



# Roles and responsibilities of Education and Training in applying and developing FOSS in Vietnam Experiences of IFI

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# Outline



- FOSS position in Vietnam 2000-2007
- Current FOSS applying in schools
- Roles of Education & Training in FOSS
- Why FOSS rarely/not use in schools?
- Experiences of using FOSS in Edu & Training of IFI
- Conclusion



# FOSS in Vietnam 2000-2007



- 1<sup>st</sup> National Conference of applying and developing FOSS: 12/2000
  - National Conference 2002, 2004, 2006
- Results after 7 years:
  - Little bit improving awareness of the society
  - Formation of Vietnamese FOSS community
    - VnLUG, HanoiLUG, VnOSS, ...
    - FOSS competition in IT Olympic since 2005
    - The campaign of supporting OpenOffice and ODF
  - Ruling party, Hochiminhcity chose OpenOffice

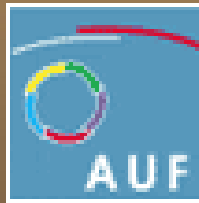


# FOSS in Vietnam 2000-2007 (2)

- Results after 7 years:
  - Some companies doing FOSS app/services:
    - Nhất Vinh, VietSoftware, iNetSolution, Softech, ...
  - OpenLab supported by Intel in Hochiminh city
- However, position and roles of FOSS is still under expected
- **Roles and responsibilities of Education and Training system in raising awareness, promoting of FOSS using and development?**



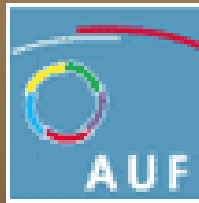
# FOSS with schools



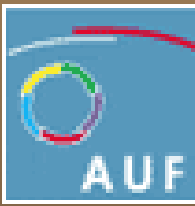
- Universities
  - Some servers running Linux
    - Most of management applicaiton, databases running in Windows
  - Some lab having dual-boot Linux/Win
    - Lack of skills in using and administering Linux
      - Most IT trainers rarely/don't use Linux
    - Very few have course «Unix/Linux for beginners»
      - Almost all students know how to use Windows only
  - Some having FOSS club for students
    - Hanoi and Hochiminh National universities
      - Technical schools in Hochiminh city are more interested in FOSS



# FOSS with schools (2)



- High schools
  - No Linux and FOSS
  - Main course of IT has only guides to use Windows OS and softwares
  - Trainers rarely/don't know about Linux and its advantages
  - Not applying although there're many good FOSS applications for education
    - Lacking of research, promotion and development agency for schools

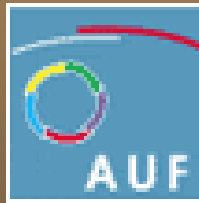


# Roles of Education & Training

- With this current situation, raising awareness, promoting FOSS will be slow
  - FOSS is the good environment for promoting the creativeness and independence, adaptation of students
  - Universities in developed countries are all interested in and supporting FOSS



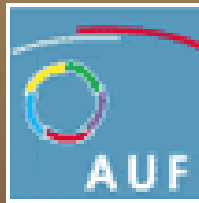
# Reason ?



- objective
  - History
  - Widely use pirated software and illegal copy
  - Promotion of vendors for education sector
    - « Habit-forming » policy
- subjective
  - Awareness from trainers to the leaders about FOSS, conservative behavior,
  - Lacking of policy, support and regulations for FOSS



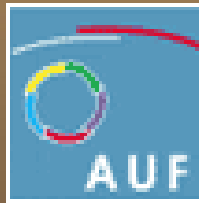
# Objective reason



- Awareness
  - Misunderstanding between « freedom » and « free »
    - To give high prominence in « free », only focus in the easiness, forget the long-term dependence
      - IT Centre of Ministry of Education and Training (MoET) doesn't take significant role in promoting FOSS
  - Opinion«standing beyond the giant shoulders»
    - Overconfident, naive in seeing «giant»
    - Pragmatic; lack of skills, confidence and braveness
- Policy, regulations
  - IT experts of MoET: slow and not-up-to-date



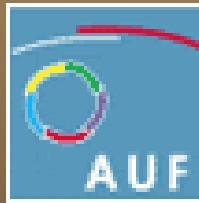
# IFI



- **IFI = Institut de la Francophonie pour l'Informatique**
  - Training IT Masters (in French language)
  - Project of Agence universitaire de la francophonie (AUF) with Vietnamese government
    - Since 1993
    - 11 courses ~300 Masters, 1/3 following PhD oversea or co-teaching IFI-oversea
- **IFI chose FOSS from the beginning**
  - Common policy of AUF
  - The unique Training agency in Vietnam having Linux and FOSS for teaching and learning



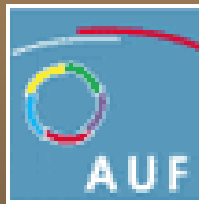
# FOSS experiences of IFI



- Committed policy, consistency
  - Regulation of no using the pirated software
  - All computers in labs running Linux
  - All testing and thesis, ... done with FOSS tools
  - Reports, presentation using ODF and OpenOffice
  - Trainers take lead
- Support for students
  - Mandatory subject «Unix/Linux for beginners» in the first week
  - Forum « Bain Unix » for experiences exchange
  - Trainers, admins ready to support students



# Support by AUF



- Support by the upper level (AUF): very important
- AUF has clear policy about FOSS
  - All servers running Linux
    - Workstation migrating to Ubuntu
  - From Jan 08, all will use only OpenOffice
    - Migration step by step since 2006
    - Internal documentation exchange using only open format
- Linux Center and Free Software for development (C3LD)
  - Promote, training and develop FOSS
  - C3LD Vietnam(2004): HUT, IFI, Cantho Uni, HCMC Science Uni, National Uni, CNF HN, CNF HCM



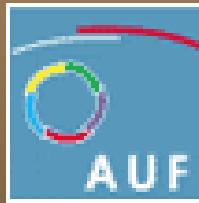
# Conclusion



- Education and Training system has key role in promoting and developing FOSS in Vietnam
- Need to improve the awareness about FOSS for the trainers in the whole system, from high schools to universities
  - Capacity building of knowledges and skills about Linux and FOSS for IT trainers
- MoET should have policy of using FOSS in E&T system, regulations to promote FOSS
- Experiences of IFI-AUF could be shared for everywhere



# Thank you!



Thank you for your attention