

# (R)Establishment of ASEAN Open Source Software Portal

**Nguyen Hong Quang & Nguyen Ngoc Binh**  
*International Francophone Institute*  
*VNU-IFI*



***Asian IVO Forum 2015***  
***26 november 2015***



# Outlines

- AOSS Portal History
- Current AOSS Portal Issues
- Proposition for new AOSS Portal
- Perspective

# Asian OSS Portal History

- ASEAN Open Source Software (AOSS) Resource Portal (<http://central.asean-ossportal.org/>)
  - Initiative endorsed by ASEAN Subcommittee on Microelectronic and Information Technology (SCMIT) and ASEAN Committee on Science and Technology (COST) since 2011
  - developed, maintained and administered by NECTEC (Thailand) for first 3 years
  - all Asian countries participate to the project
    - Kick-off (2012) and 3 Working Committee Meetings (2012, 2014, 2015)



# Background & Problem statements (2012)

- **Background**

- Rapid growth of Open Source software usage
- ASEAN country have shared the common mission of increasing the Open Source software awareness
- Each countries has expertise in their own area of application/case/solution
- Almost existing information are distributed on local languages

- **Problem statements**

- Lack of Open Source related materials/information/success case and expertise in each individual countries
- Each county have a limit number of experts
- Difficult to access and learn from neighbor countries cause of a language barriers
- Cannot learn from success or failure from neighbor countries

# Solution and Objectives (2012)

- **Solution**

- Provide a single web portal to share/exchange information related to Open Source software
- Invite all ASEAN members to join this network
- Each member assign the right organization to join this Project, and allocate budget to develop/share their own information
- Open for user/developer/policy maker to access this information

- **Objectives**

- To share existing information and experience from all ASEAN members in English. Open source information related to :
  - Software products
  - Solutions providers (Business companies/Organization)
  - Materials (Curriculum/Certification/Presentation)
  - Lesson learned (Policy guideline/Success stories/Pilot projects)
  - Experts
  - Usage statistics/ References client
- Improve awareness and reduce a learning curve for OSS adoption among ASEAN members

ASEAN OSS Portal ::

central.asean-ossportal.org

Applications Getting Started Mandriva Cours Xem lịch sử Bookmarks Importés depuis Firel Autres favoris

ASEAN OSS PORTAL

HOME HUMAN RESOURCES MARKET PLACE HUMAN DEVELOPMENT LEARNING RESOURCES ABOUT US

## ASEAN Open Source Software Resource Portal

Open source software has been continually and increasingly used in many countries including ASEAN countries. One important factor for growth of the open source software communities is the “share” of knowledges and experiences. To effectively develop the open source software, it is necessary to share not only the software and source code but also information and techniques of the open source software development and usage. Each country in ASEAN has different information and experiences that will be useful for other ASEAN countries. However, the information shared by each country in published only in its own language and is aimed for its local usage within its own country.

**News** [view all](#)

- LibThai 0.1.23 Released  
posted 20-Nov-2015 14:42:02
- libdatrie 0.2.10 Released  
posted 20-Nov-2015 14:41:47
- thaixfonts 1.2.7 Released  
posted 10-Aug-2015 18:09:22
- IBus-LibThai 0.1.2 Released  
posted 16-Jul-2015 16:14:19

**Event** [view all](#)

- A seminar on Creative Commons Singapore  
posted 19-May-2015 10:51:33
- The 2015 International Conference on Computer, Control, Informatics and its Applications (IC3INA 2015)

NECTEC  
The 3rd Working Committee Meeting on  
The Establishment of ASEAN Open Source Software Resource Portal Project  
On 9-10 April 2015  
At The Grand Ballroom

# Current AOSS Portal Issues

- **Very good idea but isn't used in practice**
  - Only ½ members post OSS news on the portal
    - Even lesser after the 1st phase closing
  - Objectives not achieved!
- **Issues**
  - lack of facilities allowing the communities to post their new resources on the portal or to exchange ideas or to collaborate on open source projects
  - lack of the support of ASEAN country languages
  - Not support mobile/smartphone devices
  - Potential security risks

# What reasons ?

- **Using old web technology (HTML 4.0)**
  - Not support mobile/smartphone
- **Not based on a web open-source framework**
  - « hand made » coding
    - Security risks
    - Look like prototype more than a real portal
  - Difficult to maintain, upgrade/improve
- **Portal itself is not a correct open-source project**
  - Design, source code,... not published
  - Difficult to participate and contribute
  - Lack of community support

