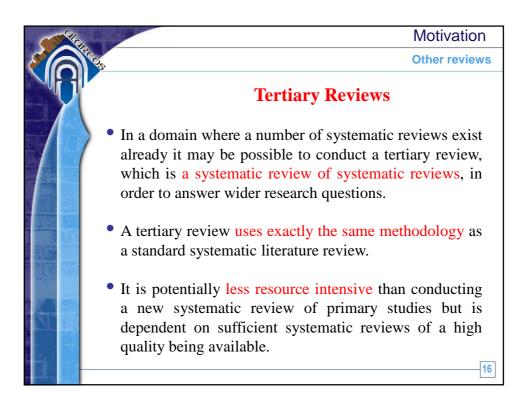
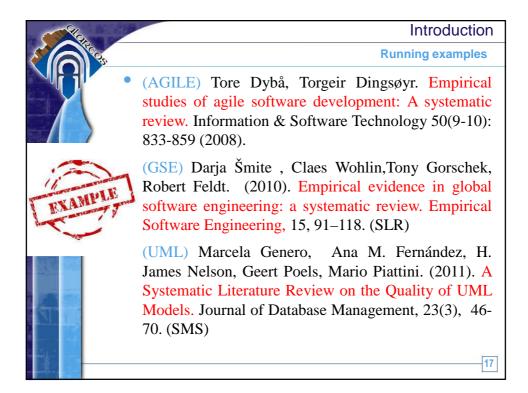


CHARD CHARD		Introduction Other reviews
	Systematic Mappin	g Studies
Elementos	SMS	SLR
Objetivos	Clasificación y análisis temático de la literatura sobre un tema específico de la ingeniería de software	
Pregunta de investigación	Genérica, relacionada con tendencias de investigación, como por ejemplo: qué investigadores, cuantos estudios, qué tipo de estudios, etc.	Específica, relacionada con resultados de estudios empíricos, como por ejemplo: ¿Es mejo el método/tecnología A que la B?
Proceso de búsqueda	Definido por el área de estudio o de interés	Definido por la pregunta de investigación la cual identifica la tecnología específica que está siendo investigada
Alcance	Amplio – se incluyen todos los artículos sobre un área de interés, pero sólo se extrae de ellos datos para clasificarlos	Centrado— solo se incluyen artículos que contengan estudios empíricos relacionados con las preguntas de investigación y se extrae de ellos información detallada sobre los resultados obtenidos en cada uno de ellos

163		Other review
S	ystematic Mapping	Studies
Elementos	SMS	SLR
Requisitos de la estrategia de búsqueda	A menudo menos estricta si sólo se buscan tendencias, por ejemplo se puede buscar solo en un conjunto específico de publicaciones, limitándolas a artículos de revistas, o limitándolas a una o dos bibliotecas digitales	Extremadamente exigente- se deben encontrar todos los artículos relevantes Generalmente además de buscar en las fuentes establecidas, puede ser necesar buscar en las referencias de los estudio primarios seleccionados o consultar a expertos para incluir el mayor número artículos posible
Evaluación de la calidad	No es esencial. Al incluir tanto estudios teóricos como empíricos de cualquier tipo, suele ser muy difícil definir un mecanismo de evaluación	Es importante asegurarse de que resultados se basan en la evidenci mejor calidad
Resultados	Un conjunto de artículos relacionados con un área de interés clasificados en una serie de dimensiones, especificando el número total de artículos en cada dimensión	Se agregan los resultados de los estudi empíricos para contestar a las pregunta investigación



