The more recent activities of the ARQUIGRAFIA research team are dedicated to the development of a first experimental Android app prototype for smartphones to access digital images stored in a collaborative environment on the Web dedicated to promote the convergence of private and public collections of Architecture and Urban Planning. The project involves the improvement of image indexing, the allocation of tags (keywords), the terms of classification and the search tools in the system accessible by mobile devices. The app prototype allows the collaboration among users and their direct contact with buildings and urban spaces in Brazilian cities. Including technical challenges the research is concerned with image evaluation; smartphone application and the expansion of the system coverage to help other areas of knowledge to work with iconographic data such as photographs, videos, drawings and all kind of images in a wide sense. Some specific features are intended to be refined and consolidated in the App such as: the plastic-spatial binomial evaluation of every image producing semantic differential graphics and the free software based system able to be replicate and adapted to other areas of knowledge beyond architecture, named +GRAFIA. This project has been producing direct actions and systematic methodological reflections over the whole process of original photographic collection conservation and their digital webcasing and it is developed in close cooperation with the Library of the School of Architecture and Urbanism of the University of São Paulo (FAUUSP).

ARQUIGRAFIA mobile is already available on Google Play, in Portuguese language. ARQUIGRAFIA offers the possibility of search, share, organize, interpret images, exchanging impressions and building knowledge in a collective and direct way, while wandering through the cities. Stimulate visual and patrimonial culture of buildings and urban spaces based on production, interpretation and debate of critical judgment about digital images. Students, teachers, photographers, researchers and others whom may be interested from Brazil and all Portuguese speaker community gather in ARQUIGRAFIA appropriating of this collaborative environment of continual growth.

Results

- 1745 active users
- 70000 images on-line
- 42000 digitized images
- 70 different related academic productions
- 10000 images on-line

Users

- Architecture students 38,6%
- Students of other areas 10,3%
- Architects 23,4%
- Architecture teachers 4,3%
- Photographers 4,1%

APP screens

1. Home screen; 2. Camera screen - to photograph or to choose an image from gallery; 3(a,b,c) Example of search result - a) window, b) belfry, c) statue; 4) User screen - photos; 5) Camera screen; 6) Search screen; 7(a,b,c) Image indexing screens (translated to English); 8) Impressions registration screen (translated to English).

ARQUIGRAFIA - An APP for an architectural images collaborative environment

Artur Simões Rozestraten - Professor FAUUSP and Vania Maria Alves Lima - Professor ECAUUSP

Phase II under development (From 03/2015 to 03/2017) - Contact: arthur.rozestraten@usp.br, vamal@usp.br

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