Indexing big colored image bank: Texture 3.0

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- 1 Introduction
- 2 Team presentation
- 3 User requirement
- Work achievement
- 6 Results and Discussion
- 6 Project Management
- 7 Conclusion

Context and environment



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Deadlines

XLIM-SIC Laboratory of University of Poitiers

- Noel Richard (Researcher in Color images): Supervisor
- David Helbert (Researcher in Signal-Image-Communications) : Supervisor
- Thierry Urruty (Researcher in Color images): Customer

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Software

- Design software programs : indexation of images database,calculate descriptor according to nature images
- Adapt the last up to date designed color and texture attributes to the current image classification
- Compare our results (using CLEF challenge metrics)
- Provide an abstract of the comparisons and a technical report

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SIFT(Scale-Invariant Feature Transform)

Key-points detection (x,y,σ)

- Scale-space extrema detection
 Find the best locations which characterize well the image
- Key-point location
 Improve the position of the keypoints detected
- Orientation assignment
 Assign orientations to the key-points
- key-point descriptor
 Describe the key-point with with a vector of 128 dimension

C_2O



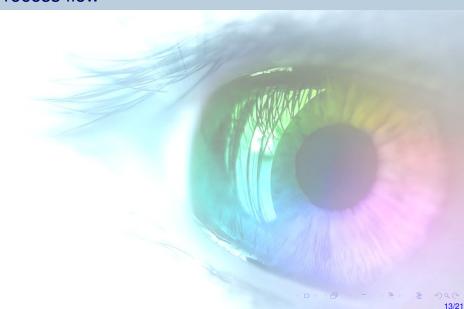
Classification



CLEF



Process flow

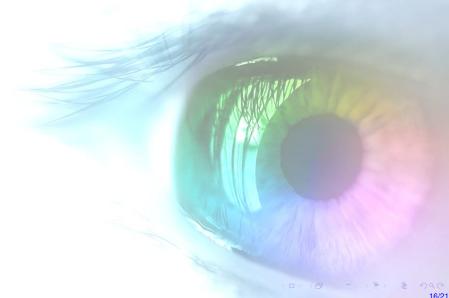


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Results



Discussion



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SCRUM method



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Conclusion