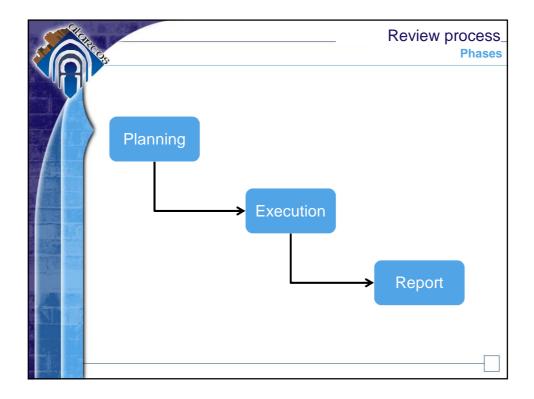


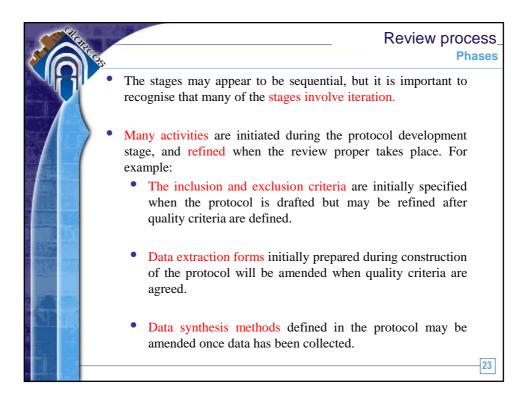


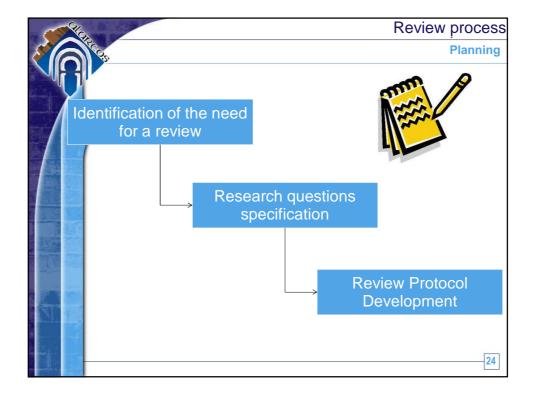


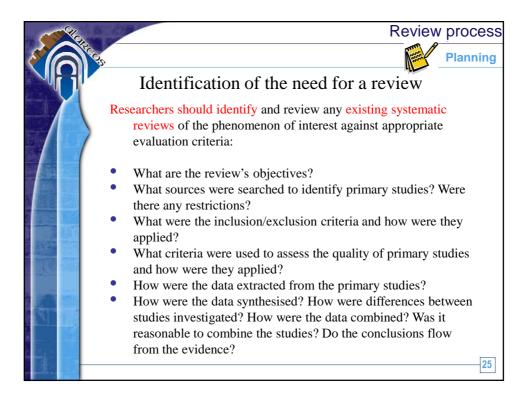


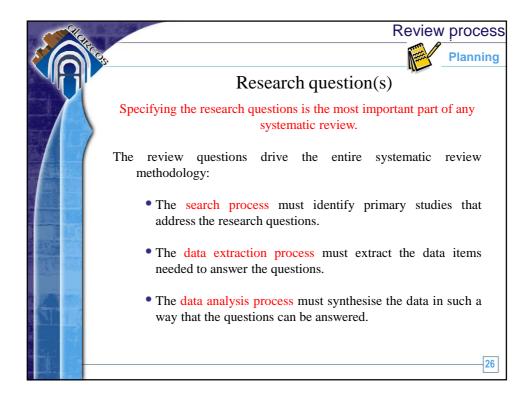


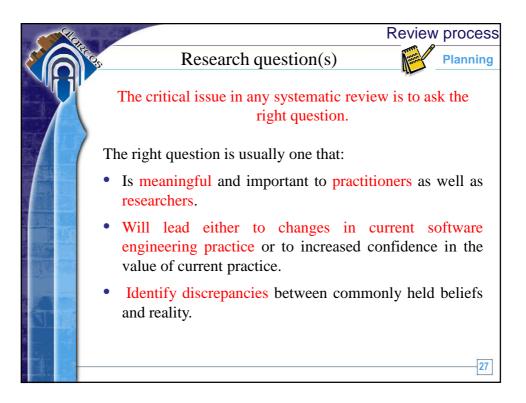


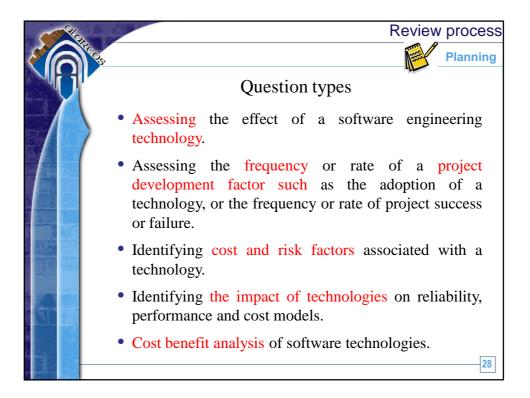


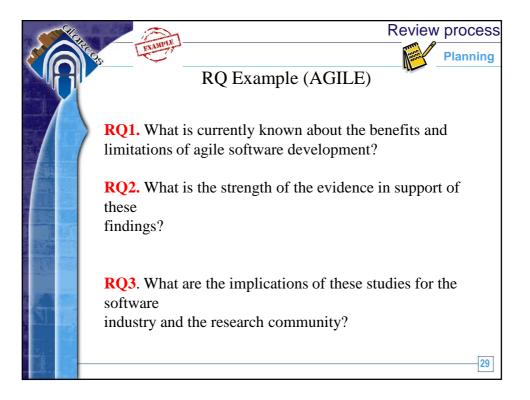


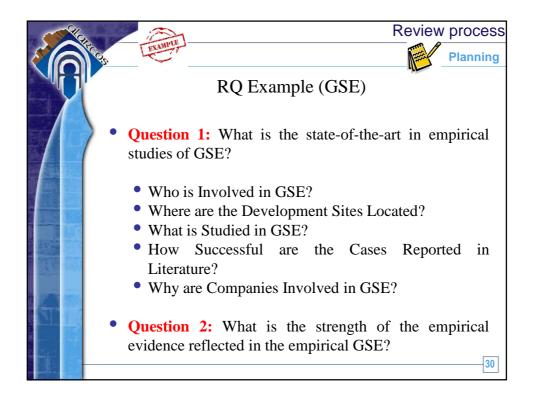


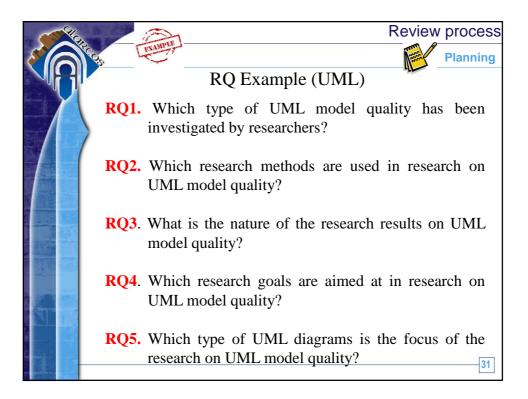


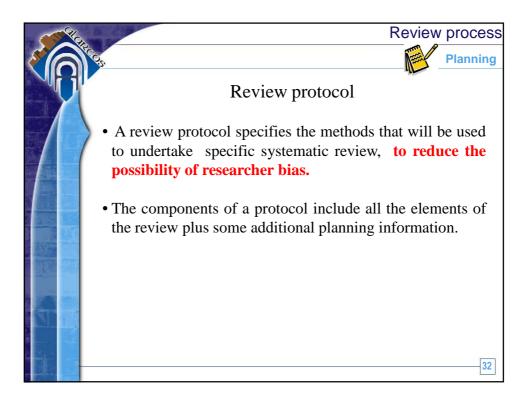


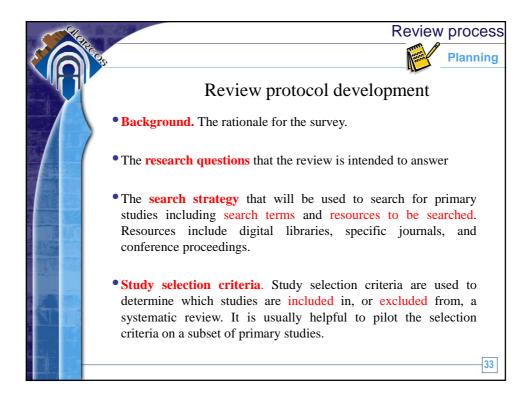




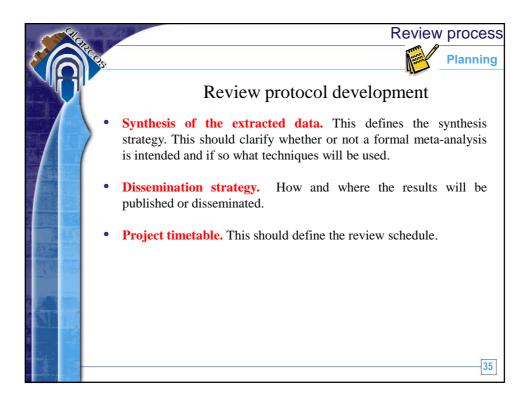