# Solution

- **Port and re-implement AOSS Portal on an open source and security-certified portal software**
  - Keep the current user interface design
  - Support mobile/smart phone
  - Support local languages
  - Facilities for contents management
  - Facilities for automatic updates from member websites
    - through RSS feeds, recorded in DB
- **The new AOSS Portal itself is an OSS project**
  - Follow international OSS practices and guidelines
  - Build-up the communities (developers, users) since the beginning
  - Resource management policy defined by an international committee/board

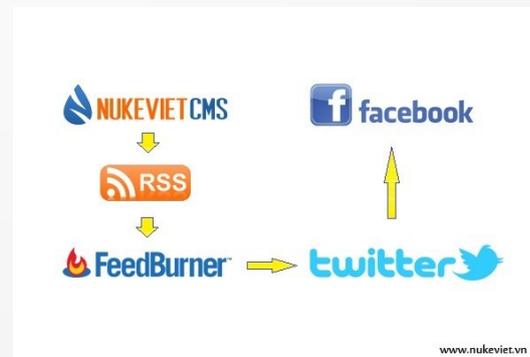
# How-to?

- **VNU-IFI is ready to play the coordinator role for AOSS Portal project**
  - IFI has a rich experience using and developing open source software
    - OSS is default choice in IFI software policy
  - IFI is a founder member of Vietnam Free & Open Source Software Association (VFOSSA)
    - Having the strong support of VFOSSA's member
- **Need the support and funding from Asian IVO**
  - Implement the proposed solution
    - and maintain the portal (for 3 years)
  - Organize some workshops, trainings for Asian members
    - Build-up the communities
- **Need the support from Asian member country OSS Associations**
  - Writing proposal together (NECTEC)
  - resource contribution (developers, localization, ...)
  - Promote OSS among the country user and government



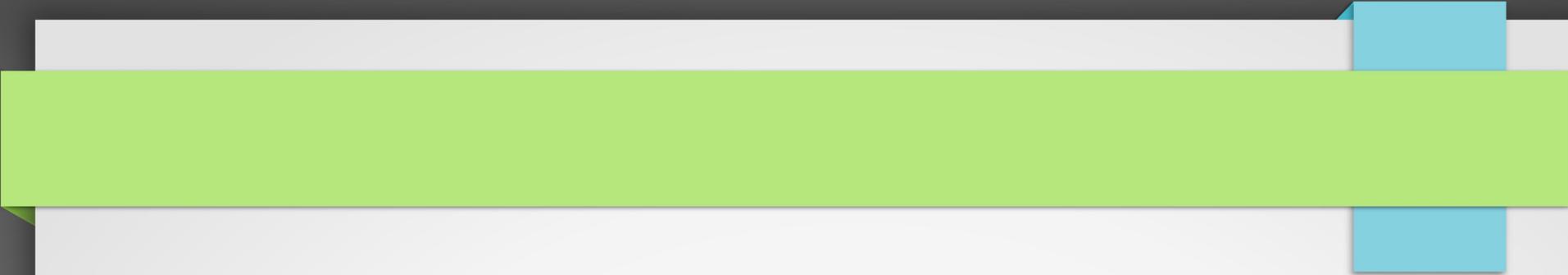
# NukeViet (http://nukeviet.vn)

- NukeViet is Open source CMS, supported, developed and maintained by Vietnamese.
  - Widely used in education in Vietnam
  - Multi-language, multi-platform
  - More than 10 years old
  - “Vietnamese talent” Price in 2011
- Smart CMS
  - support mobile and smartphone.
- Using newest web technologies:
  - HTML5 & CSS3
- Good level security



# Perspectives

- AOSS Resource Portal is to be a common platform for all members of the ASEAN IVO and can be implemented by the ASEAN IVO members together
- AOSS Resource Portal more attractive, secured and easy to use and to extend/improve
- Useful platform for ASEAN universities and institutes to
  - exchange and share Open Educational Resources (OER) and
  - collaborate on open source projects
- 6 months for officially launching the new AOSS portal
  - Project proposal can be ready for end of 2015
    - If the idea is approved and Asian IVO funding found



Thank you for your attention!