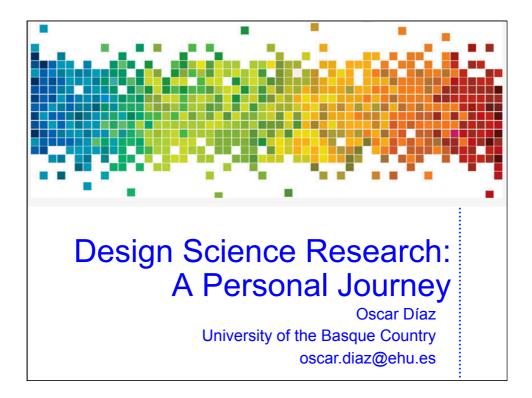
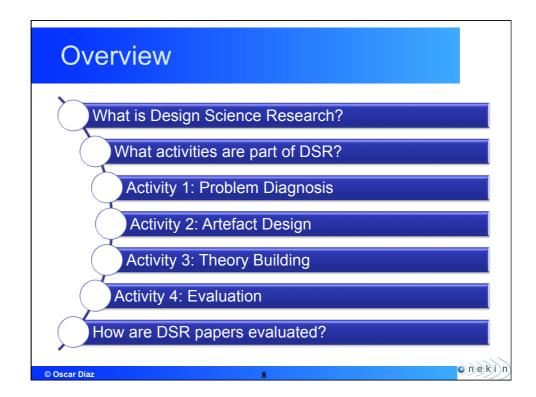
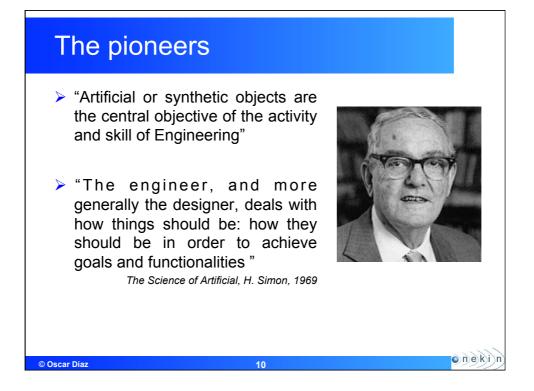
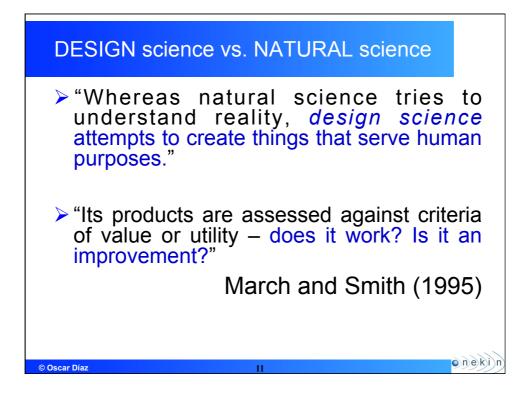
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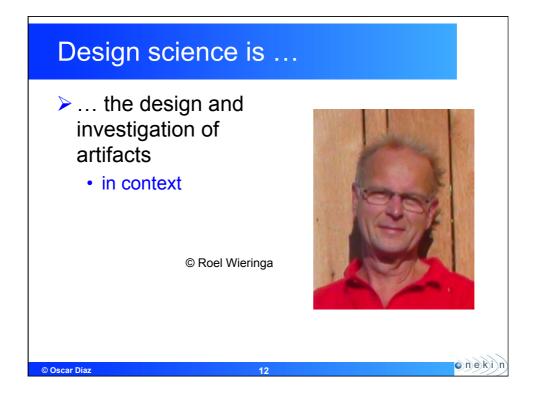