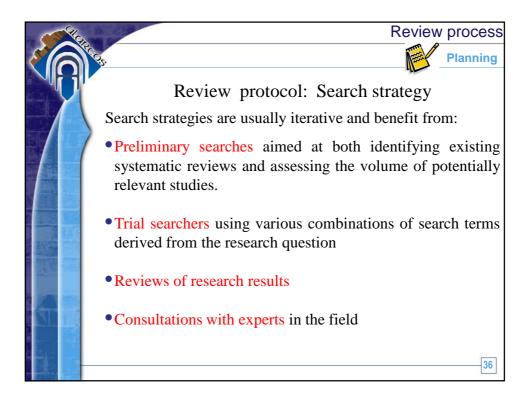




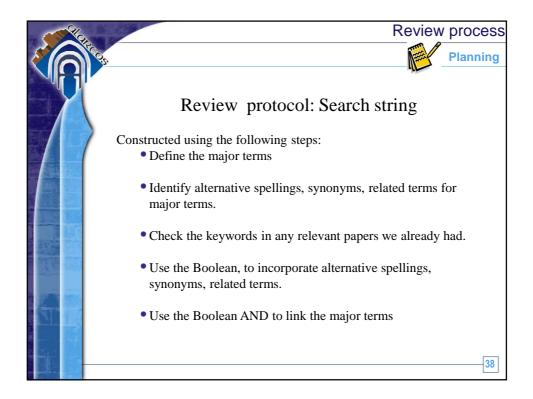


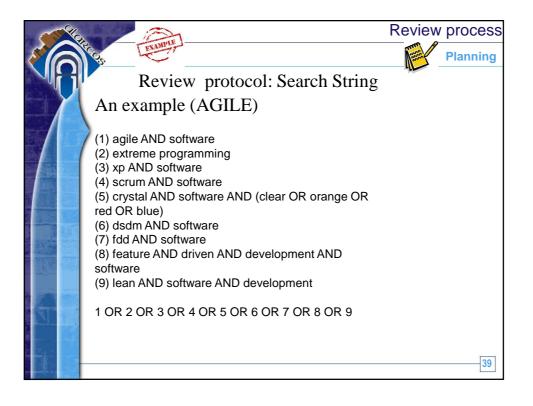


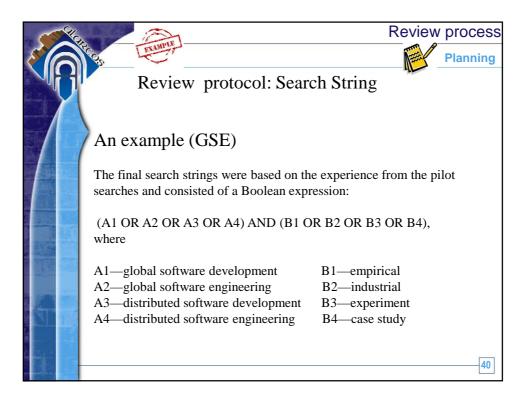


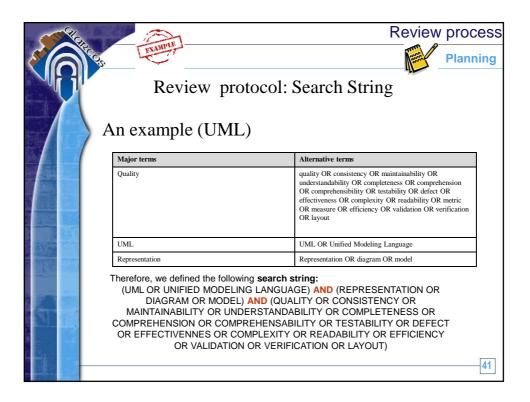


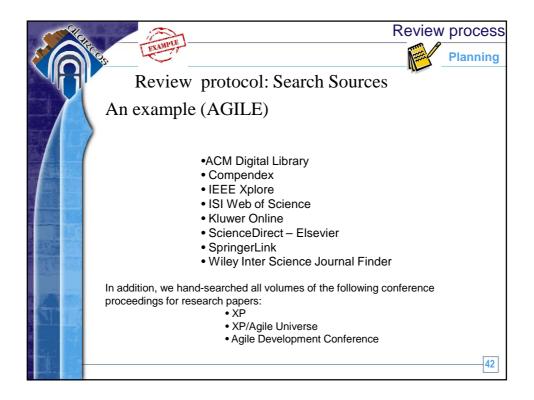


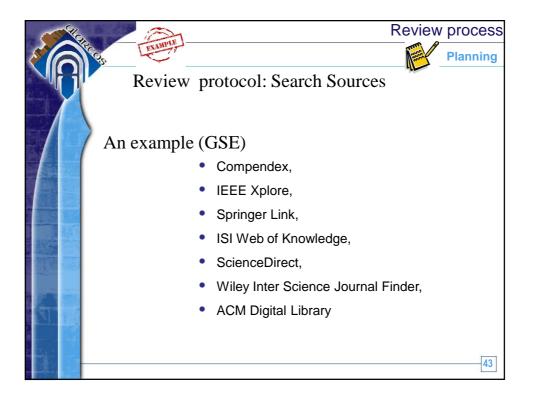


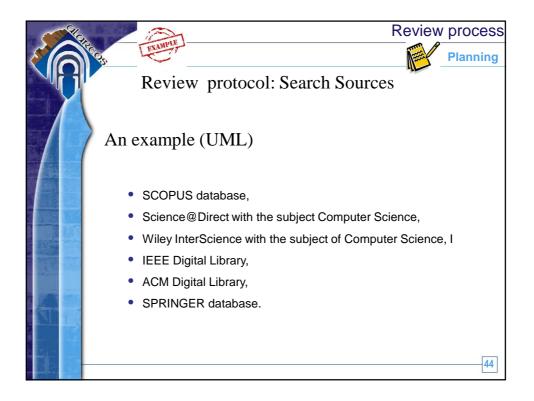


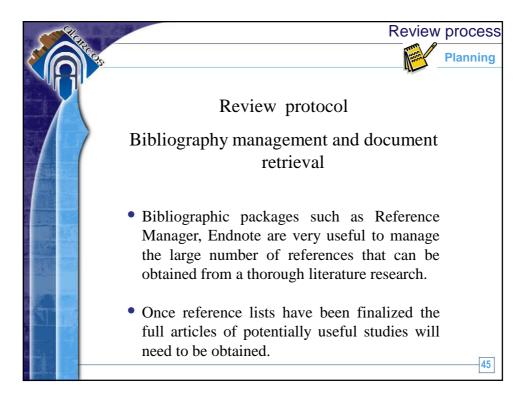


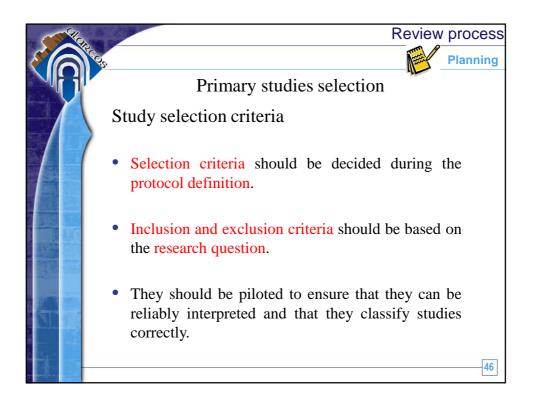


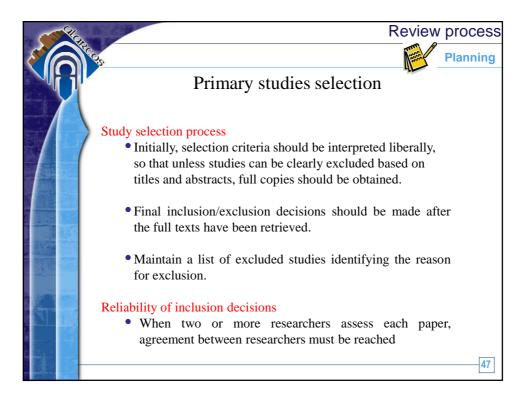


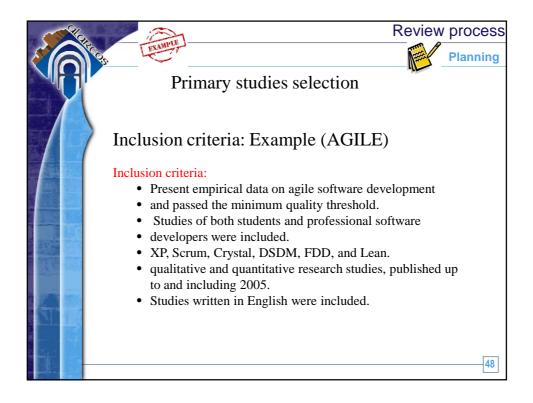


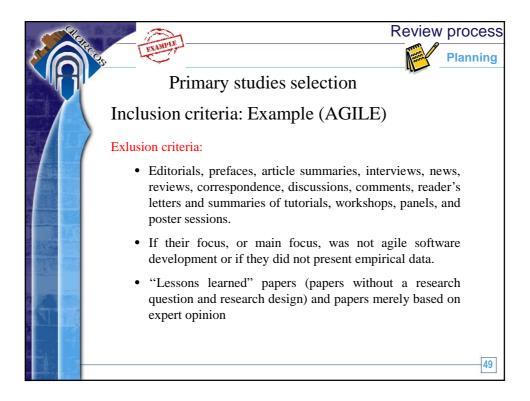


