5 Billion Internet Users by 2020

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1. Global Internet Users

2000	0.4 Billion
2005	1 Billion
2010	2 Billions
2020	5 Billions

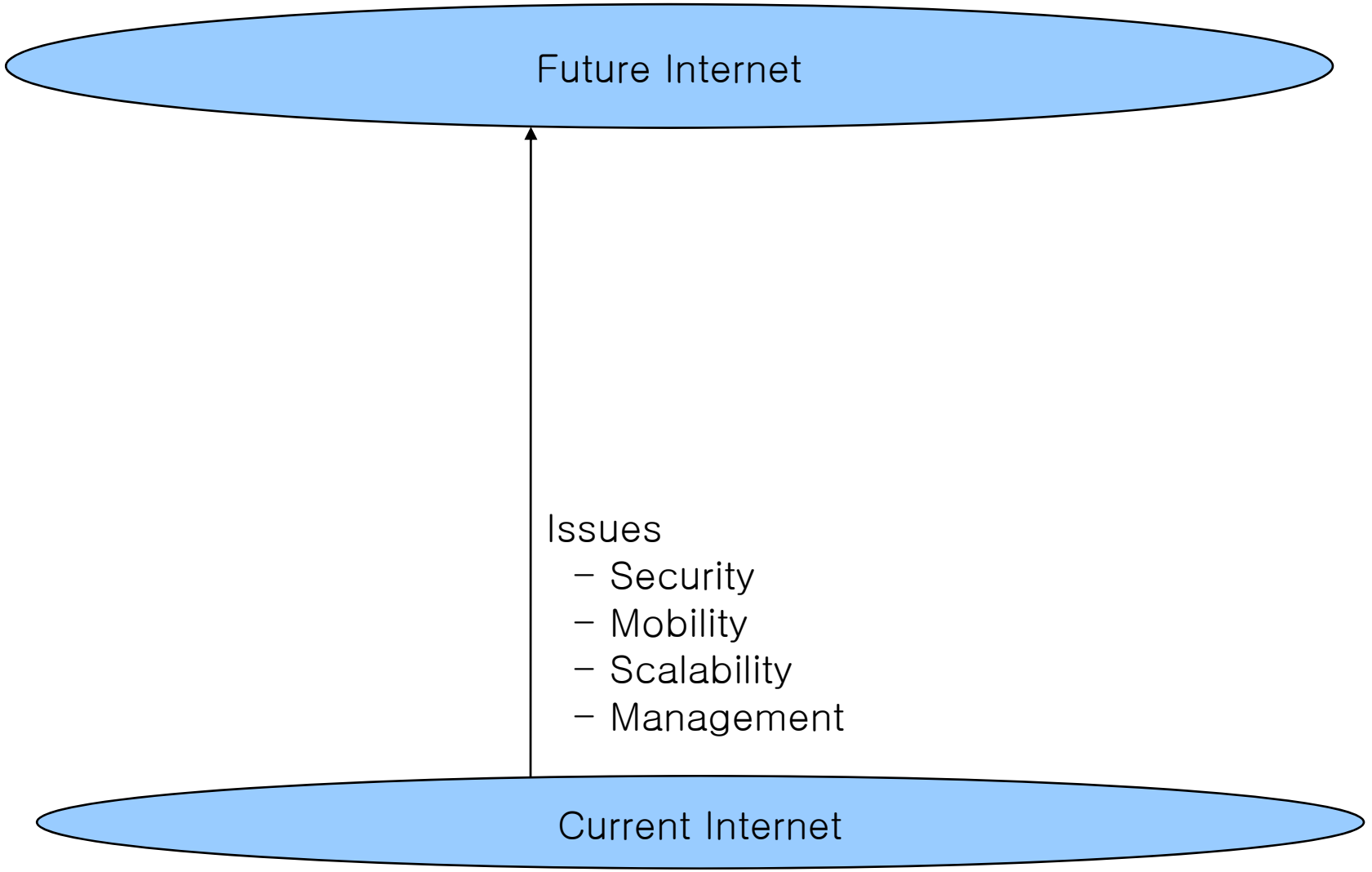
2. Future Internet Research

- Future Internet research is for the First Billions of primarily developed countries.

