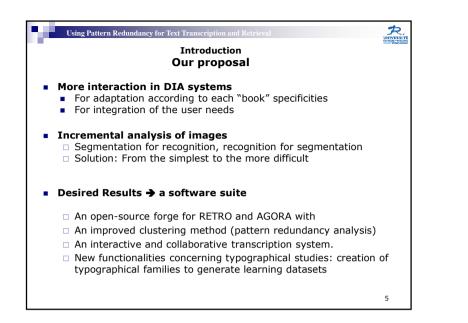
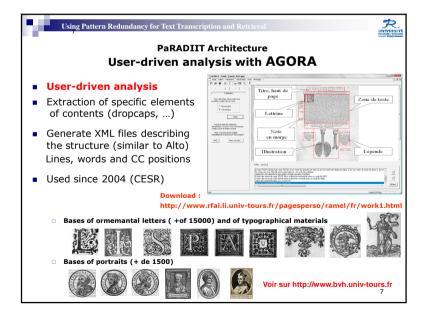
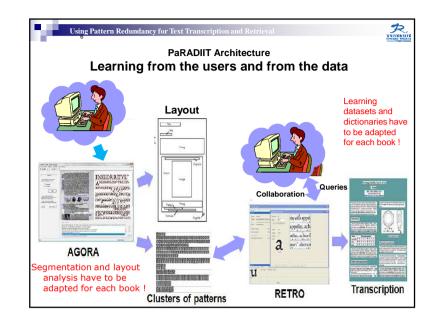
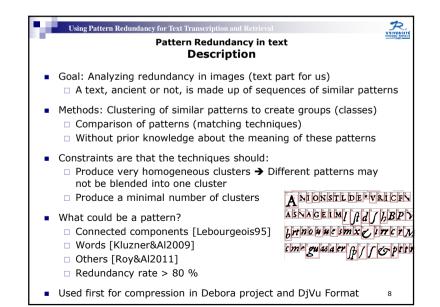


	Introdu Challe				
Overcoming commerc	ial OCR pe	rformances			
Segmentation in line	es, words, cl	naracters is a	probl	em	Emr
Books of the CESR	Omnipage classical segmentation	Omnipage Omnipage with Classical Ocropus		contant in available of the second	gnoust. Of ad fe admi fanguinen ad fubfeq fione opu flatim uni rum ex ali bras uena
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Histoire de l'expédition chrestienne au royaume de Chine	86.48%	61.25%	ion eft. le Hierogly		por la par go tramit
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 Learning datasets (t linguistic aspects) an Font 			0	e (dictionar	
Average (30 fonts)	86.59	96.02	99.55		_
Berkeley Old - Berkeley Oldstyle	96.62	97.2		98.98	
	34.08	73.46	73.46		
Banco Banco	34.00	10.40		98.77	
_{Banco –} Banco _{Mistral –} Mistral	46.63	92.16		94.89	



