PESCA: Developing an Open Source Platform To Bring eHealth To Latin America and the Caribbean
**PESCA: Main Goals**

1. **Setup the organization that favors the collaborative work infrastructure**, for the analysis and evaluation of the Open Source Software (OSS). Tools are foreseen for the improvement and maintenance of the documentation of the user and / or developer in a cooperative way, using special form tools Web 2.0 (such as wikis).

2. **Analyze and validate** existing open source code for eHealth and to select the most relevant ones.

3. **Support internationalization** of PESCA. Translation of validated software to three languages: Spanish, Portuguese, and English.

4. **Provide Workflow Management**: elaborate agreements and regulations, develop the Master Project Plan, risk management, to coordinate technical works, budget control for effective financial management, to facilitate communications among partners, quality control.

5. **Evaluate** platform scalability for its local and regional implementation.
PESCA: Social Network

Diagram:

- Social Network
- Repository
- Wiki
- Forums
- Communication

Flow:

- Best Practices Knowledge
- Applications Open Standards

Participants:

- Doctor
- FLOSS Developer
Therefore PESCA is not only a technological platform, but it tries to form a Platform of Alliances for the eHealth. So has begun in the formation of a community of support to the project that one is organizing in an environment of Social Network (redes.epesca.org).

There will be based the community that will carry out the project. The stable version of the Social Network PESCA it was implemented in January, 2008, and in February of the same year it was installed in the servants of the Center of Computer and Scientist of Andalusia (CICA).

The most important level of relation is that of the communities, at the end of April, 2008, the platform relies on 60 users registered of 6 different countries. To the being a platform of application of the TIC in health, the users present a technological profile (65 %) or bioHealth (30 %) and other sectors (5 %). The users have gathered in crowds around 12 communities of work: Clinical Electronic History, Standards and Normalization, Tools and Applications, Privacy in eHealth, etc.
PESCA: Social Architecture

PESCA is organized as a **Social Architecture** defined by Scenes, which constitutes its functional units:

1. **Social Network Scene**. Social structure made of nodes that are tied by one or more specific types of relations.
2. **Content Management Scene**. Content imported into or generated from working groups in the course of their operations.
3. **GroupWare Scene**. Integration of users and working groups into the project.
4. **E-Learning Scene**. Development of modules for continuing health professional education.
5. **Documental Scene**. Facilities to edit and to share knowledge.
6. **File Scene**. Files Management (storage, access, integrity, etc.).
7. **Ontological Scene and Semantic Web**: To allow the possibility of analysis of metadata concerning the communications generated by other scenes.
**PESCA: Future**

- The Semantic Web is about two things: **common formats for integration and combination of data drawn from diverse sources, where on the original Web mainly concentrated on the interchange of documents.** It is also about language for recording how the data relates to real world objects. That allows a person, or a machine, to start off in one database, and then move through an unending set of databases which are connected not by wires but by being about the same thing. (from w3c).

- Towards the Web 3.0, ontology, semantic web, artificial intelligence… - Robots of search optimized for the best search in the contents. (RDF, OWL…) all together with the integration of components, trying to re-use - not to reinvent the wheel - and to cover the ratios of aims where there are no applications. SOA.
PESCA: Participations

- **eHealth**: Combining Health Telematics, Telemedicine, Biomedical Engineering and Bioinformatics to the Edge http://www.cehr.de/elan_es.htm Dec. 2007.


- **ICMCC London 2008**. http://conferences.icmcc.org/?page_id=2578

- **MundoInternet.es** http://mundointernet.es/index.php?body=pon_article_ponencia&id_article


- **Conferencia Internacional del Software Libre**. October 2008.

- **Other articles in Revistaesalud.com**
PESCA: Links

- http://redes.epesca.org -> Social Network
- http://wiki.epesca.org -> wiki
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