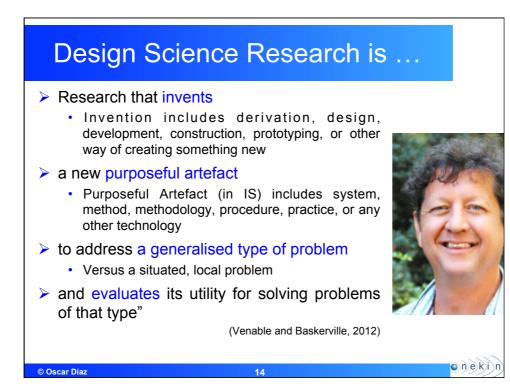


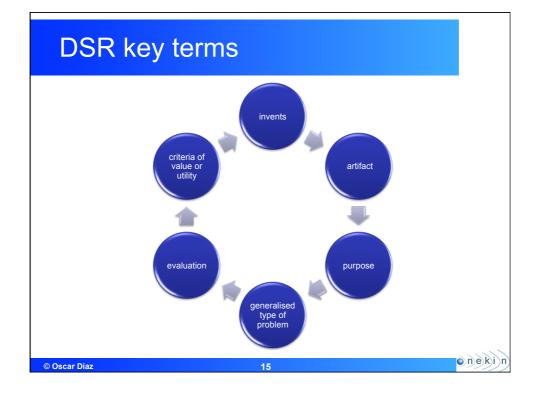


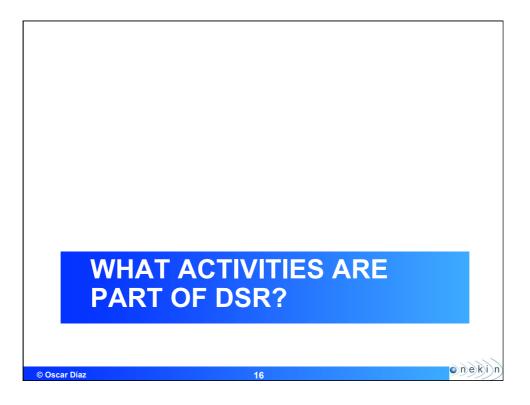


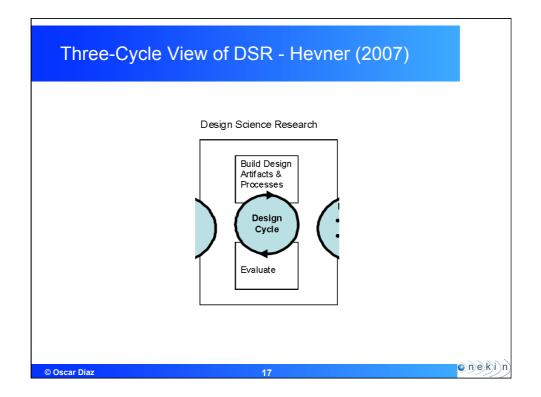


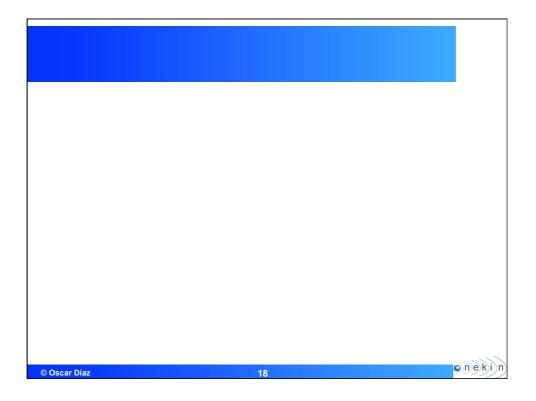


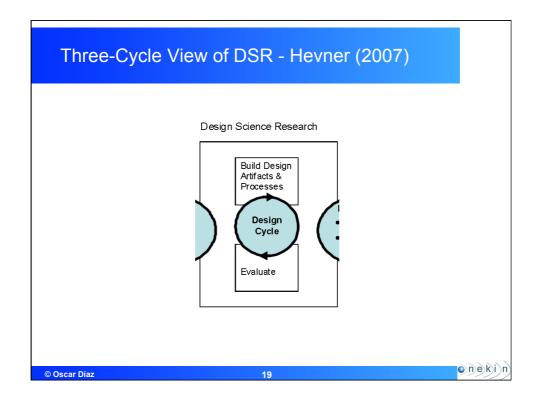


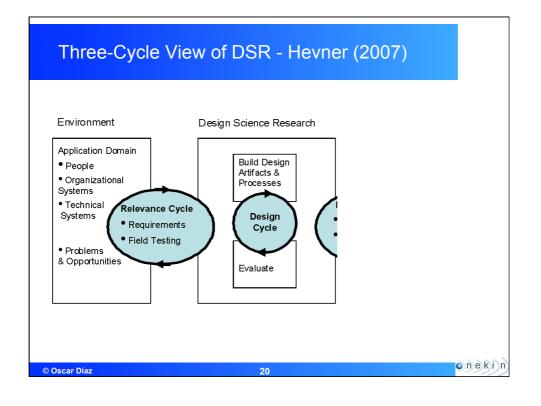


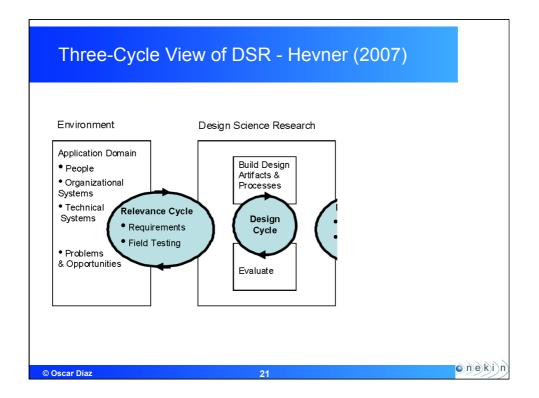


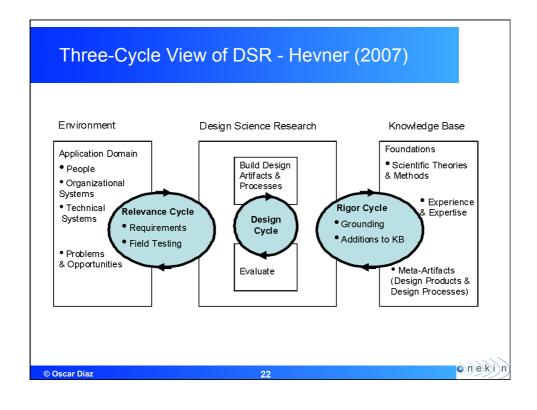


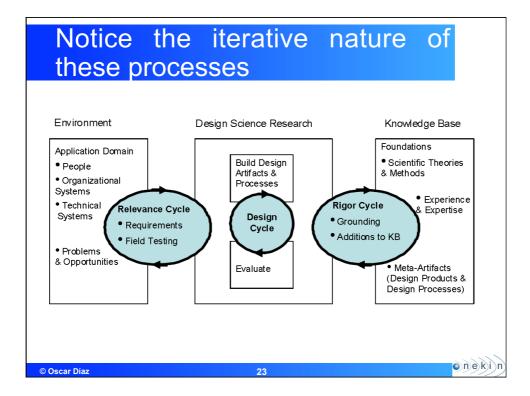


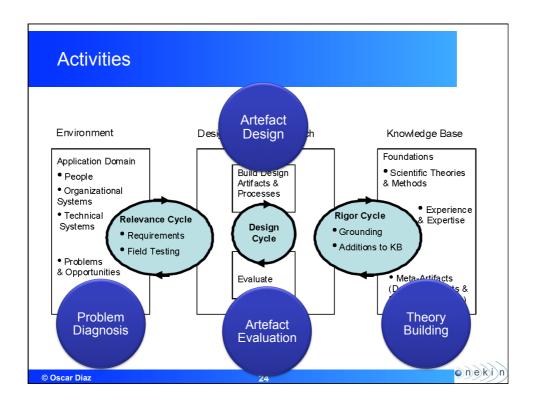


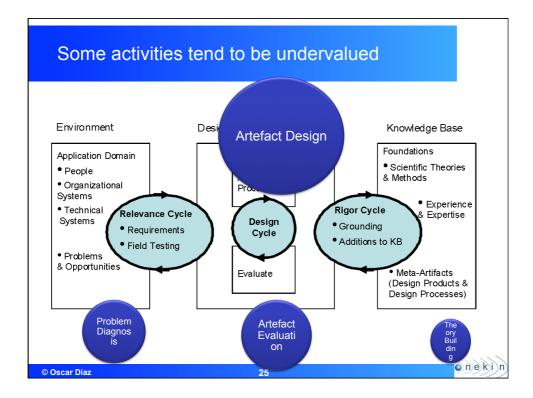


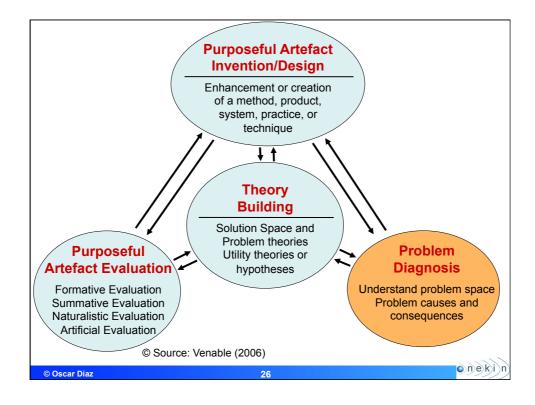


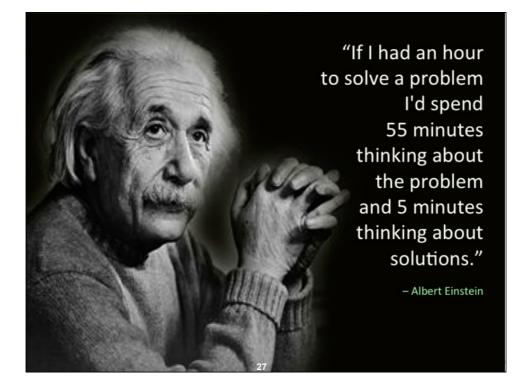


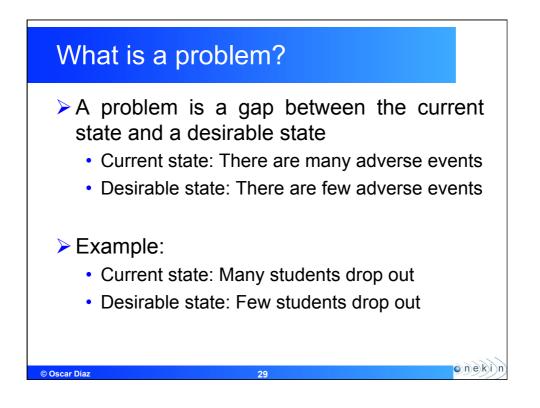


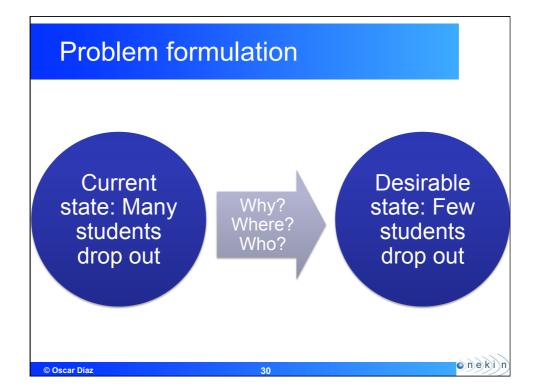


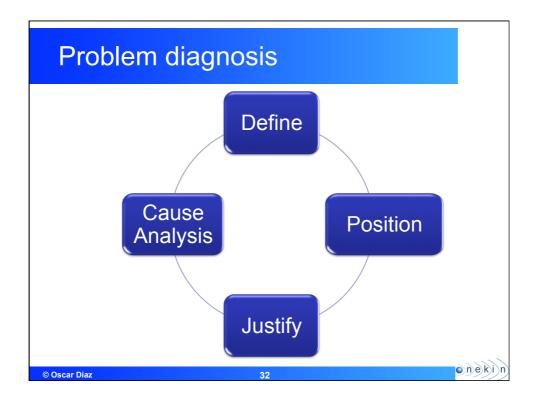


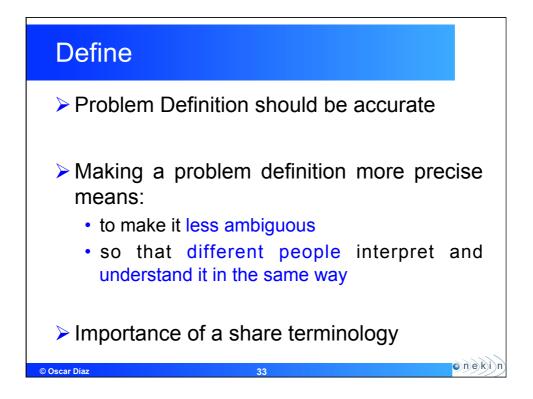


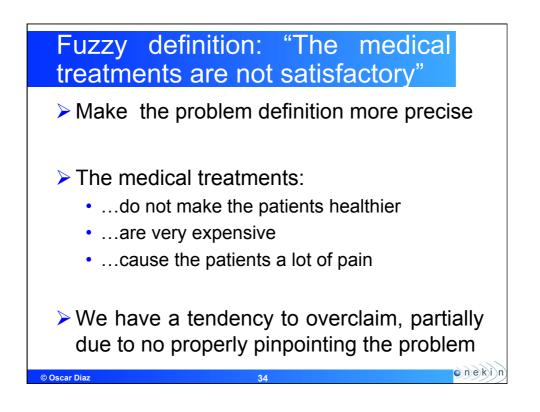


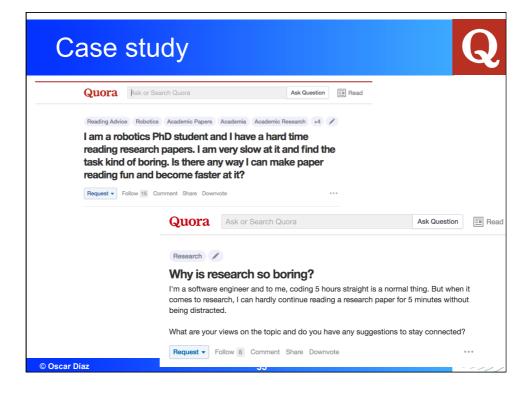


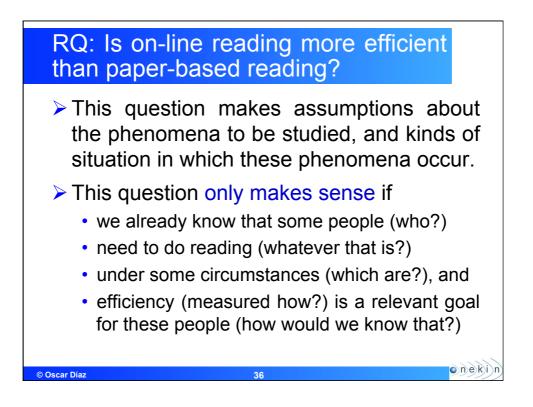


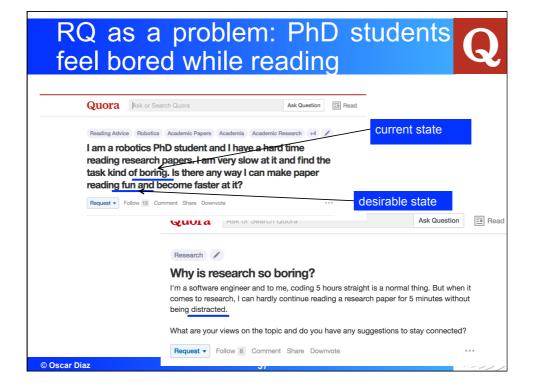


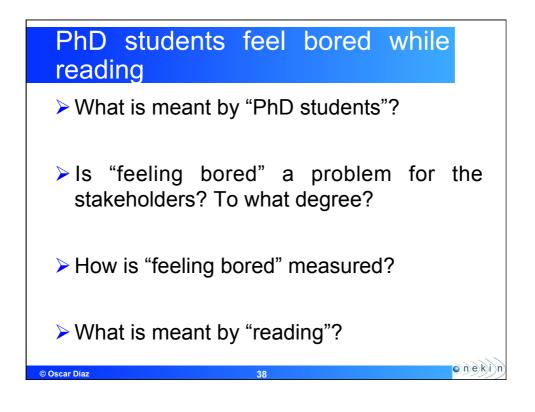


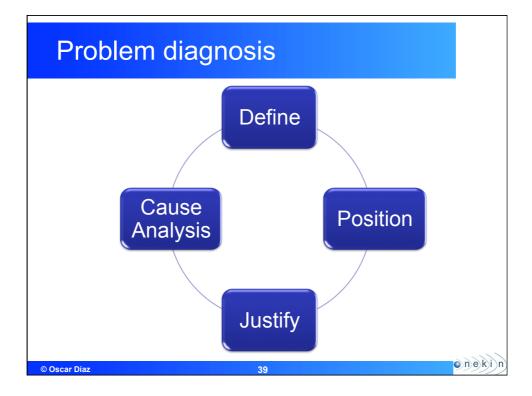


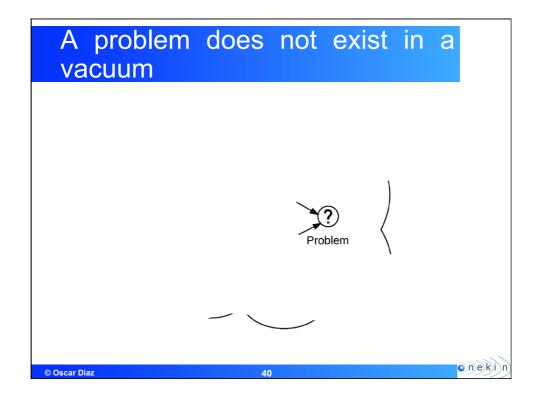


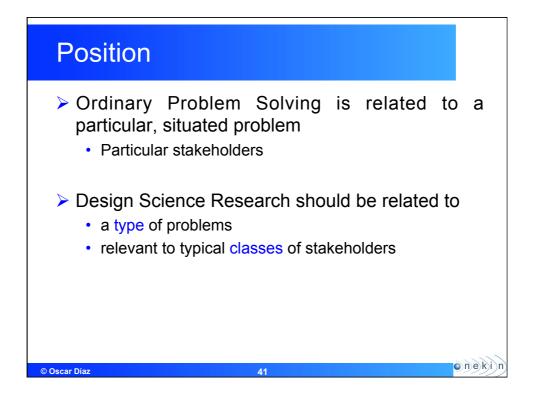










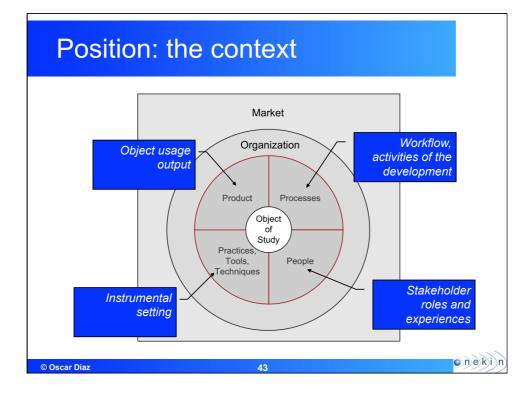


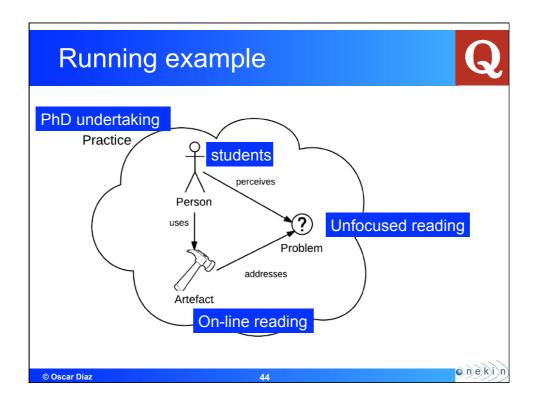
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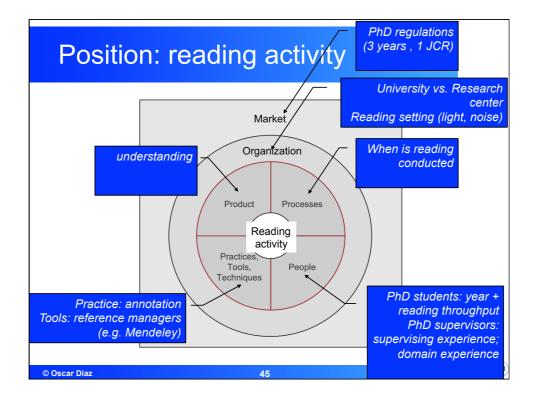
Position: the context