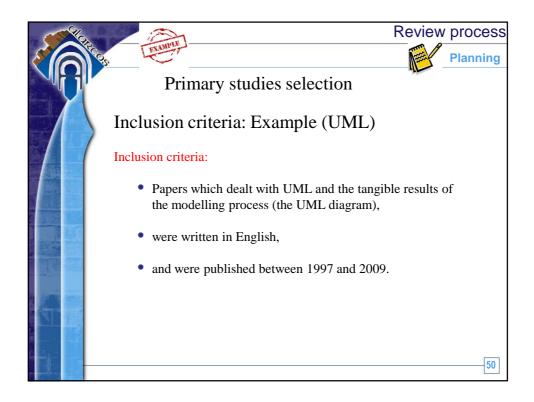


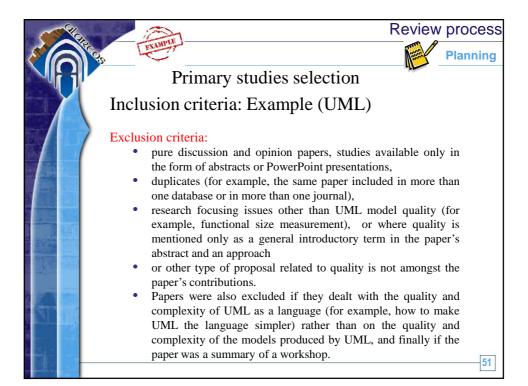


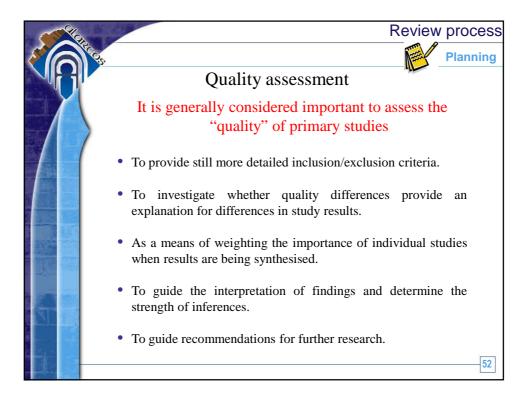




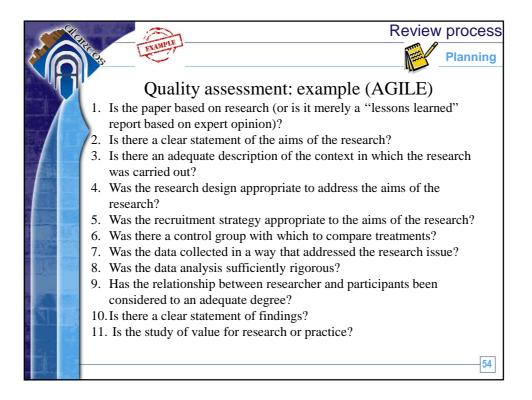


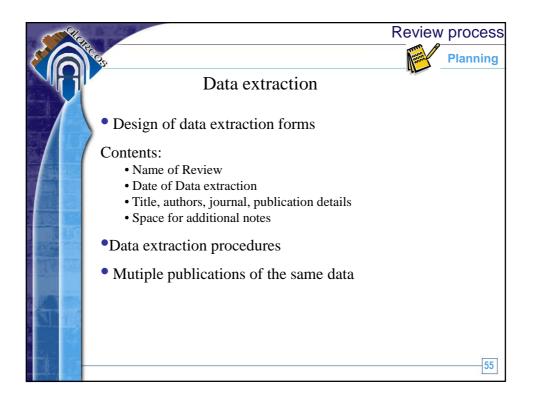


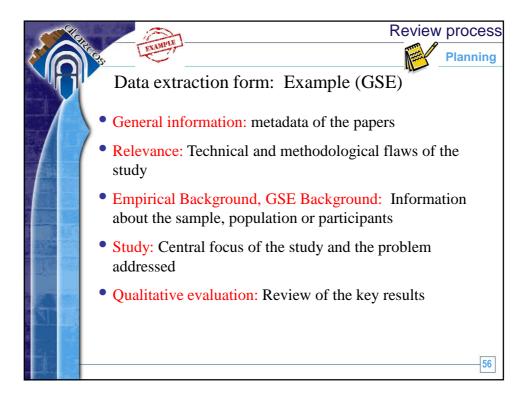


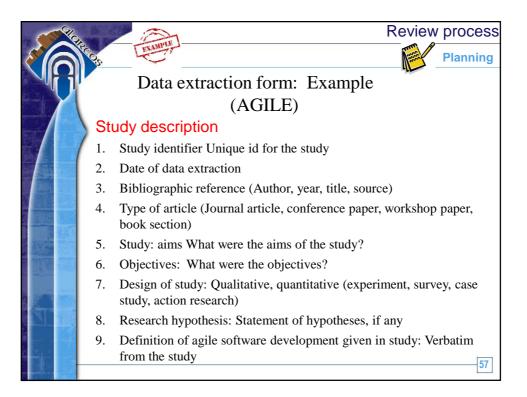


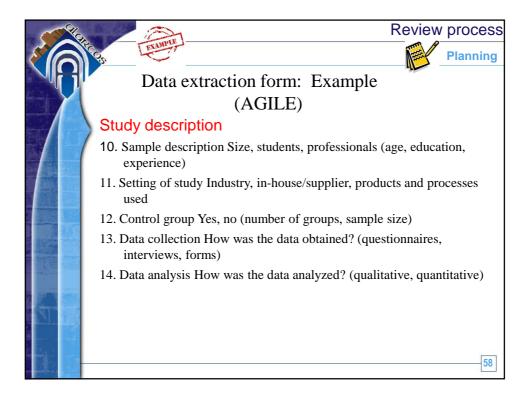


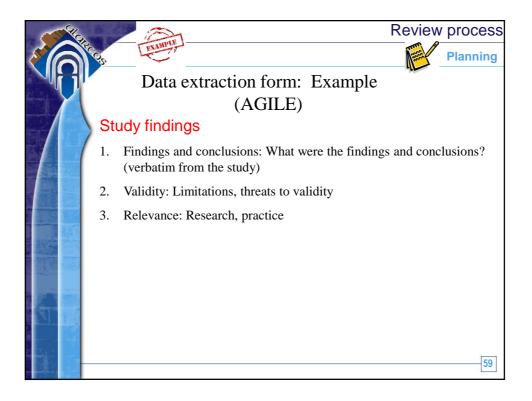


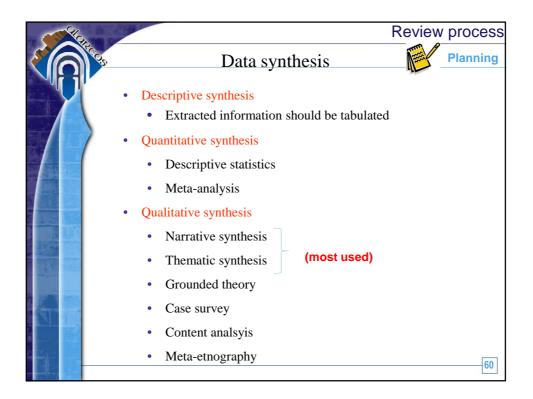


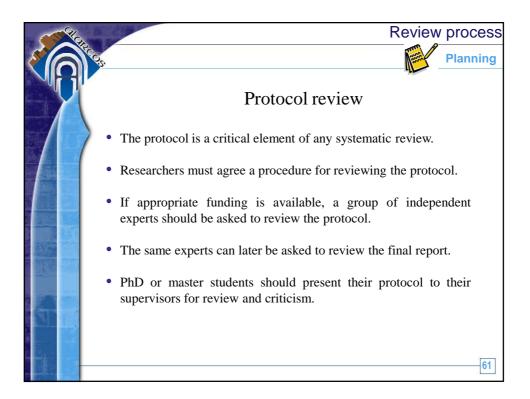


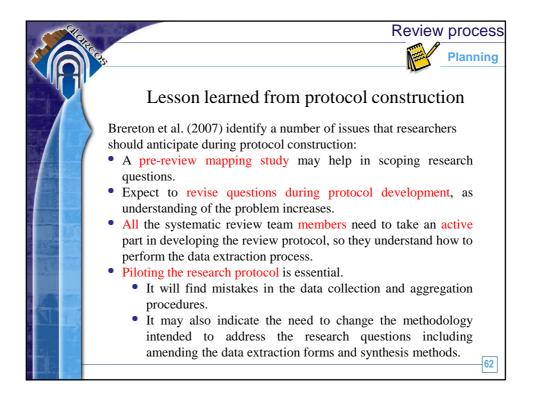


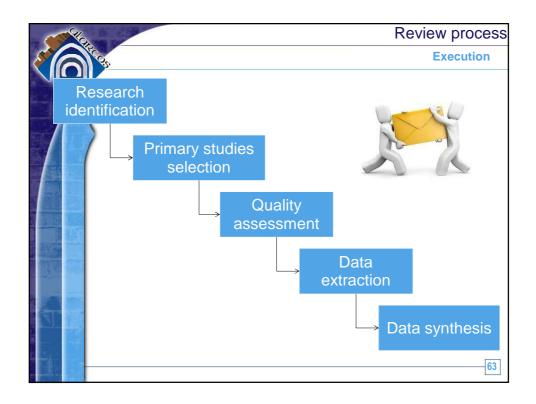


