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## QLectives introduction

QLectives is a project bringing together top social modelers, peer-to-peer engineers and physicists to design and deploy next generation self-organising socially intelligent information systems. The project aims to combine three recent trends within information systems:

- **Social networks** - in which people link to others over the Internet to gain value and facilitate collaboration
- **Peer production** - in which people collectively produce informational products and experiences without traditional hierarchies or market incentives
- **Peer-to-Peer systems** - in which software clients running on user machines distribute media and other information without a central server or administrative control

QLectives aims to bring these together to form Quality Collectives, i.e. functional decentralised communities that self-organise and self-maintain for the benefit of the people who comprise them. We aim to generate theory at the social level, design algorithms and deploy prototypes targeted towards two application domains:

- **QMedia** - an interactive peer-to-peer media distribution system (including live streaming), providing fully distributed social filtering and recommendation for quality
- **QScience** - a distributed platform for scientists allowing them to locate or form new communities and quality reviewing mechanisms, which are transparent and promote quality.

The approach of the QLectives project is unique in that it brings together a highly interdisciplinary team applied to specific real world problems. The project applies a scientific approach to research by formulating theories, applying them to real systems and then performing detailed measurements of system and user behaviour to validate or modify our theories if necessary. The two applications will be based on two existing user communities comprising several thousand people - so-called "Living labs", media sharing community [tribler.org](http://tribler.org); and the scientific collaboration forum [EconoPhysics](http://EconoPhysics).

## Executive Summary

This deliverable titled 'Art Installation' constitutes part of the dissemination of the project. The Art Installation took the form of a multimodal exhibition, held at the Centre for Contemporary Art (CCA) of Warsaw with the title '**TEN PERCENT WHITE**'. The duration of the exhibition was approximately two months (December 18, 2012 – February 10, 2013).

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## 1. Introduction & Planning

The Art Exhibition held in Warsaw in 2012 involved a dynamic and creative liaison between art curators, scientists and ultimately the audience. Artists were invited to participate and present artwork on the general theme of: Quality in Science, Art & Life.

The plan was that the exhibition was based on P2P principles and that artists produce art, but also record their actions (through diary-keeping), and that all the material is then subjected to scientific analysis. QLectives members were involved in suggesting sub-themes for artists to address with their work and also in analysing the data recorded in artists' exchanges. The ultimate idea is that the 'DNA' of the exhibition as a process is made transferrable through QScience and that a catalogue or book is eventually produced that records the exhibition.

The exhibition opened on December 17, 2012. The audience at the opening included QLectives members, artists, local academics and scientists from the Institute for Social Studies at the University of Warsaw as well as members of the general public.

## 2. Description

### TEN PERCENT WHITE

(<http://csw.art.pl/index.php?action=wydarzenie&id=681&lang=eng>)

consisted of a film, interactive activities during the exhibition, media displays and science artifacts. The Film team included Anna Okrasko, Karol Radziszewski, Aleksandra Wasilkowska and Anna Zaradny. The Scientific team included Prof. Andrzej Nowak, Wiesław Bartkowski, Mikołaj Biesaga, Magdalena Jagielska, Karolina Lisiecka, Klara Łuczniak, Dr Michał Ziembowicz and Dr Matus Medo (Université de Fribourg) as well as other QLectives Members. It also included a curator, Kaja Pawełek, and the graphic design was undertaken by Noviki Cellars Gallery.

The exhibition was an event with the aim to lay at the crossing of science and art. Its implementation was due to the cooperation between four artists, a CCA curator, as well as scientists from the Institute for Social Studies at the University of Warsaw.

The foreground to the exhibition took the form of a project attempting to create an interdisciplinary and experimental film team, in which artists would represent various fields of art (architecture, music, visual art). The film team worked together on an idea for a joint project. The idea was to enable open work for a multi-threaded design, using the potential and interest of visual artists in a film format, while simultaneously modifying and transforming tools appropriate for it. The finished film product was welcomed, but it was not the main objective of the team's collaboration.

