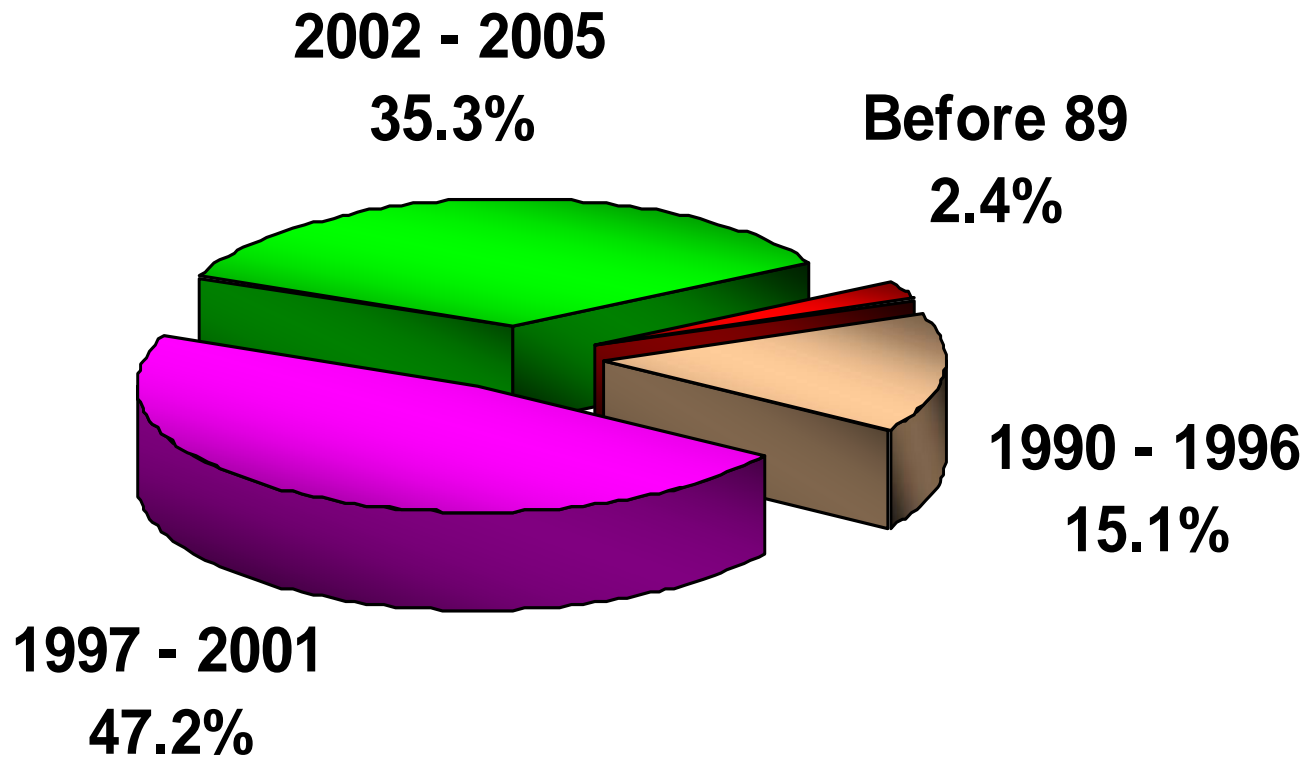
Source: **KMI Research**, **CRU Group**, <http://www.crugroup.com>

WORLD FIBER PLANT *BY FIBER TYPE*



Source: KMI Research, CRU Group, <http://www.crugroup.com>

WORLD FIBER PLANT *BY INSTALLATION AGE*



Source: KMI Research, CRU Group, <http://www.crugroup.com>

World Installed Fiber Base

⇒ 740 millions of Fiber-Km

⇒ **Very Large**

⇒ **New major long distance fiber constructions not expected soon**

⇒ **40Gb/s DWDM transmission must tolerate PMD as currently seen in the field !**

Workshop Results

- Sharing of experiences from different countries
- **Samples of PMD status from different regions of the world**
- Clarified PMD levels of the world's installed fiber plant
- **Global perspective of PMD**
- An issue with old and boom-era fibers !
- **Discussed market impacts of PMD**
- Allows evaluation of 40Gb/s potential market penetration
- ***GLOBAL REPORT TO BE PUBLISHED SOON !***

<http://www.fiberwork.net/ofc.asp>

Acknowledgements

Claudio Lima, PhD
Distinguished MTS
Sprint Technology Laboratories

Paul Williams, PhD
Optoelectronics Division
National Institute of Standards and Technology – NIST

Richard Mack, MS
Director of Research
KMI Research, CRU Group

***PANEL DISCUSSION
&
AUDIENCE PARTICIPATION***

<http://www.fiberwork.net/ofc.asp>