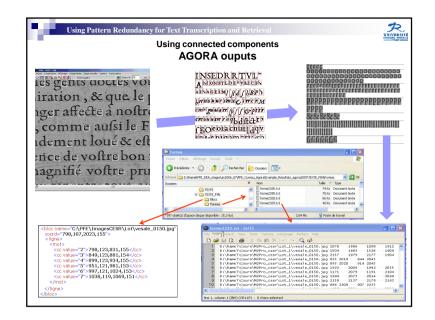


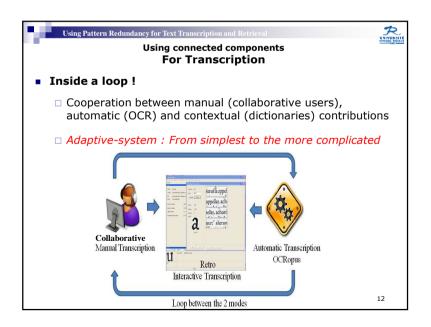


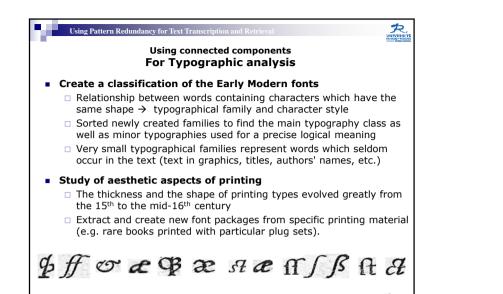


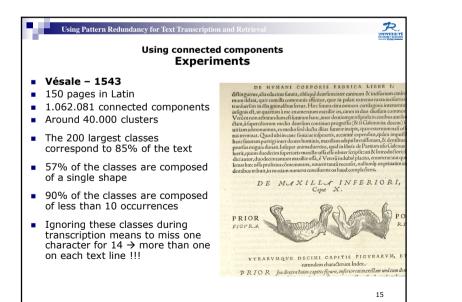
Using Pattern Redundancy for Text Transcription and Retrieval Pattern Redundancy in text Description								
 Using connee The first and s Redundancy r Redundancy c (modern) This rate dependent 	simplest ate star an reac	ts arou h up to	o realiz nd 75% 95% v	e such % when when pr	analysis using a ocessin	ı single g an en		ok
Number of pages	1	2	3	4	5	6	7	8
Total # of clusters of binary patterns	555	915	1,209	1,485	1,678	1,870	2,083	2,262
Total # of characters Redundancy rate	2,327 76%	4,245 78%	6,681 81%	8,681 82%	11,159 84%	13,589 86%	16,141 87%	18,028 88%
 Redundancy r. high typograp 								
								9

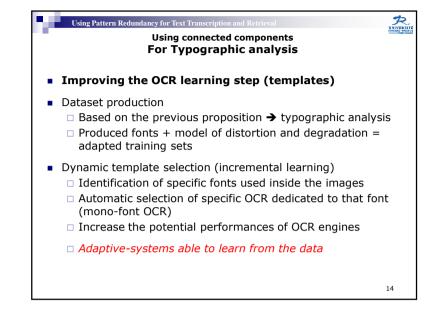
Using Pattern Redundancy for Text Transcription and Retrieval Using connected components For Transcription						
RETRO GUI – Computer Assisted Tran	scription (manual)					
 For tagging the clusters using unicode Cluster visualization Characters (CCs) in context Creation (selection) of new templates 	Contractions of the second sec					