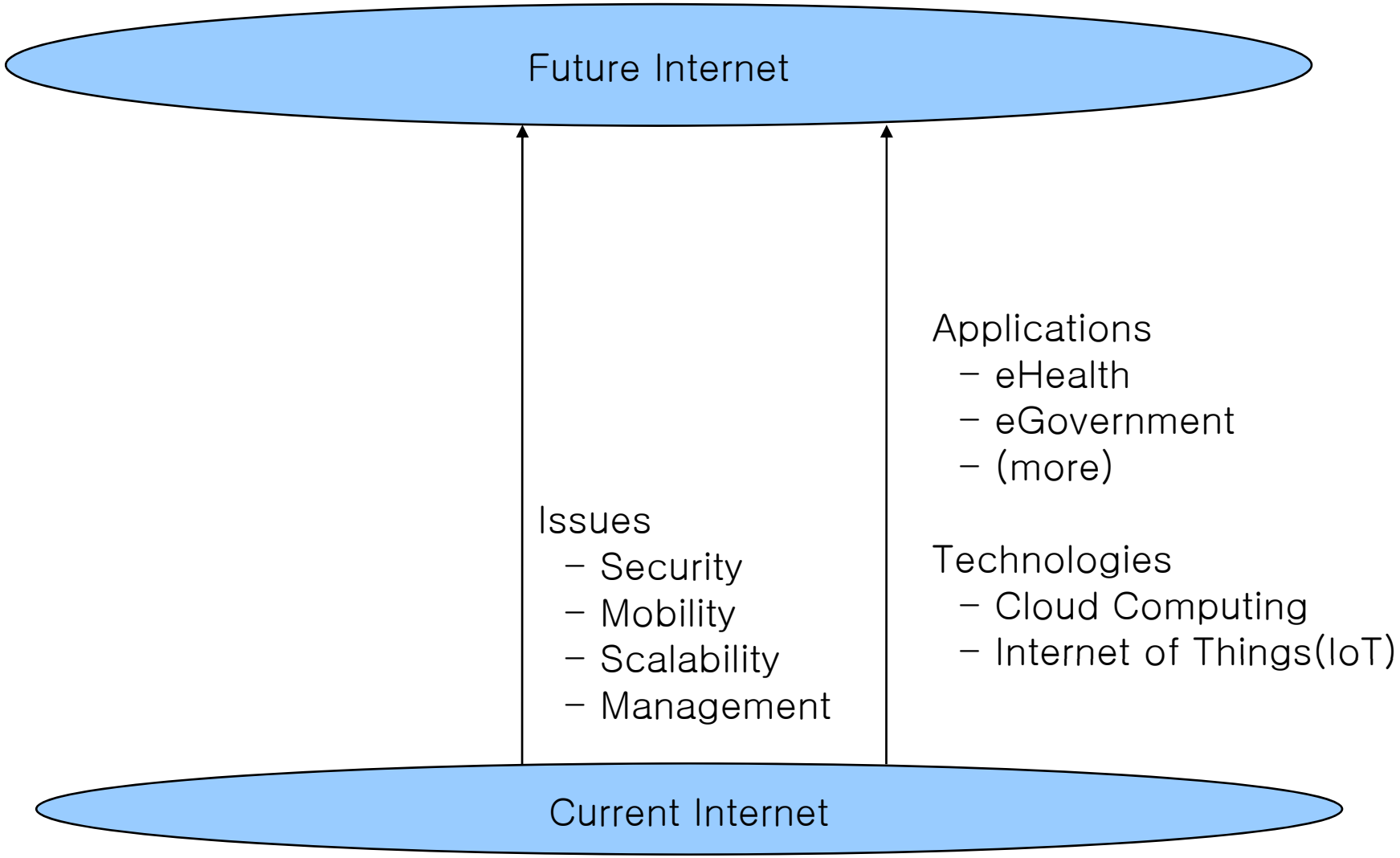
- Do we need The Other Billions(today's non-Internet users) into consideration when we carry on the Future

  Internet research?

