Setting up of Digital Commons by means of TiersLieu

Subject

The Institute of Information Service Science | ISS, FOXEL SA and the CINTCOM foundation establish a convention aiming at developing their respective explorations, in the domains of large scale digital scanning of geographic territory/space, setting up of digital commons, management of technological and informational heritage, deployment of projects related to Smart Cities or Smart Regions. This partnership concerns research, teaching, and establishment of TiersLieu in relation with the above topics.

FRAMEWORK

The framework of the cooperation is driven by the deep changes brought to our Society by the paradigm shifts produced by information and communication technologies (ICT). Those paradigm shifts bring novel activities impossible to perform before.

The Institute of Information Service Science (ISS) – an inter-faculty laboratory of the Centre Universitaire d'Informatique of the University of Geneva – leads research developing paradigm shifts for digital services, considering the underlying societal transformations they cause, and combining these two aspects frequently looked in isolation.

FOXEL SA developed such a paradigm shift technology in the area of stereophotogrammetric cameras. It continues to intensively develop such services for the big data sets generated by this technology when used to digitally capture a geographic area. Additionally, by necessity, FOXEL SA interests include understanding Society development modes that can absorb those digital possibilities.

The CINTCOM non-profit private foundation, under Swiss Civil Code, mission is to contribute and support the development of methodologies, tools, strategies, virtual and material structures favouring innovation through setting up digital commons involving both private and public actors.

OBJECTIVES | Non exhaustive List

Research
- Projects (CTI, H2020), PhD thesis.
- High performance computing project for processing big data sets generated by cameras scanning;
- Projects in collaboration with other disciplines of the University;
- Multidisciplinary services for the development of the Geneva City and the Geneva Region;
- Development of situational method components for the engineering of software and information services;
- Collective Intelligence;
- Changes in business, organisations, markets activities and responsibilities;
- Building and management of heritage based on open data;
- Data aggregation, propagation, sharing, acquisition, and valuation;
- Establishment of a research lab on these topics.

Teaching
- Joint teaching in BSc, MSc and lifelong learning programs;
- Project and internships for BSc and MSc students;
- Multidisciplinary teaching with other related disciplines;
- Sharing of strategic and scientific information.

Relationships with the Geneva City
The three partners will undertake joint activities in public, private or associative areas in relation with their topics, of particular interest is the establishment of Third-Places favouring the co-creation of trans-disciplinary and trans-institutional services.

INTELLECTUAL PROPERTY
All the activities performed in the framework of this convention will be done following the academic spirit of sharing of knowledge and under the legal open system KALIX. All documents will be under the CC-BY-SA license, software will be under the GNU GPL licence or any compatible licence, hardware will be under the CERN OHL license.

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