The creative exchange process between the artists was documented and analyzed by scientists, using tools from the field of science, such as social network analysis, qualitative and quantitative analysis of the group process and the exchanges between artists. The idea for the meddling of art and science was focused on how the team self-organizes itself around works of art and how its ultimate output emerges. In that respect, the exhibition at the CCA was a concurrent portrayal *and* analysis of the teams' cooperation as the multi-modal process that it was *as well as* a display of the ideas that arose during this process, which lead to the film titled **TEN PERCENT WHITE**.

### 3. Appendix: Photos



Pictures 1 & 2: TEN PERCENT WHITE – Entrance & Film display



**Picture 3:** TEN PERCENT WHITE – multi-modal displays of the process towards its creation



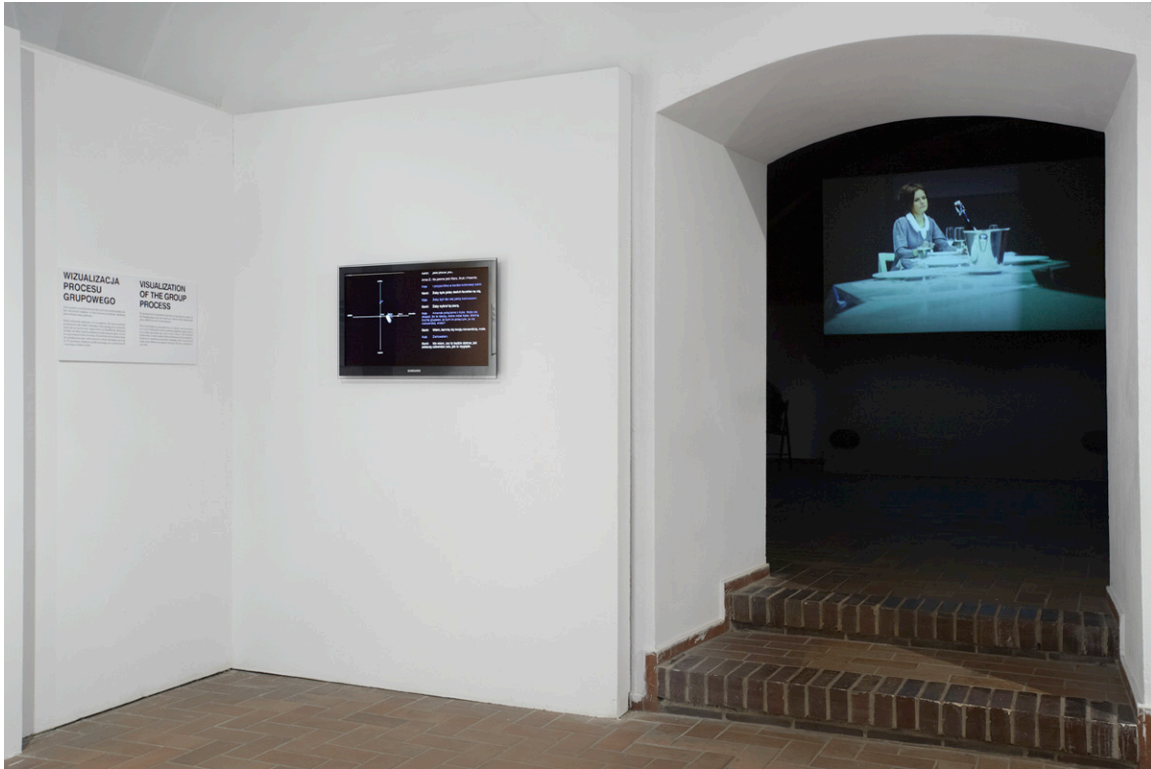
**Picture 4:** TEN PERCENT WHITE – multi-modal displays of the process towards its creation and interactive activities



Picture 5: TEN PERCENT WHITE – multi-modal displays/analysis of the process towards its creation



Picture 6: TEN PERCENT WHITE – visualization of the network



**Picture 7:** TEN PERCENT WHITE – more visualization of the group process towards its creation