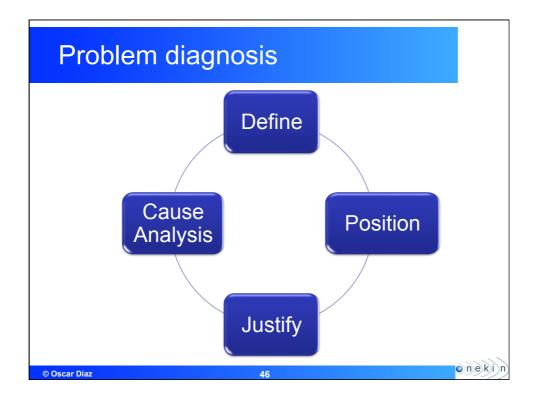
© Oscar Díaz

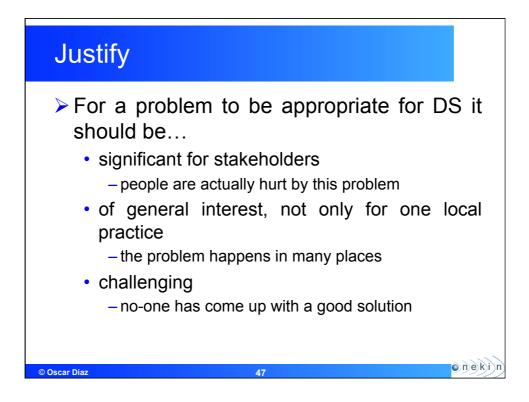
- To judge whether a specific solution can be successful it is necessary to describe the context as complete and accurate as possible for the considered "type of problems"
 - · In which practice does the problem appear?
 - · Who are the stakeholders of the practice?
 - · What is the environment of the practice?

