

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
- Vendor-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