1























A typical pan	er (academia or industry)
□ Validation i	Introduction [optional: Industry Scenario] Background on X Methodology, Modelling Language, Reasoning (if any) etc
 ❑ Survey of C ✓ 67% of Requ ✓ 13% have a ✓ My (old) papers 	NewX with "Built-in" Security Constructs Always new methodological steps, Sometimes new modeling constructs, Rarely new reasoning features Application of NewX to a (possibly industrial) scenario
 Almost no tra Opdahl et al.[In vs attack trees 	dition to empirically validate efficacy f. Softw. Tech.2009] two controlled experiments: misuse cases
 More papers in 	IS Literature

































































Empirical Ev	valuation of Efficacy of Design is difficult	
 ✓ 4 qualitative s customers, 10 	tudies over 4 years, 10 designers, 100+ participants, 6 observers	
✓ Evaluation ba	sed on an application scenario is a lot easier !!!	
Some high-l	evel results	
✓ Threat based	better than goal-based and problem-based	
✓ Graphics better	er for tasks involving brainstorming	
 less effective 	when systematic search is important	
U Want to join	the effort?	
✓ Sending partie	cipants?	
✓ Local "Experimentary Content of Conten	nent" course?	
□ More Info? •	http://securitylab.disi.unitn.it	







 Coordinator ✓ F. Massacci → Prof. @ UNITN Organizers (Organized the whole events) ✓ C. Sabroux → Prof. @ Paris Dauphine ✓ Y. Asnar → Post-doc in SRE ✓ A. Battocchi → Post-doc in cognitive sciences ✓ A. De Angeli → Prof. of HCI @ UNITN ✓ S. Perisi → IT Technician Observers (Recorded audio/data video) ✓ M.S. Tran → PhD student in SRE ✓ E. Paja → PhD student in SRE ✓ D. Nagaraj → Research Assistant ✓ A. Battocchi → organizer must also do menial jobs ✓ F. Massacci → I know I should just be a designer but just didn't have enough people Beta-Testers 	 February- 2011 Initial planning of the experiment with designers April 2011 Two days of Beta-testing of recoding and data collection procedures Prepare documents for case study Set-up IT collaboration tools May 12 - 2011 Record training by method designers May 15 – 2011 Debriefing with whole observer groups Make sure training material is on the web From May 13 to May 25 - 2011 Prepare for application day (questionnaire etc.) May 26-27 - 2011
 A. Philippov → PhD Student F. Dalpiaz → Post-doc in SRE F. Paci → Post-doc in Security 	 Way 26-27 - 2011 Record everything that happens, collects questionnaire and data, lead focus group May 29 - 2011 Debriefing of observers and organizers