Green Internet for
The Other Billions

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Internet Population in 2009

- Internet Users(First Billions):
                        ~ 1.5 Billions
- Non-Internet Users(The Other Billions):
                        ~ 5 Billions

Internet Population in 2020(Estimate)

- Internet Users: 3~5 Billions

- Non-Internet Users: 3~4 Billions

Remark:

Internet Users will double or triple in ten years(2010~2020).

How do we harmonize the increase and green Internet?

Ground Rules

- Have as many Internet users as possible.

- Learn from the front runners, i.e., First Billions.

Issue - Electric Power

- Electricity Generation Quality

  * Avoid backup generators wherever/ whenever possible.

  * Try to use alternative electric power as appropriate.

- Electricity Quality

  * Try to have stable voltage, cycle,...

  * Minimize down time.

Issue - Battery

- Need to develop appropriate batteries for The Other Billions.

- Need to consider environmentally friendly battery including recycling.

Future Internet Technology for The Other Billions

- Need to develop the Internet technologies for emerging economies.

Reference

- Eric Brewer   Intel Berkeley Labratory Message,

  2007.
- Kilnam Chon   Future Internet Technology for The Other Billions, 2008.
- Mahatir Pun   Nepal Wireless Network Project, 2009