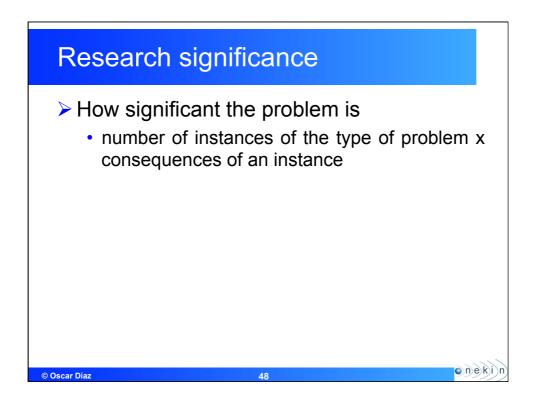


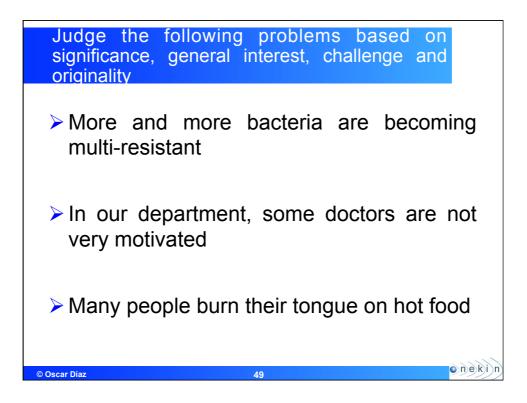


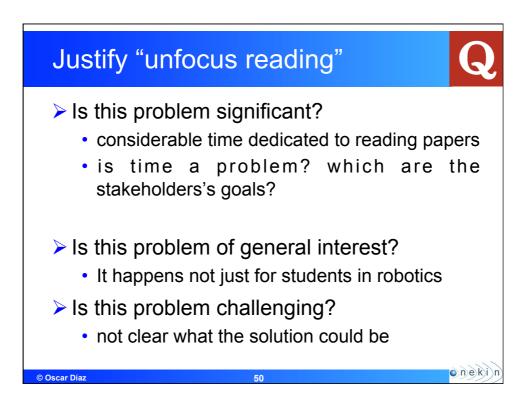


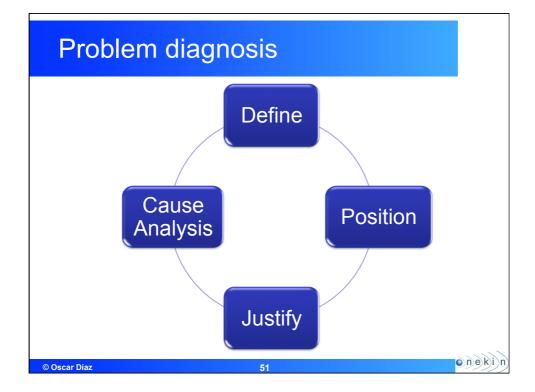


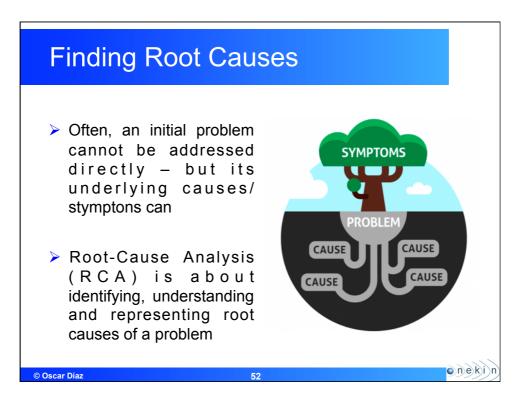


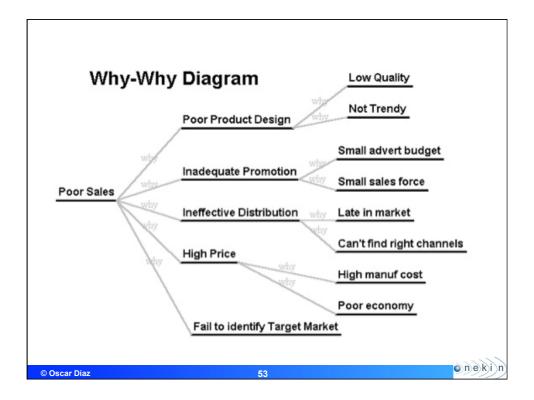


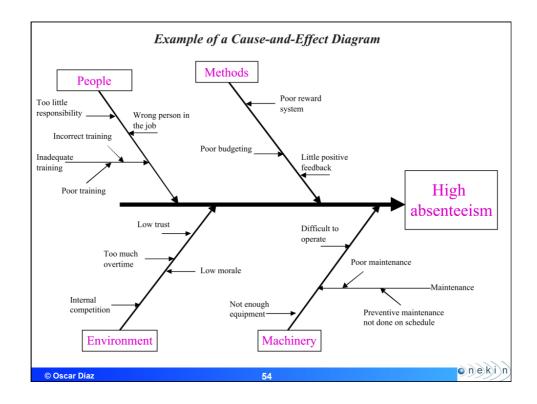


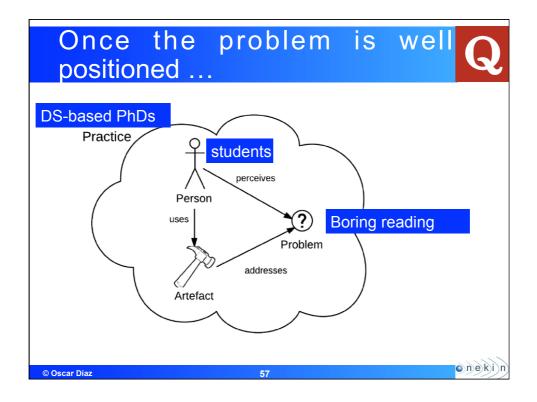


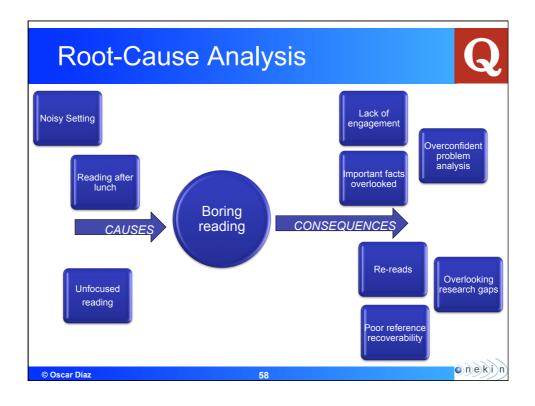


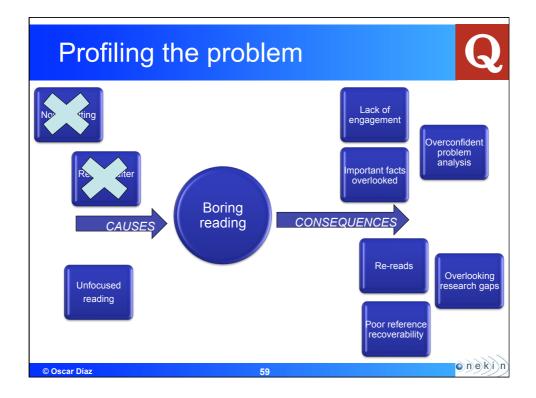


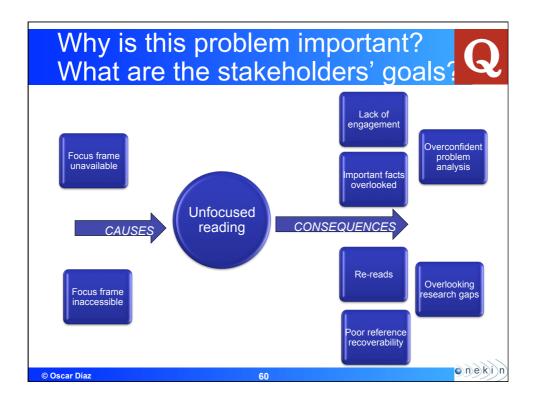


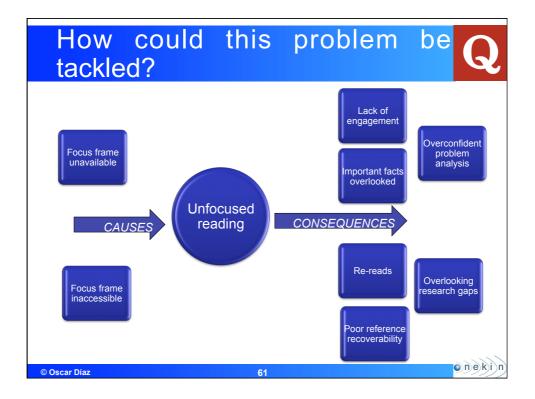


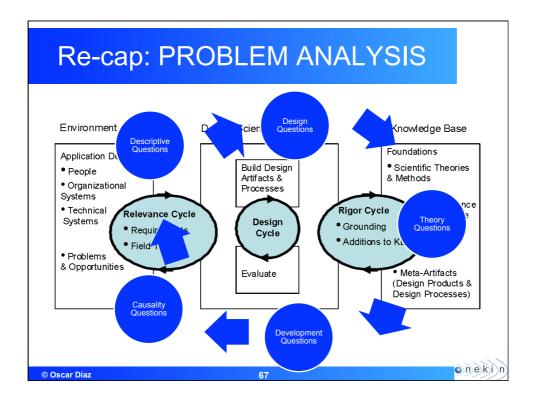


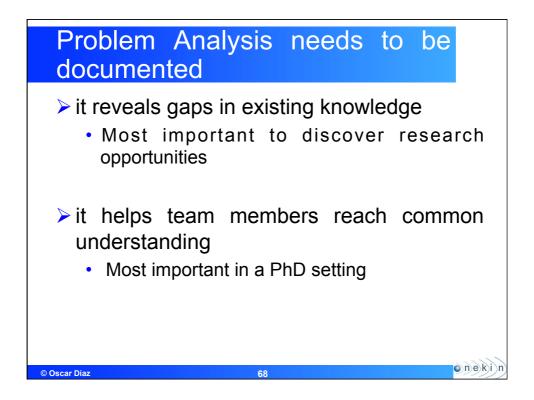


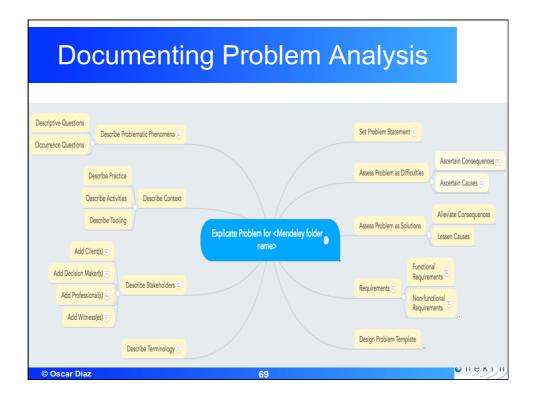


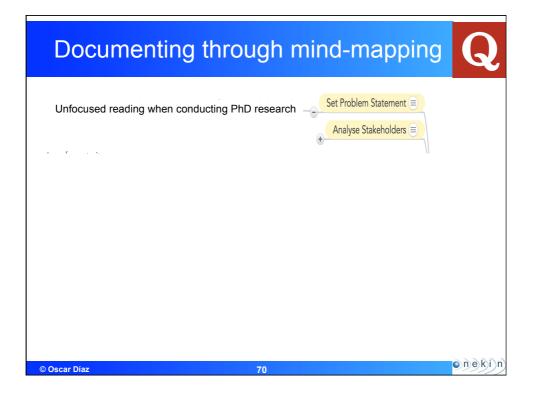


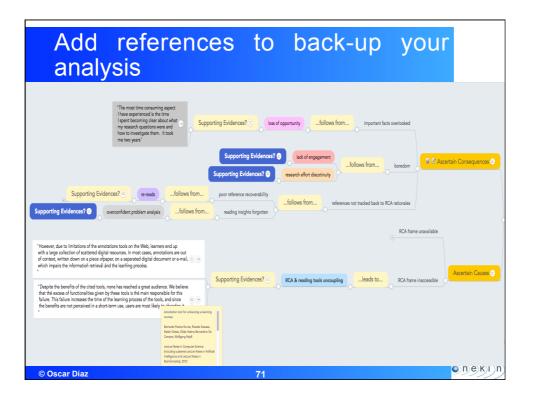


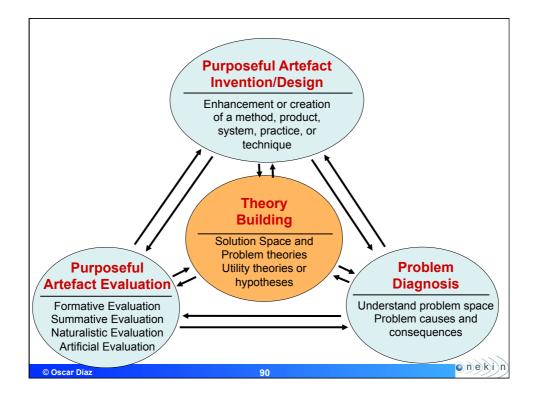


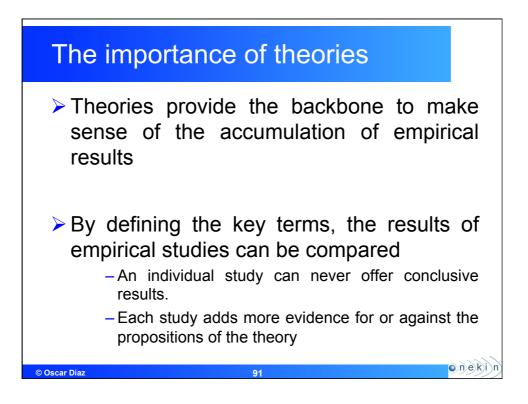


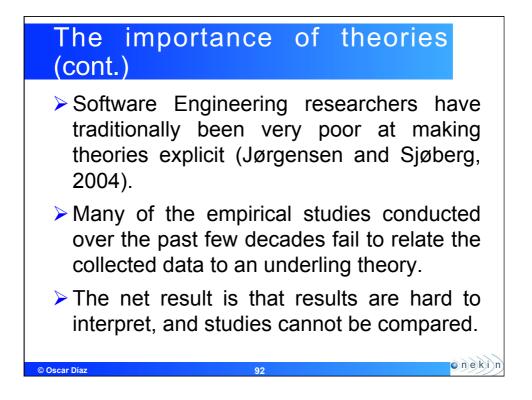


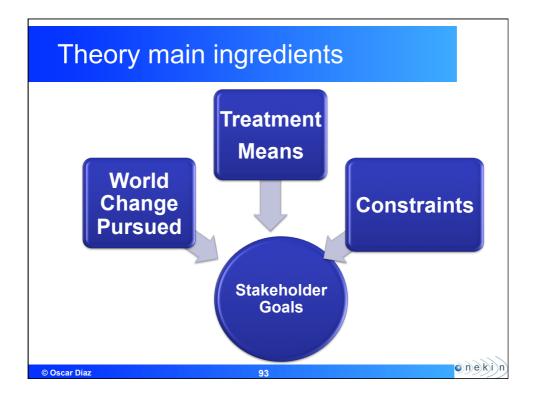


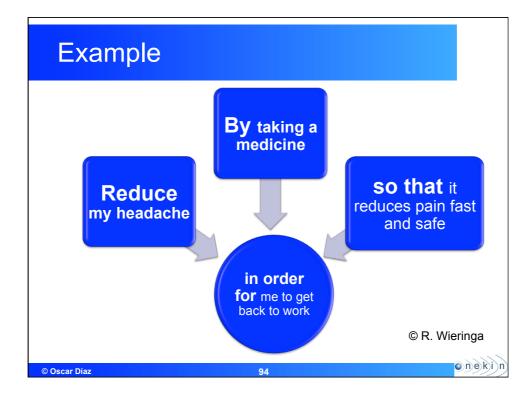


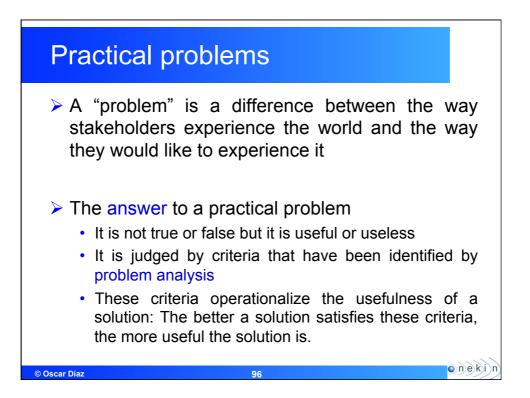




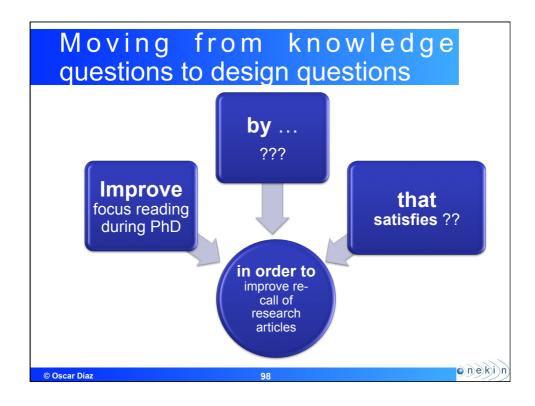


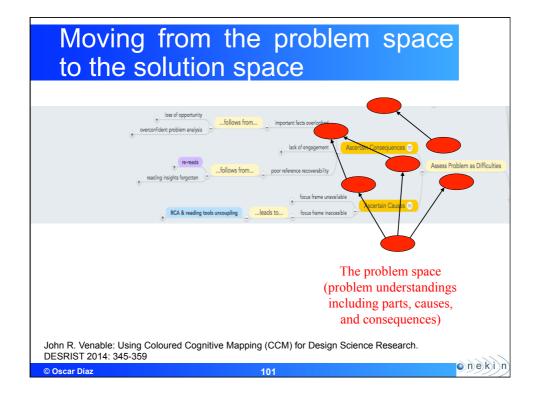


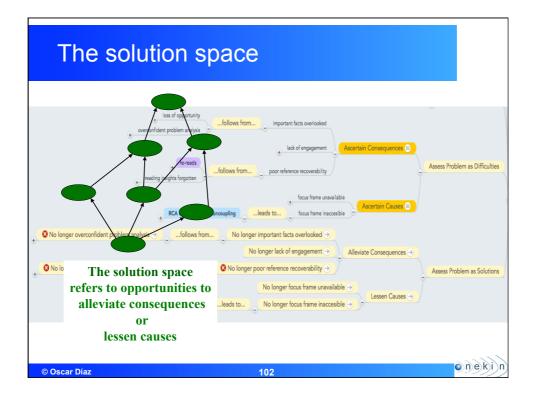


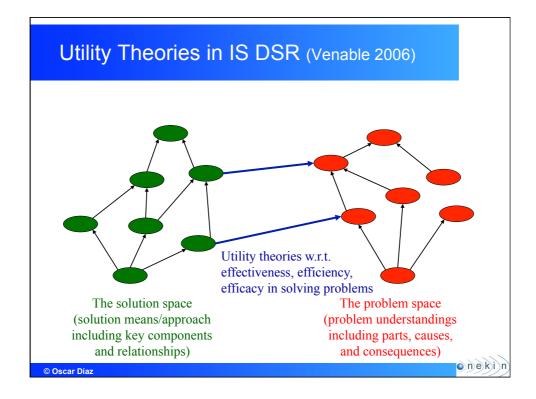


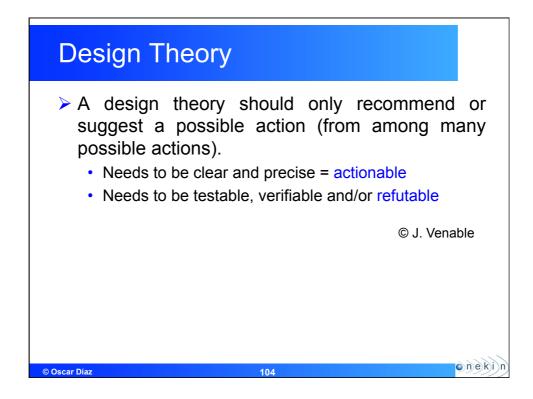
Knowledge problems	Practical problems
Find truth	Do something useful
Avoid interference with the world	Interfere with the world
Goal is knowledge	Goal is change in the world
Any change in the world is a side-effect (to be minimized)	Any knowledge gained is a side-effect (to be cherished)
Ethical rules not applied to the answer	Ethical rules are applied to the answer
(unpleasant, revolting and offensive	(If you change the world you are
truths are still truths)	accountable for what you do)