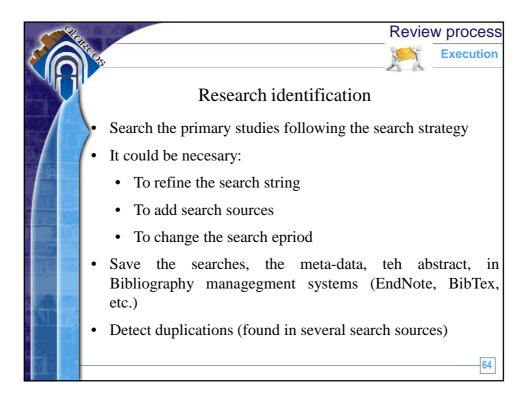


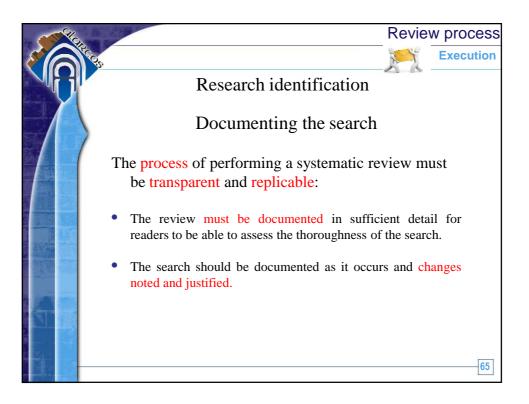




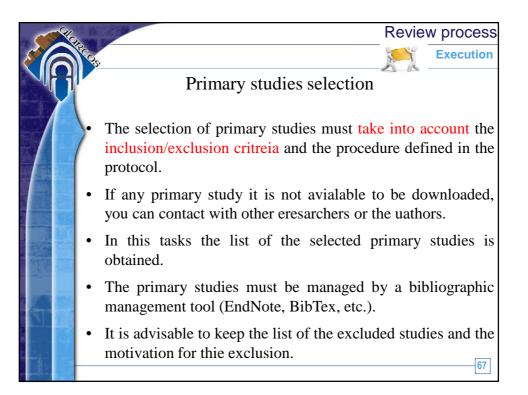


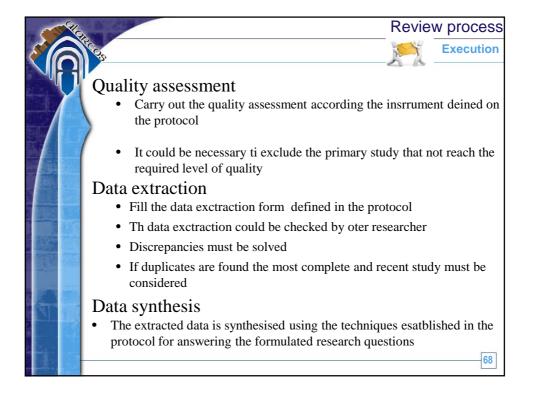


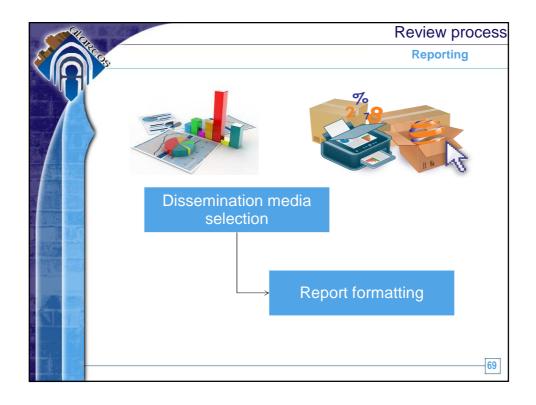




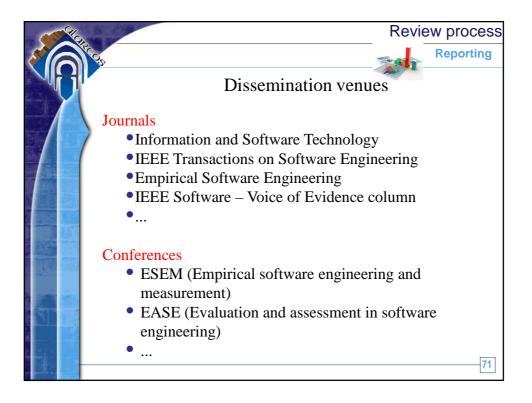
	Review proces		
	Execution		
	Research identification		
	Documenting the search		
Data Source	Documentation		
Electronic database	Name of database		
	Search strategy for each database		
	Date of search		
	Years covered by search		
Journal Hand Searches	Name of journal		
	Years searched		
	Any issues not searched		
Conference proceedings	Title of proceedings		
	Name of conference (if different)		
	Title translation (if necessary)		
	Journal name (if published as part of a journal)		
Efforts to identify	Research groups and researchers contacted (Names and contact details)		
unpublished studies	Research web sites searched (Date and URL)		
Other sources	Date Searched/Contacted		
	URL		
L	Any specific conditions pertaining to the search		
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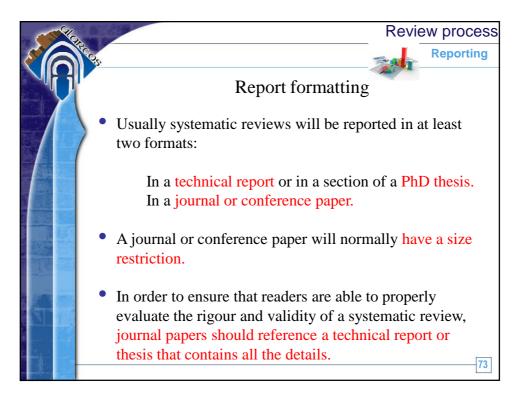






