Sustainable Information Technology
for
Global Sustainability

Authors:
    Gunnar Misund, Associate Professor
    Jan Høiberg, Associate Professor

Presented by:
    Knut-Erik Johnsen, M. Sc. Student

Østfold University College,
Faculty of Computer Science,
Halden, Norway

Outline

- Sustainable Information Technology

- Project OneMap

- Demo

- Final Remarks

Sustainable Information Technology

- Information technology, such as digital maps and geographic information systems, are potentially important tools in global sustainability efforts

- However, it is of vital importance that the information technology is *sustainable* in itself, i.e. that it is able to survive the rapid shifts in the information techology community

The Domesday Project

- Bla bla: Example of consequences of using non sustainable information techology

- Both sustainable and not (old text / new video)

10 criteria (1)

1. Longevity
   - …explain briefly…
2. Demand
   - …explain briefly…
3. Simplicity
   - …explain briefly…
4. Quality
   - …explain briefly…
5. Accessibility
   - …explain briefly…

10 criteria (2)

1. **Responsiveness**
   - …explain briefly…
2. **Adaptivity**
   - …explain briefly…
3. **Scalability**
   - …explain briefly…
4. **Robustness**
   - …explain briefly…
5. **Stability**
   - …explain briefly…

Project Onemap (1)

- Main goals…what is it

Project Onemap (2)

- Gateway
  - …briefly…
- Repository
  - …briefly…
- Clearinghouse
  - …briefly…

OneMap Sustainability

- Following the characteristics proposed
  - Demand: GPS, LBS ….
  - Open formats / standards (not propria.fsjgojgoisajgp)
  - In particular GML (example, next slide)

XML AND GML

- Examples, OGC

Demo

http://www.onemap.org

Final Remarks

- Project OneMap offers services that may support global sustainability

- The project is designed and implemented with technological sustainability in mind

- OneMap is in its infacy, klipp fra artikkel

Would you like to participate in Project OneMap?

http://www.onemap.org

OPEN CONTENT – OPEN FORMATS

OPEN SOURCE – OPEN MANAGEMENT