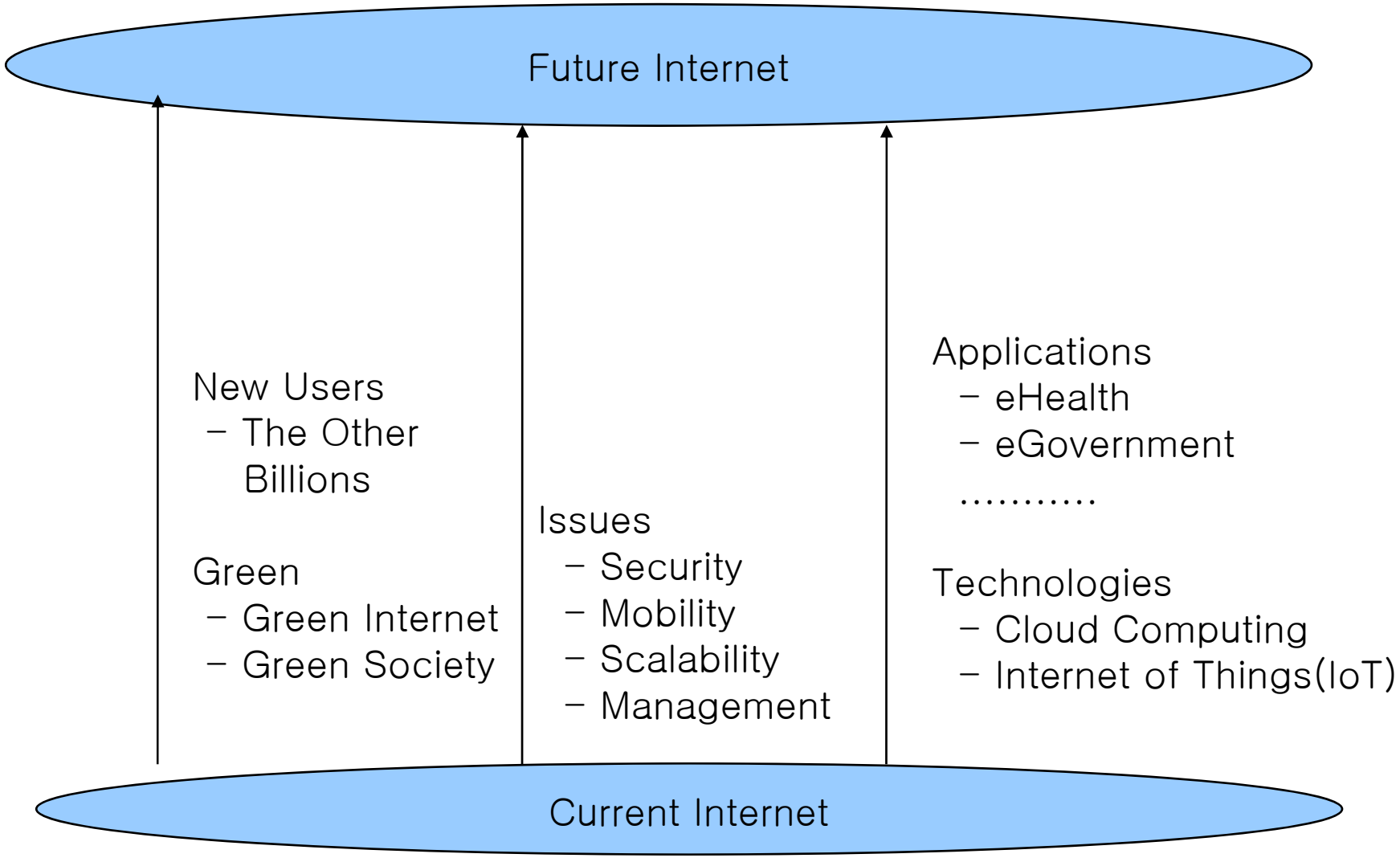
2.1 Future Internet Research



2.2 Future Internet Research(addition)



2.3 Future Internet Research(addition)



3.Future Internet Harmonization

- Future Internet needs to be harmonized to all people

  in the world(First Billions and The Other Billions).

- Future Internet needs to be harmonized to the global

  environment.

4. Negative Aspects of the Internet

- Future Internet research needs to address negative aspects of the Internet such as

  - Privacy
  - Digital Divide
  - Cyber Terrorism and Cyber Warfare

5. The Other Billions - Weakness

The Other Billions have the following constrains in may cases;

- weak infrastructure
- weak economy
- weak human resource

6. The Other Billions - Chance

The Other Billions have the late-comer(late-follower)

Advantage, too(like being behind of the leader in the bicycle

race).

Examples are

- IPv4 vs IPv6; no buildup on IPv4
- Access Device; smart phone to start

7. Goal

Sustainable Internet(or Humane Internet) for 21st Century

Reference

Kilnam Chon, The Other Billions, 2008~2011.

Kilnam Chon, Toward Sustainable Internet,
ConTech 2011, 2011.11.3