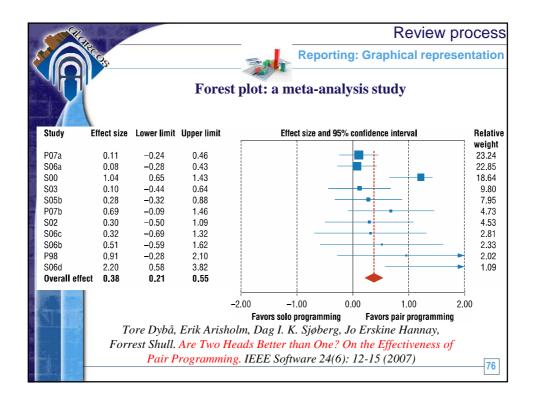


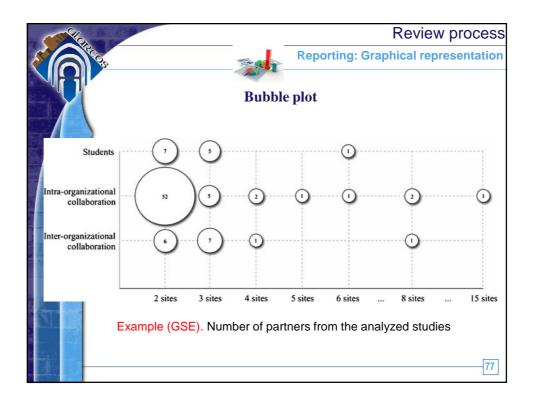




Section	Subsection	Scope
Title*		1. E.
Authorship*		
Executive summary or Structured	Context	The importance of the research questions addressed by the review
Abstract*	Objectives	The questions addressed by the systematic review
	Methods	Data Sources, Study selection, Quality Assessment and Data extraction
	Results	Main finding including any meta- analysis results and sensitivity analyses.
	Conclusions	Implications for practice and future research
Background		Justification of the need for the review Summary of previous reviews
Review questions		Each review question should be specified
Review Methods	Data sources and search strategy	
	Study selection	
	Study quality assessment	
	Data extraction	
	Data synthesis	
Included and		Inclusion and exclusion criteria
excluded studies		List of excluded studies with rationale for exclusion

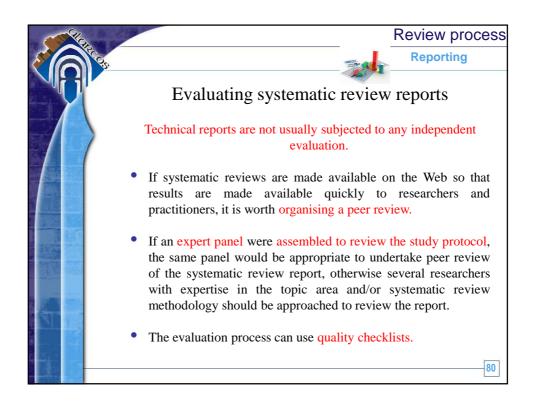
Results	Findings	Description of primary studies Results of any quantitative summaries Details of any meta-analysis
	Sensitivity analysis	1.2 N
Discussion	Principal findings	
	Strengths and Weaknesses	Strength and weaknesses of the evidence included in the review Relation to other reviews, particularly considering any differences in quality and results.
	Meaning of findings	Direction and magnitude of effect observed in summarised studies Applicability (generalisability) of the findings
Conclusions	Recommendations	Practical implications for software development Unanswered questions and implications for future research
Acknowledgements*		All persons who contributed to the research but did fulfil authorship criteria
Conflict of Interest		
References and Appendices		



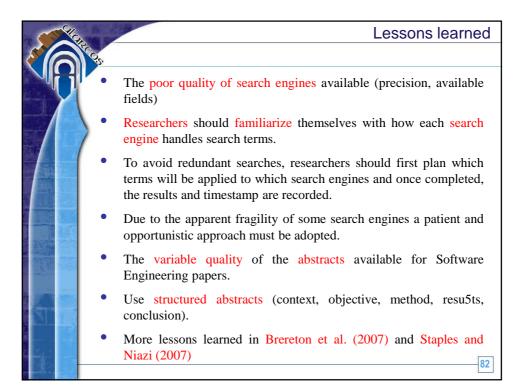


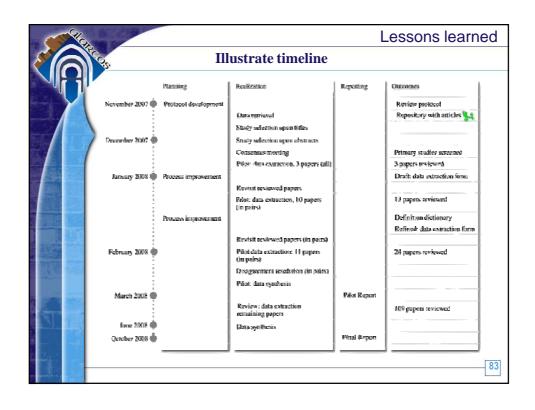
				Review pr
95	Re	porti	ng: Grap	hical represe
			(Or bar plot
SWEBOK Knowledge Areas Topics of Investigation				
Requirements Engineering	10%	T .		[6, 8, 14, 16, 58, 59]
Design Architecture Evaluation	3%			[2, 3]
Testing Testing	2%		•	[1]
Validation	2%			[20]
Defect Detection	2%			[29]
Engineering Management Coordination and Communication		15%		[7, 11, 17, 32, 34, 38, 43, 51, 56
Managing Collaboration		-	34%	[5, 10, 12, 13, 19, 22, 24, 26, 28 30, 36, 37, 40, 44-46, 52, 53, 55
Trust and Socialization	5%		•	[4. 39. 42]
Knoweldge Management	3%			[15, 18]
Managing Cultural Diversity	3%			[41, 54]
Engineering Tools and Methods Risk Management	3%		•	[49, 50]
Engineering Process Productivity Evaluation	3%			[25, 47]
Application of Agile Practices	8%		•	[21, 27, 31, 35, 48]
Quality Software Inspections	5%			[9, 23, 33]
• Example (GSE). Det			vered top	bics

