

# Towards a High Bandwidth low carbon future

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# Why I am here

- To give you our view of the issues from London
- To tell you why high bandwidth is critical (you know)
- What we do not need from ITU (or anyone else)
- The Real Issues

# Where it all began

- Plenipotentiary Conference, ITU, Kyoto 1994;

“..that telecommunication and information technologies respect the environment;

- World Telecommunications Development Conference; Istanbul, 2002

“that special awareness be created...so that policy makers gain a better understanding of telecommunications and the environment...

- Geneva 1<sup>st</sup> April, 2008, ITU, Dr Toure

2...it is estimated that ICTs contribute 2-2.5% of global greenhouse gas emissions;

## But is it all talking....

- No real; as we have heard;
- 3% gap could be crucial;
- But worried about broadcasting
- In addition “service” economies (OECD) 7-8 less energy intensive than industry;
- Will be unless action is taken;
- Has to be taken on global level; thus importance of ITU/UN
- But what about Europe?

# European Union

- European Union working on number of fronts;
- EU product directive; looks at energy consumption on particular products:
  - Water heaters, personal computers; and monitors;
  - Imaging equipment (copiers); consumer electronics;
  - Office and street lighting domestic water heaters;
  - Dishwashers; battery chargers;
- Forthcoming Communication on “ICT and Energy Efficiency”

# Now to High Bandwidth Economy

- Why it is so important; would be anyway;
- Profound affect on economy
- Recognise “Rebound Effect”
- Could effect that 2%; though if we use fibre;
- And spectrum rather than wires?
- More than teleworking;
- Issue for public sector as well
- So if such a good thing..... not simple
- Has significant lifestyle implications
- But first we have to get there;

# What would be a mistake

- Regulation that constrains the roll out of Next Generation Networks;
- It is competition that spurs investment
- Concern here for US regulatory policy constraining growth;
- Real test will be China and India
- ITU Regulation in this area;

# But the real issues are still there

- We must be more than the ICT Sector; thus feed-through to G8 important;
- Whether we are 2% or 4% we still have a voice;
- We must get our act together; let us be flotilla heading in the same direction;
- Important questions ahead that we may make possible (lifestyle choices)
- Are we ready for difficult decisions:
- “We can make it possible; but others must decide” .....(Al Gore)



# Questions and Discussion

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