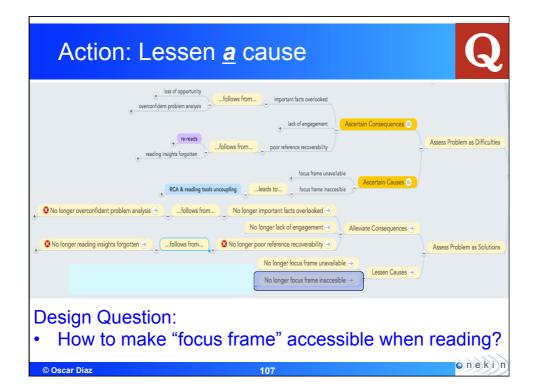


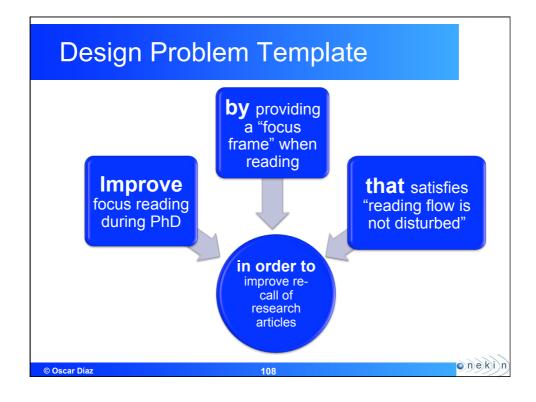


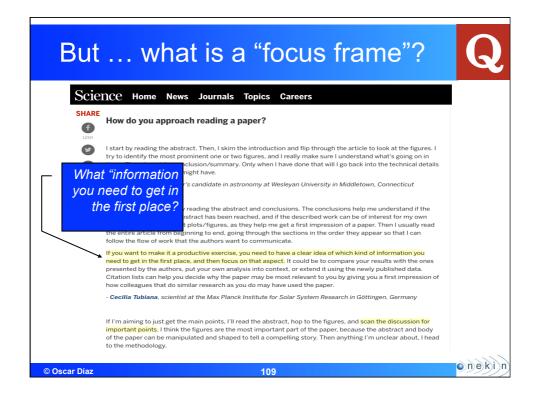


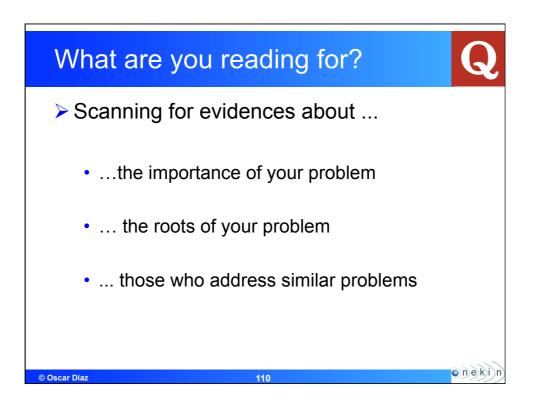
University of the Basque Country Computing Science Department, San Sebastián (Spain)

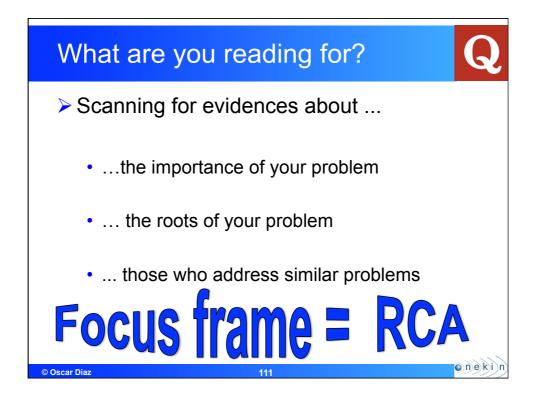




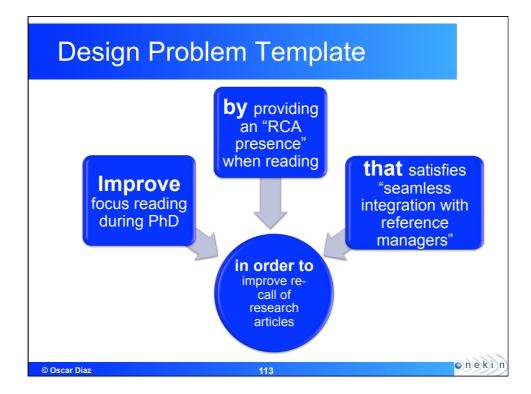


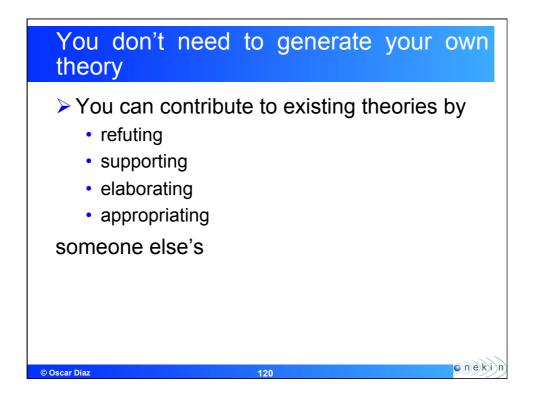


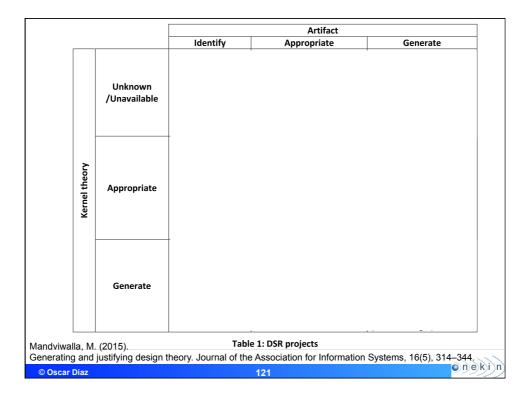




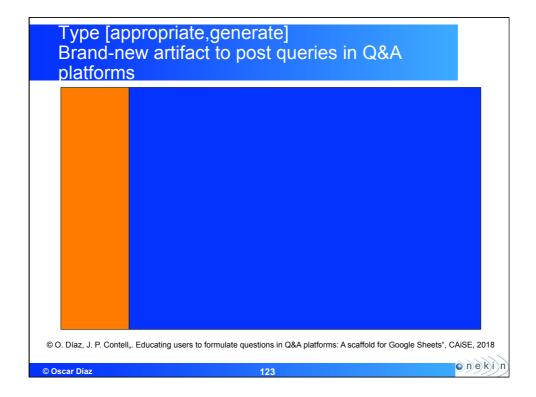


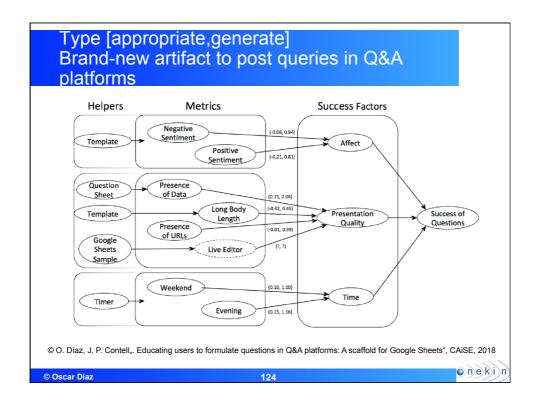


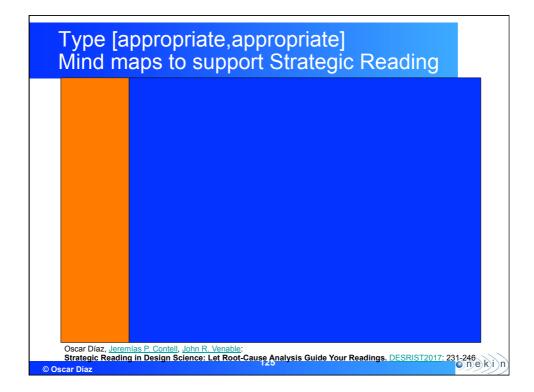


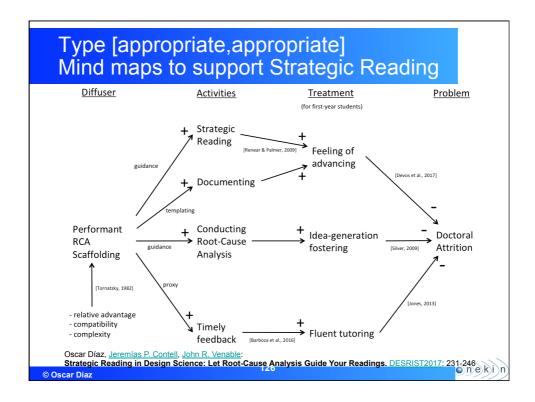


		Artifact		
		Identify	Appropriate	Generate
	Unknown /Unavailable	Type I Exploratory research to identify what is important about an artifact (e.g., ethnographic study on how firms use Facebook)	Type IV Apply interesting artifacts to specific problems and look for explanations later (e.g., apply consumer social media inside a business)	Type VII Invent new artifacts and look for explanations later (e.g., invent a new kind of group support system)
Kernel theory	Appropriate	Type II Formal evaluation of artifacts using specific theories (e.g., apply cognitive learning theories to evaluate the ease of use of Windows 8)	Type V Investigate the appropriation of specific artifacts and associated explanations (e.g., customize social media to higher education and explain using cognitive learning theory)	Type VIII Create artifacts that apply specific theories (e.g., create a new kind of social networking platform by applying and adapting social capital theory)
	Generate	Type III Develop concepts to explain specific artifacts (e.g., explain the impact of blogging on politics)	Type VI Adapt artifacts and create explanations (e.g., propose how social media can be appropriated to higher education; propose concepts to explain use)	Type IX Create new artifacts and explanations (e.g., propose a new system for academic peer review; propose new concepts to explain the process changes)
alla, I	VI. (2015).	Tabl	e 1: DSR projects	
		theory. Journal of the	e Association for Information	
ar Díaz			122	<u> </u>

