

PREFORMA kickoff UCL presentation

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Université catholique de Louvain - ICTEAM

- UCL
 - Located in Louvain-la-Neuve, 30 kms from Brussels (Belgium)
 - 5500 employees, 29000 students
- ICTEAM
 - = Institute of Information and Communication Technologies, Electronics and Applied Mathematics
 - 40 professors, 200 researchers
- Signal and Image Processing Group
 - Among our research directions:
 - Image and video compression algorithms
 - Watermarking
 - Compressed image retrieval
 - Hosts and maintains « OpenJPEG »
 - open-source JPEG 2000 library,
 - recently approved by ISO as reference software for JPEG 2000 Part-1.
 - Several spin-off have been created from the lab, among which
 - intoPIX
 - Skemmi



Subcontractors: intoPIX and Skemmi

- intoPIX

- world leading provider of compression and decompression tools for all flavours of JPEG2000
- Mainly active in Digital Cinema, Broadcast, Pro-AV, Digital Preservation



- Skemmi

- Provides mass-interactive experiences and interactive games played by a crowd on big screens
- Based on a flexible and modular software framework



Our proposal for PREFORMA: OpenMediaCheck

- Modular Software Platform
 - Provides a flexible way to build pipelines of external processing tools
 - Based on OpenInterface project and Skemmi's expertise
- Audiovisual Conformance Checker
 - Provides compliance testing, reporting and basic fixing of long-term preservation files encoded with
[JPEG 2000 + LPCM + MKV]
 - Based on OpenJPEG project and intoPIX expertise

Thank you