

**Proposal of an exchange in the context of the PROMISE project:
requirements and specifications of the iPad prototype application for the visual
comparison of ranked result cumulated gains**

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The visit is planned for April 13–15, 2011.

The purpose of the visit is to discuss the requirements and the technology specifications for the design of a user interface on the Apple iPad device in order to enhance the user experience with the PROMISE Evaluation Infrastructure.

This activity will be carried out in the context of the PROMISE¹ network of excellence, specifically in WP3 (*Evaluation Infrastructure*) and WP5 (*Collaboration and Knowledge Sharing*).

WP5 is responsible for designing, developing and delivering the user interfaces and the annotation service needed to promote the collaboration among the stakeholders of the evaluation infrastructure and foster the knowledge sharing and reuse. Moreover, it is responsible for exploring how to exploit information visualization and visual analytics techniques to information retrieval experimental data in order to improve their understanding and allow researchers to effectively cope with huge amount of data.

The specific objective of the activity is to outline a common ground for the design and implementation over the iPad device of the software prototype described in [1] which aims at providing an intuitive graphical representation of documents misplaced with respect to the optimal ranking.

In particular, the objectives of the activity are:

- to discuss the development strategies focusing on the toolset Xcode² IDE for building iOS applications
- to delineate the user/interface requirements for a first prototype iPad application of the tool proposed in [1] which will exploit information visualization and visual analytics techniques using the iOS native APIs.

References

- [1] N. Ferro, A. Sabetta, G. Santucci, G. Tino, and F. Veltri. Visual Comparison of Ranked Result Cumulated Gains. Submitted to the *International Workshop on Visual Analytics*, 2011.

¹<http://www.promise-noe.eu>

²<http://developer.apple.com/xcode/>