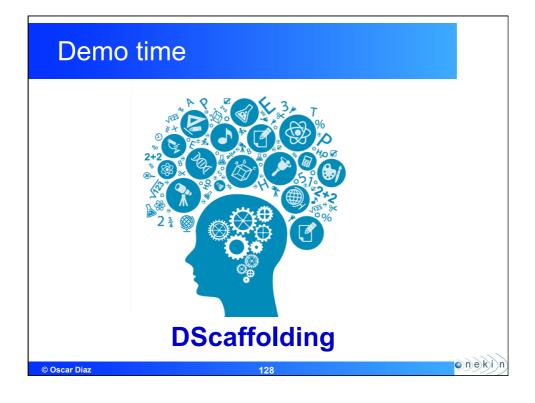


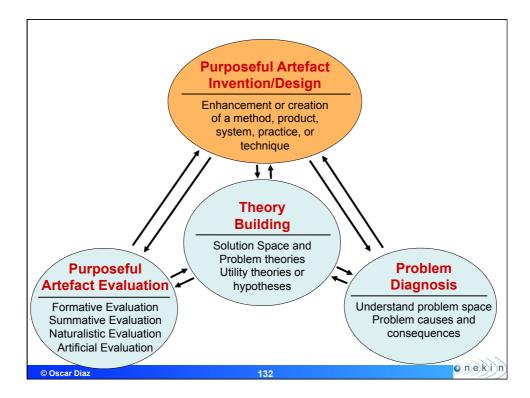




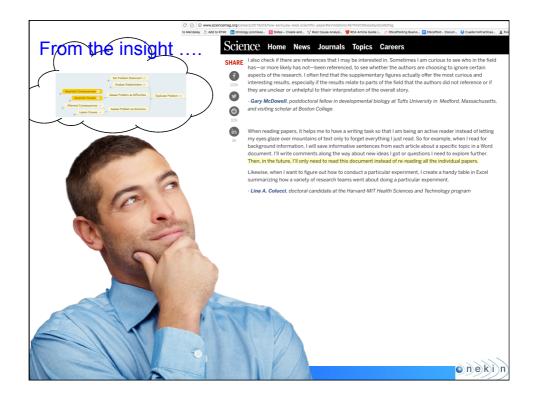


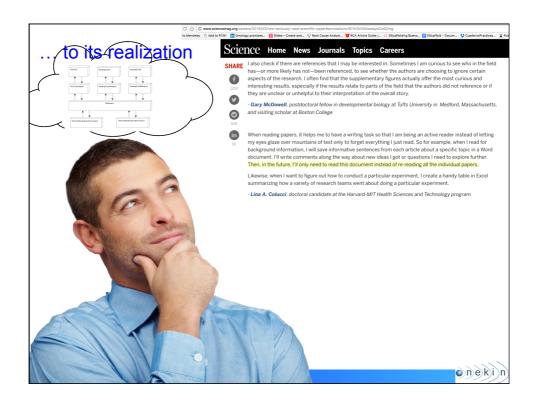
Rela	ated Work & Kernel Theories	
RCA presence when reading O	Who else addresses it? "What makes SpreadCrumbs unique is that the annotated pages are not simply a loose collection, but the resources become interconnected. Images are not simply a loose collection, but the resources become interconnected. Each annotation is associated with links that can be followed from the crumb: the user Images are not simply a loose collection, but the resources become interconnected. Each annotated with links that can be followed from the crumb: the user Images are not simply a loose collection. The active role of the teacher is fundamental to the teaching-learning the teacher is fundamental to the teaching-learning teacher is fundamental to the teaching-learning teacher is fundamental to the teacher is	n process. The
	How are you going to address it? How are you going to address it? Mind maps Lustificatory Knowledge The active role of the teacher is fundamental to the teaching-learning time of feedback is stressed as a preponderant factor for student to the active role of the teacher is fundamental to the teaching-learning time of feedback is stressed as a preponderant factor for student to the active role of the teacher is fundamental to the teaching-learning time of feedback is stressed as a preponderant factor for student to the active role of the teacher is fundamental to the teaching-learning time of feedback is stressed as a preponderant factor for student to the active role of the teacher is fundamental to the teaching-learning time of feedback is stressed as a preponderant factor for student to the active role of the teacher is fundamental to the teaching-learning time of feedback is stressed as a preponderant factor for student to the active role of the teacher is fundamental to the teaching-learning time of feedback is stressed as a preponderant factor for student to the active role of the teacher is fundamental to the teaching-learning time of feedback is stressed as a preponderant factor for student to the active role of the teacher is fundamental to the teaching-learning time of feedback is stressed as a preponderant factor for student to the active role of the teacher is fundamental to the teacher is fundamenta	feel lis-tened to.
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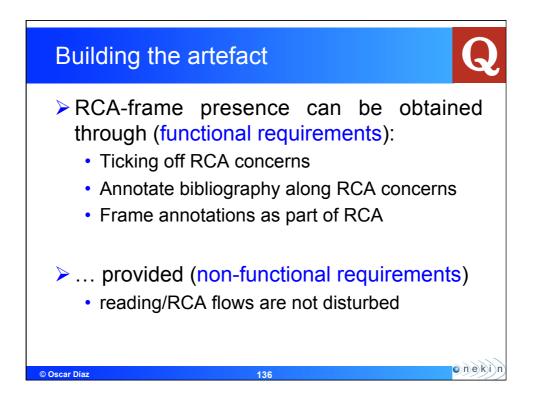


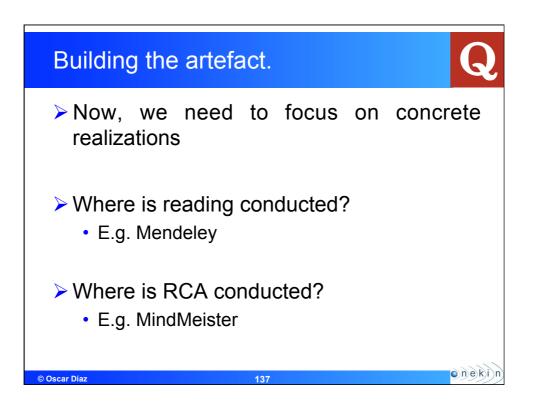


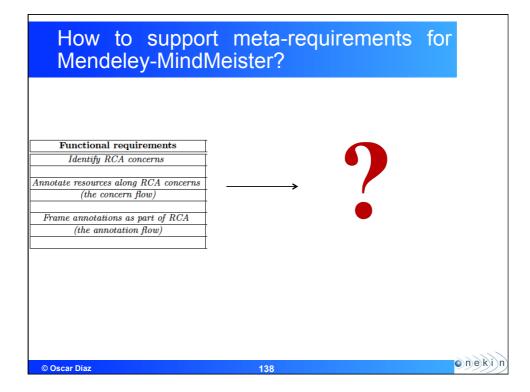
Design Artifacts	Description
Constructs	The conceptual vocabulary of a domain
Models	Sets of propositions or statements expressing relationships between constructs
Methods	Sets of steps used to perform tasks (how-to knowledge)
Instantiations	Situated implementations in certain environments that do or do not operationalized constructs, models or methods.