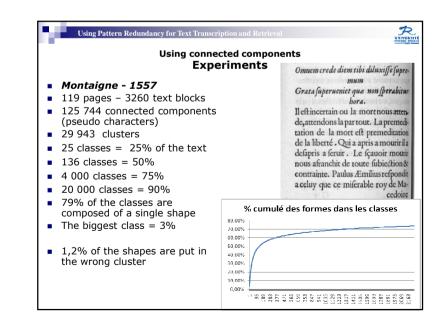


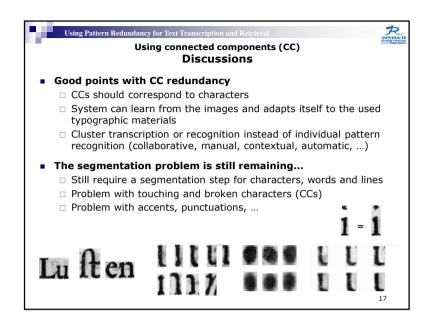


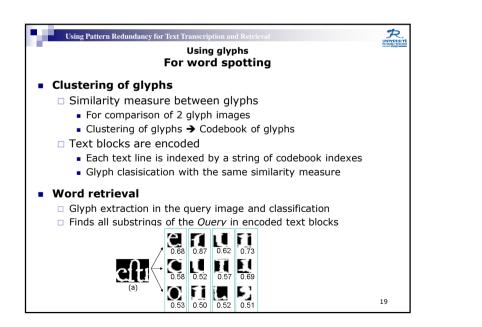


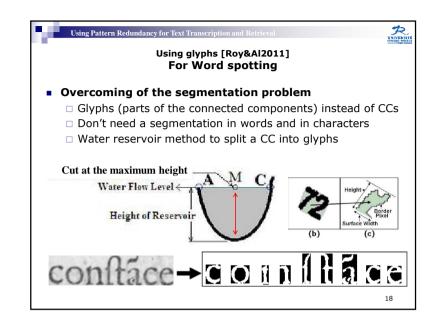


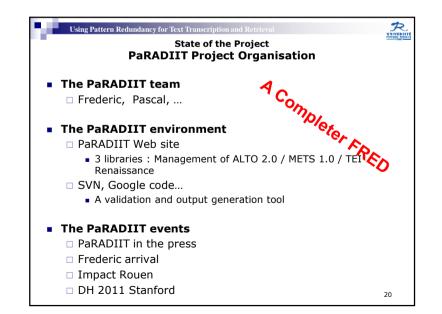


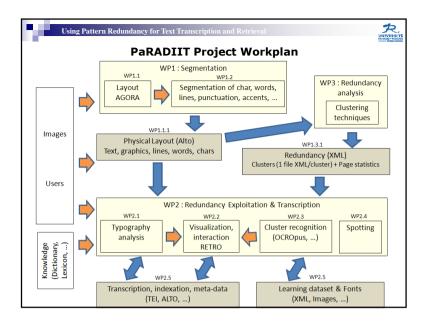


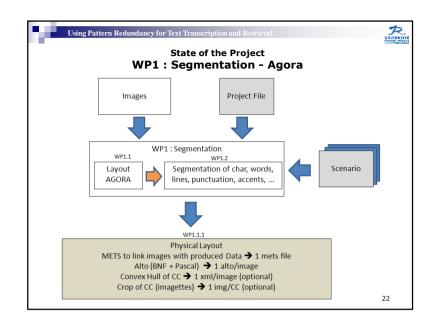


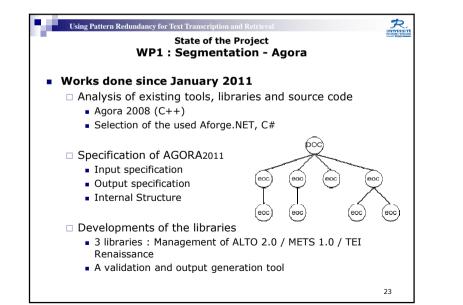


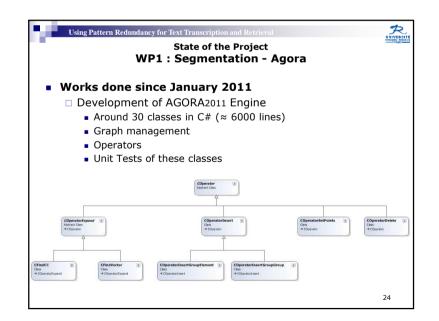


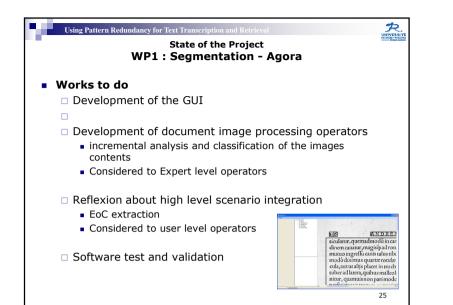


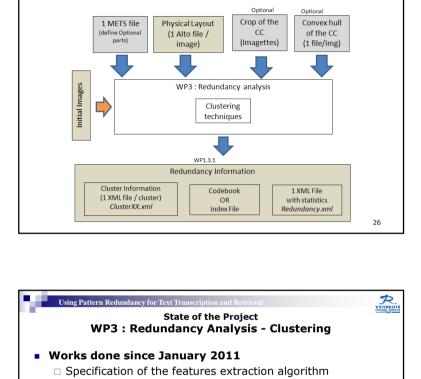












State of the Project

WP3 : Redundancy Analysis - Clustering

Using Pattern Redundancy for Text Transcription and Retrieval

- Combination of Hue's and Zernike's moments
- Computation time analysis

- Specification of the Pattern comparison algorithm
 - Distance selection: L-norm, Cosinus, Jacquard index, ...
 - Experiments to select the best one
 - Computation time analysis \rightarrow we need to merge the patterns in sets before feature comparison
- □ Specification of the clustering algorithm
 - Computation of the prototype for a set of patterns
 - Method to cluster prototypes (and then contained patterns)
 - Computation time analysis

R State of the Project WP3 : Redundancy Analysis - Clustering Works done since January 2011 □ Study of existing techniques and tools Extraction of the patterns HPOS="702" VPOS="850" Features selection and computation (850, 702) Pattern comparison (distance selection) Clustering □ Specification of the pattern extraction algorithm From Bounding box to Convex hull CCDESC CC ID="00004.167.1.0.2"> <POINT RANK=" " X=" " Y=" "/> inua hic sinu These pixels must not be taken into account

Using Pattern Redundancy for Text Transcription and Retrie

when computing feature

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