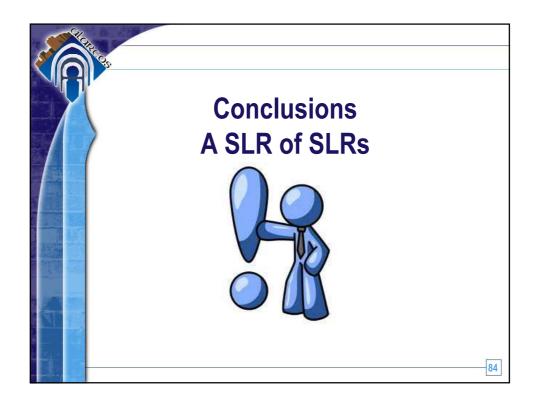
1			Review
	The second	Reporting: Gra	aphical repre
	or just	t a table?	
$\langle \rangle$	Type of quality	Number	Percent
	Syntactic	15	5.64%
	Semantic	135	50.75%
1000	Pragmatic	103	38.72%
	Syntactic + Semantic	6	2.26%
	Syntactic + Pragmatic	0	0.00%
	Semantic + Pragmatic	6	2.26%
	Syntactic + Semantic +		
	Pragmatic	1	0.38%
	Total	266	100.00%
Exa	ample (UML). Percentage of Pa QualityTyp		ng Different

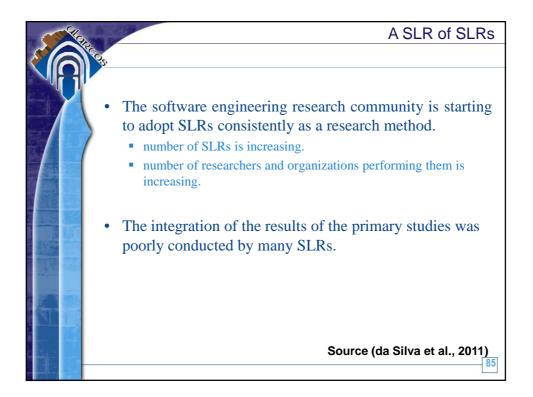


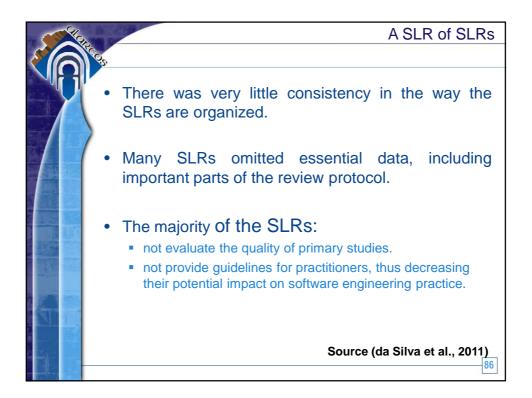


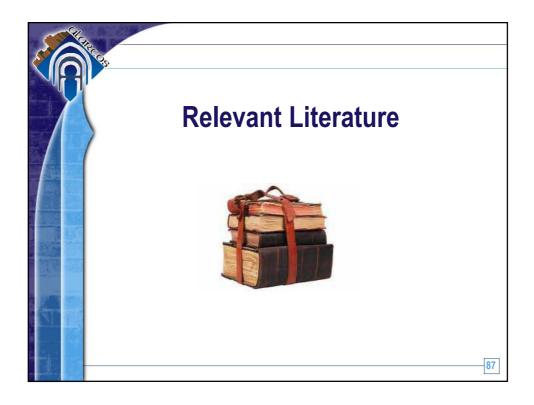


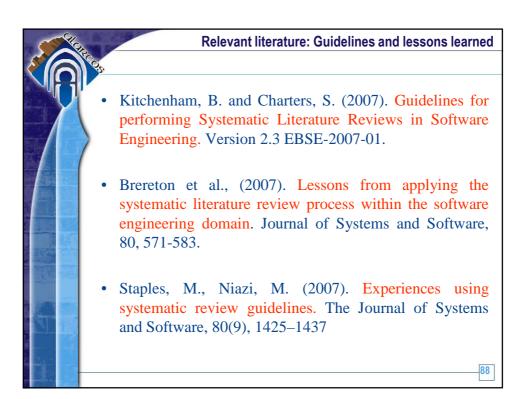


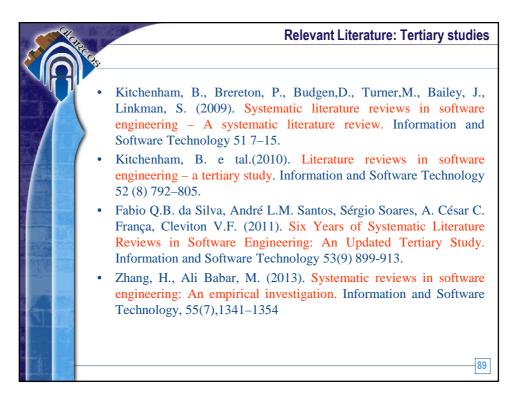












à	Relevant literature: Synthesis
Q.	Daniela Cruzes, Tore Dybå. Research synthesis in
	software engineering: A tertiary study. Information & Software Technology 53(5): 440-455 (2011)
•	Daniela S. Cruzes, Tore Dybå. Recommended Steps for Thematic Synthesis in Software Engineering. ESEM 2011: 275-284
•	Daniela S. Cruzes, Tore Dybå, Per Runeson, Martin Höst: Case Studies Synthesis: Brief Experience and Challenges for the Future. ESEM 2011: 343-346
	90