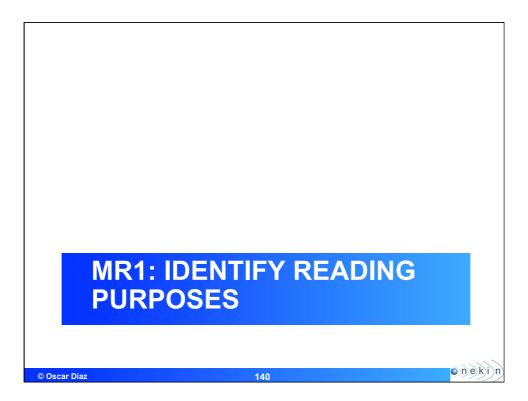


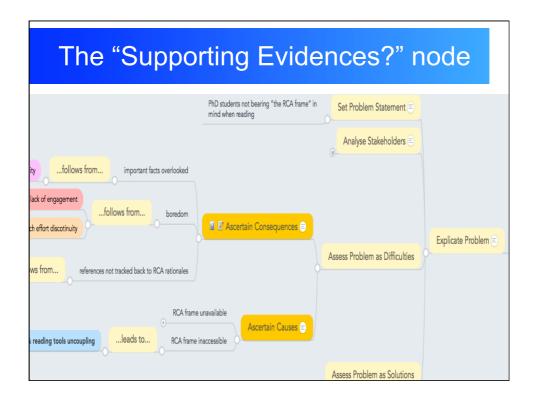


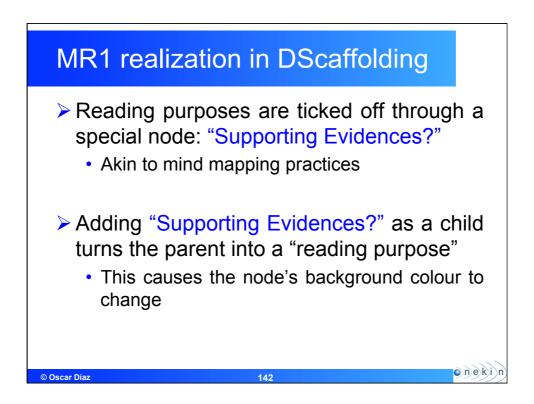




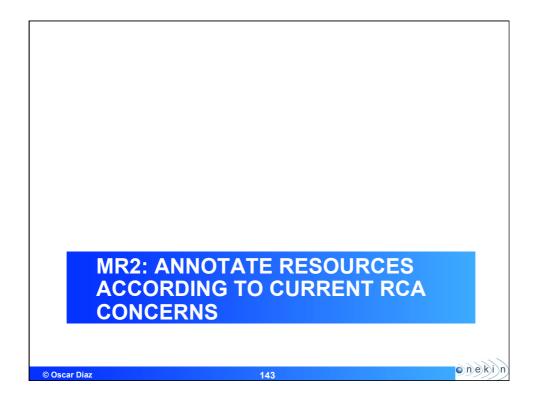


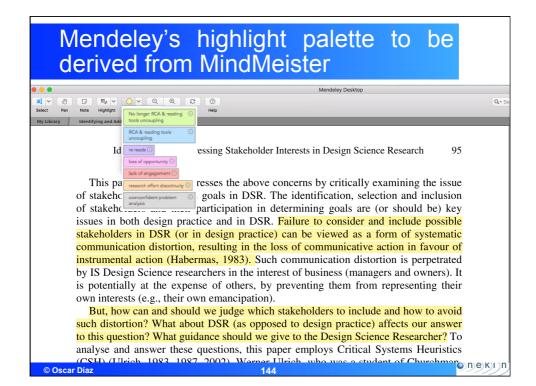


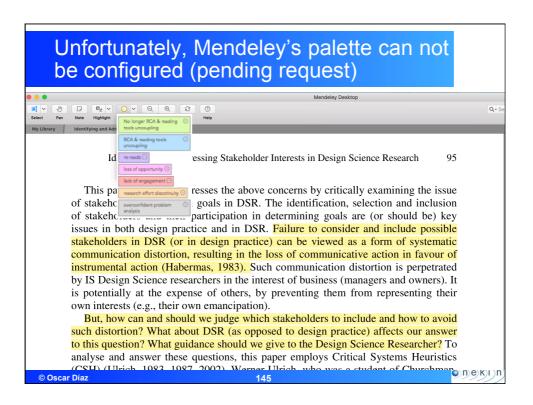


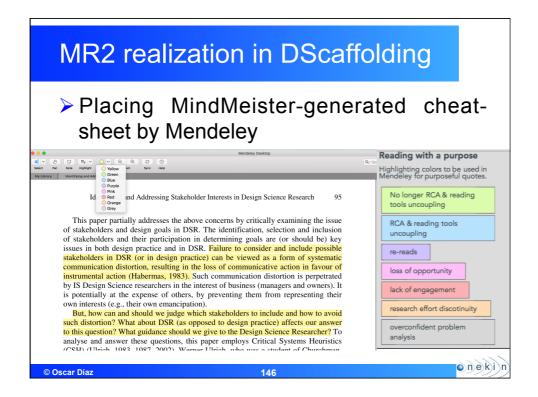


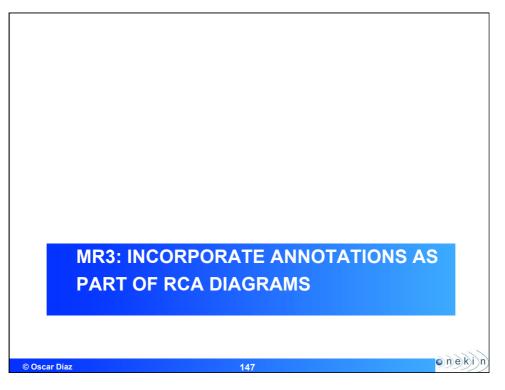


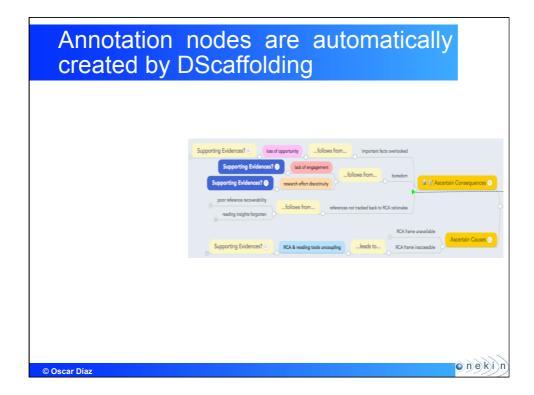




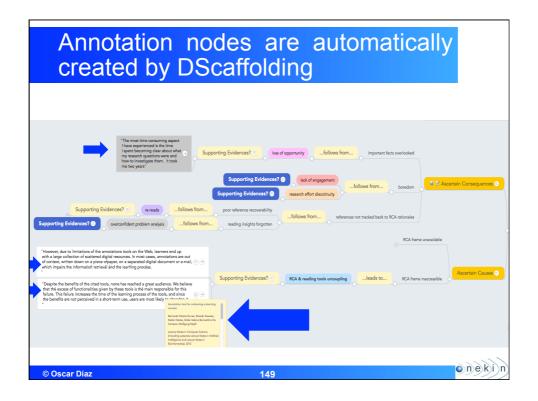


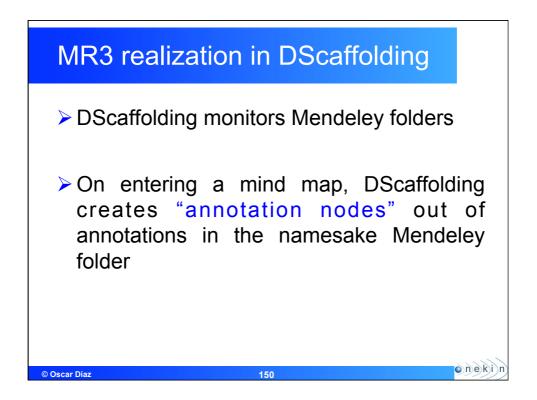




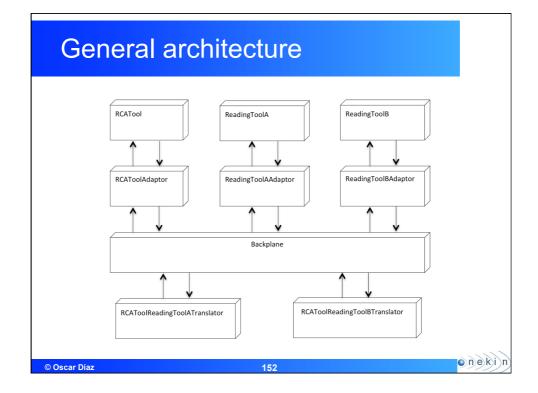


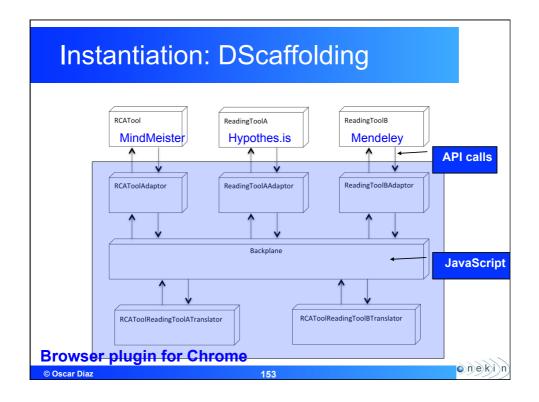
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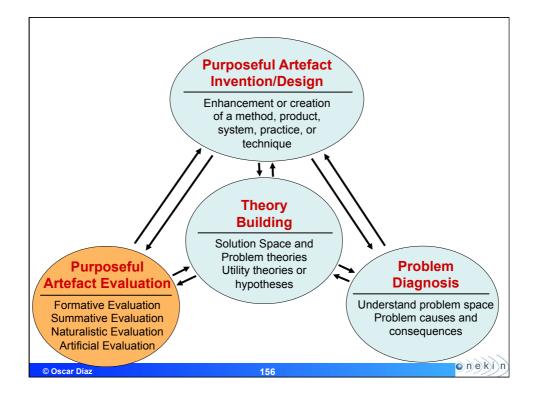




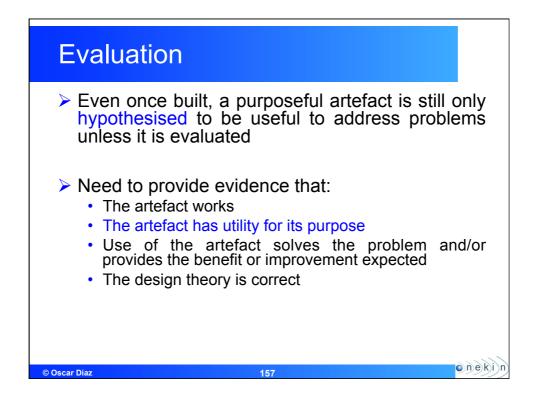
Functional Meta-requirements	DScaffolding Features
	"Supporting Evidences?" node
MR1: Identify RCA concerns	"Who else addresses it?" node
MR2: Annotate resources according to cur-	Concern cheat sheet
rent RCA concerns (the purpose pipe)	Right mouse context menu for concerns
	"Annotation" node
MR3: Incorporate annotations as part of RCA (the annotation pipe)	Background colour & icons used to capture "the quality of the annotation"
	Tracking of annotation repositories

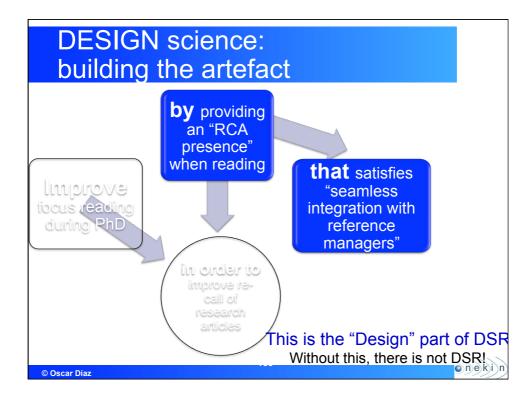


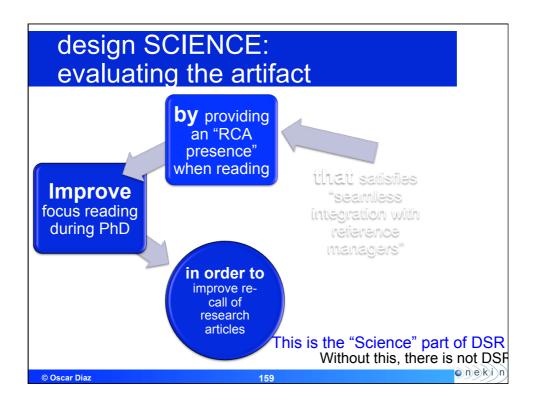


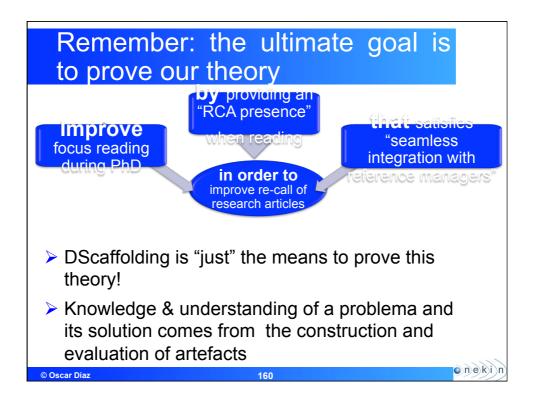


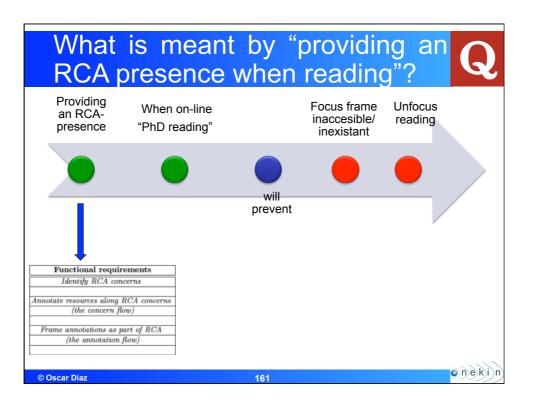
University of the Basque Country Computing Science Department, San Sebastián (Spain)





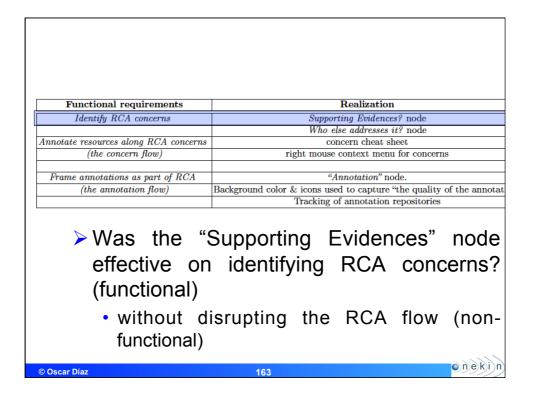






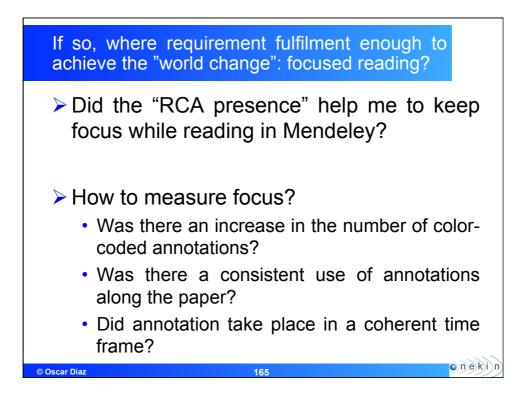
How have these requirements been G

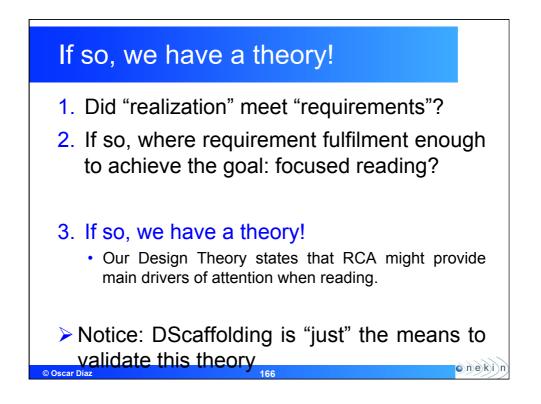
Functional requirements	Realization
Identify RCA concerns	Supporting Evidences? node
	Who else addresses it? node
Annotate resources along RCA concerns	concern cheat sheet
(the concern flow)	right mouse context menu for concerns
Frame annotations as part of RCA	"Annotation" node.
(the annotation flow)	Background color & icons used to capture "the quality of the annotation
	Tracking of annotation repositories
	oneki

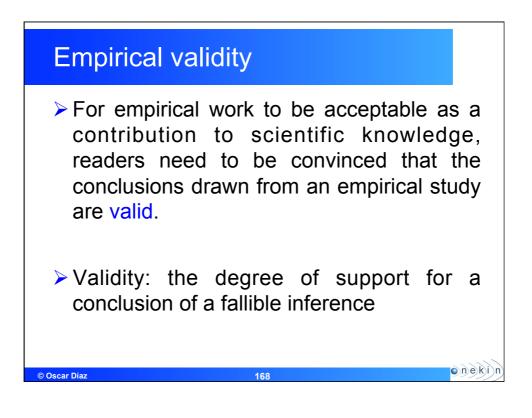


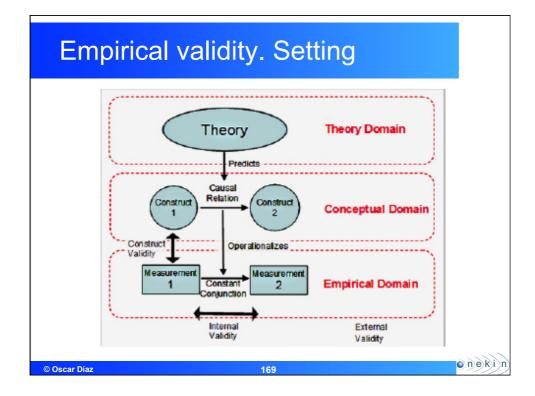
Functional requirements	Realization	
Identify RCA concerns	Supporting Evidences? node	
	Who else addresses it? node	
Annotate resources along RCA concerns	concern cheat sheet	
(the concern flow)	right mouse context menu for concerns	
Frame annotations as part of RCA (the annotation flow)	"Annotation" node. Background color & icons used to capture "the quality of the annotation Tracking of annotation repositories	
	cheat-sheet effective on papers along RCA concerns?	
(functional)	lisrupting the reading flow (non-functional)	
© Oscar Díaz		

