MOSS8

Medical Open Source Software seminar 8

Brief history of MOSS

- MOSS1 Kokura, April 2003
- MOSS2 Tokyo, Fall 2003
- MOSS3 Kobe, Spring 2004
- MOSS4 Tokyo, Fall 2004
- MOSS5 Fukuoka, Spring 2005
- MOSS6 Tokyo, Fall 2005
- MOSS7 Nagoya, Fall 2006
- MOSS8 Tokyo, Fall 2009

Our concern

- What are you doing?
  - Not what you did
- What are you need?
  - Why do you want to implement?
- How can it be realized?
  - Technology, TIPs, codes.
- Can we share your experience?
  - Effort,

What can I do for you?

Open Source Software

- Free distribution
- Community based development
  - Personal use
  - Nation wide
  - Worldwide, international
- Experimental field
  - New idea and development
- Curiosity for technology drives!

Medical open source software

- Proprietary
  - High cost
  - Oligopoly
  - Only paper standard
  - No evaluation
  - Small market

- OSS
  - Low cost
  - Bazaar
  - Technical standard
  - Source code review
  - Wide market

Diversity is power

The openEHR project

- History
  - 1990 GEHR project (UCL and EC)
  - 1999 The openEHR foundation
- Activity
  - Standardised model for healthcare
    - ISO/CEN 13606
  - CRB; Clinical Review Board
  - ARB; Architectural Review Board

Electronic Health Record

- Interoperability
  - Re-use of data
  - Universal format/granularity of data
  - Internationality of data
- Quality of care
  - Evaluation of data
- Future proof
  - Robustness of data

I18N

- M18N
  - Language translation
- Culture, habit, nature
  - Currency, number
- Localization
  - Multiple localization = I18N?
  - How to maintain local activity

Ubuntu Japanese Team

- Japalization of Ubuntu(*.jp work)
  - Translation of packages
  - Japanese environments
    - Font, IM, Mailer, Browser
- Promotion
  - CD/DVD release
  - Book, magazine

Data conversion

- EMR data
  - Unformatted
  - Not well documented
  - Not reusable
- Vender-lock in
  - Data lock-in
  - Salvage of the data

Agenda

- Opening speech

- Ubuntu Japanese Team

- The openEHR project

- An implementation exercise of EMR by RoR

- Application of openEHR system to Tuberculosis program in Cambodian public health sector

- openEHR as a new approach to electronic health record system in Cambodia maternity care program

- Ruby implementation of ADL parser

- Data conversion of EMR using open source software