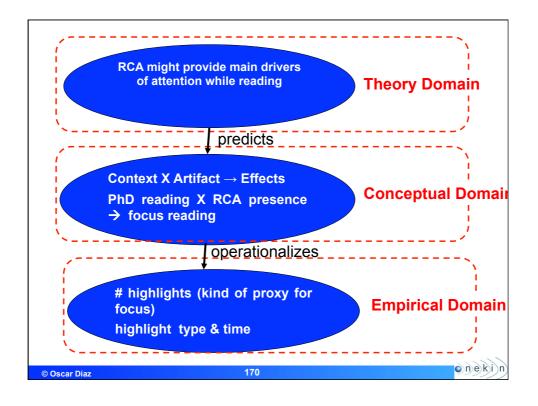
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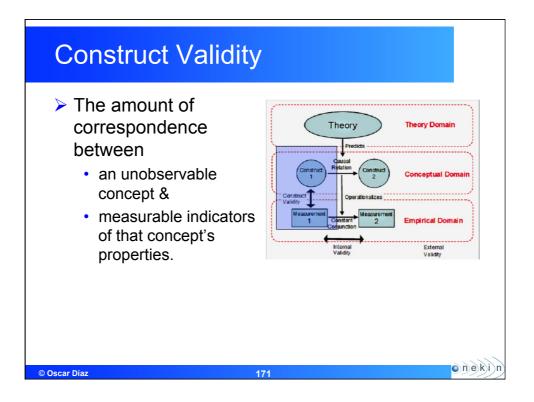


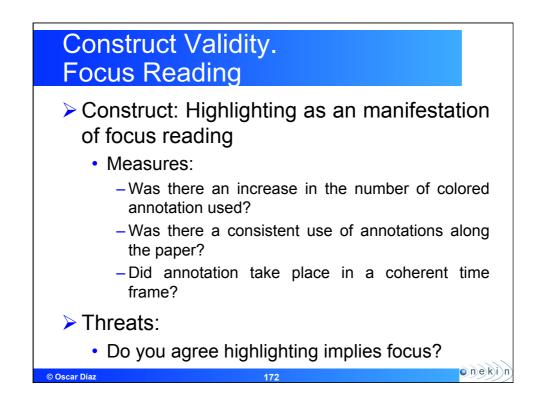


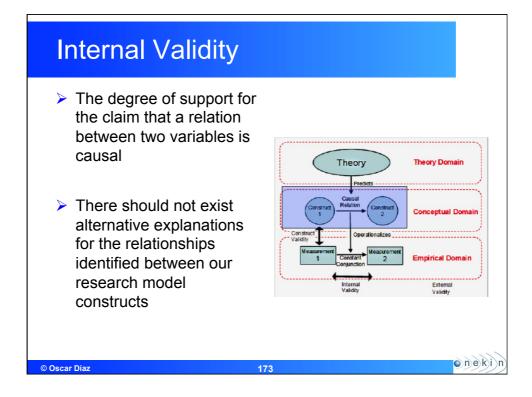


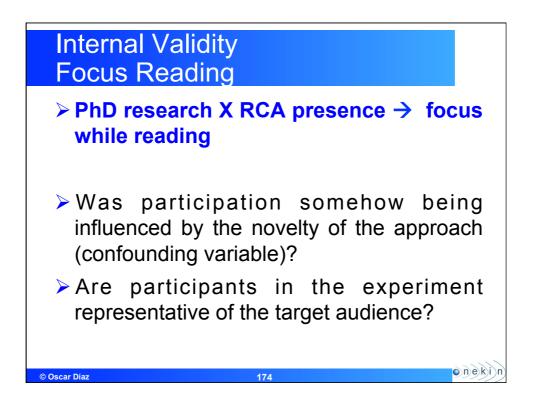


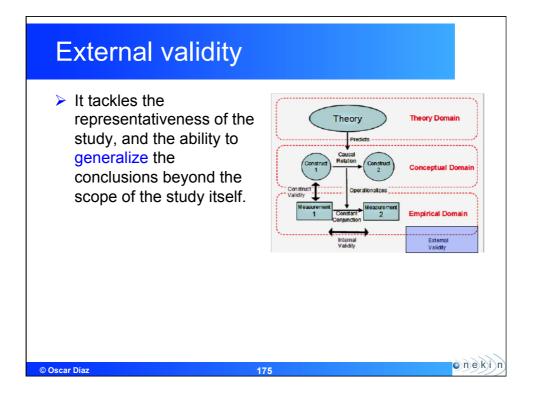


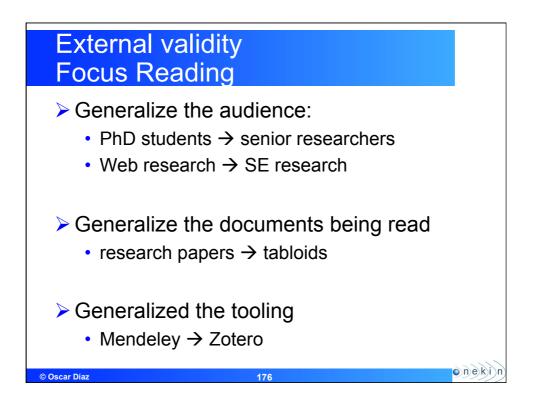


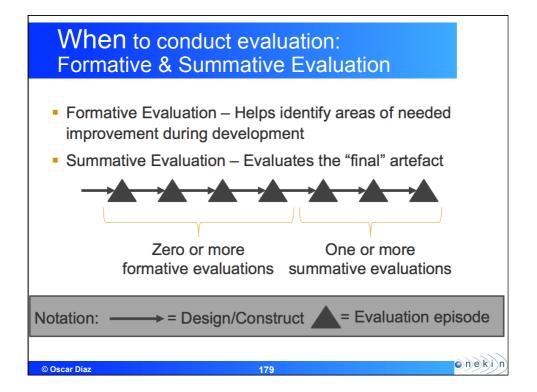


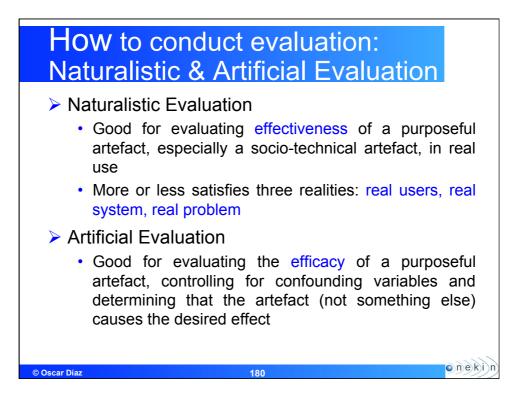


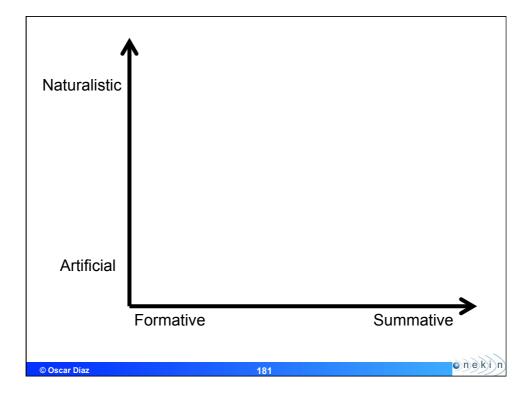


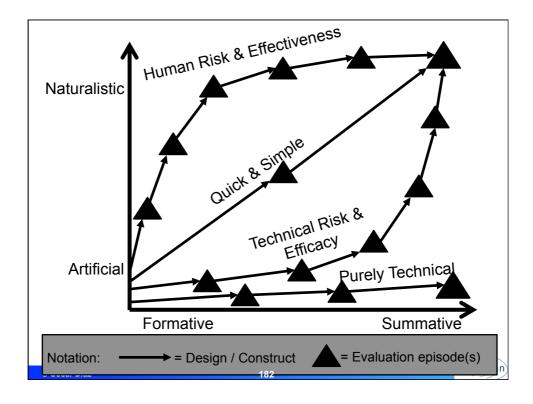


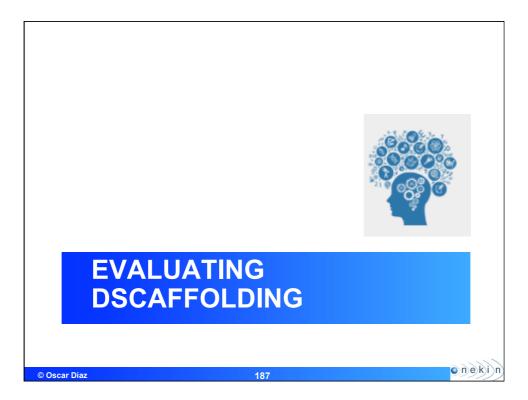


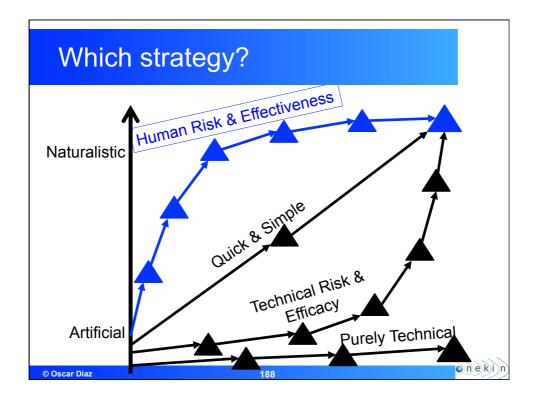


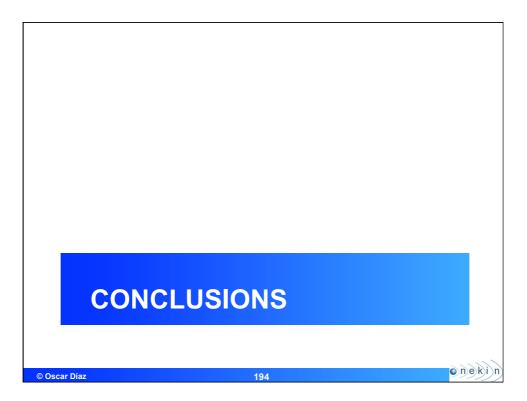


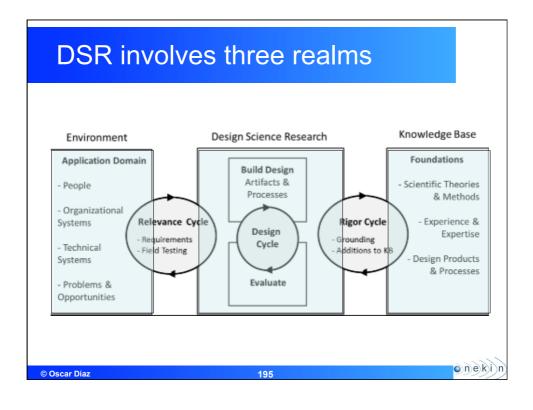


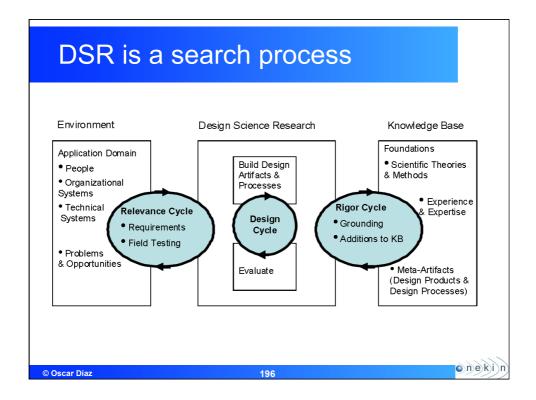












Evaluation	criteria for	research	papers
			papere

Evaluation object	Relevant evalution questions
1. Design of an artefact	Produce the research an it-artefact, that includes a construct, a model or an instantiation.
2. Problem relevance	Is the research problem and objective of the it-artefact important? Is the it- artefact or solution relevant business problem?
3. Design evaluation	Could the results be verified? Are the evaluation method rigorous and well-defined? Is the utility, quality and efficacy rigorously demonstrated?
4. Research contribution	Is there a contribution?Is it significant? Is the contribution timely interest?
5. Research rigor	Are the results correct? Are the all technical detail correct? Are they sensible?
6. Design as a search process	Are the researchers utilized available means? Do the results satisfy laws on the problem environment?
7. Communication of research	Are the appropriate conclusions drawn from the results? Can the paper be understand? Is it clearly written? Is the results presented effectively both to the technology-oriented and management oriented audiences?



