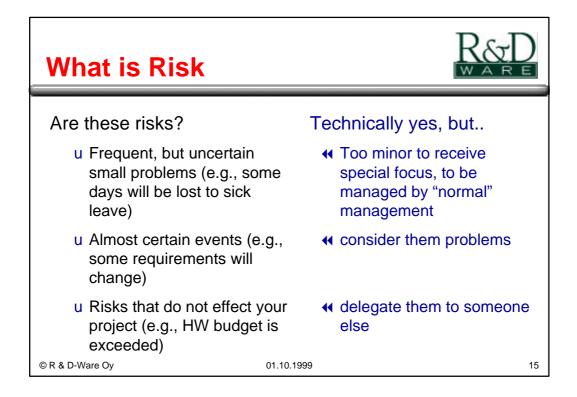
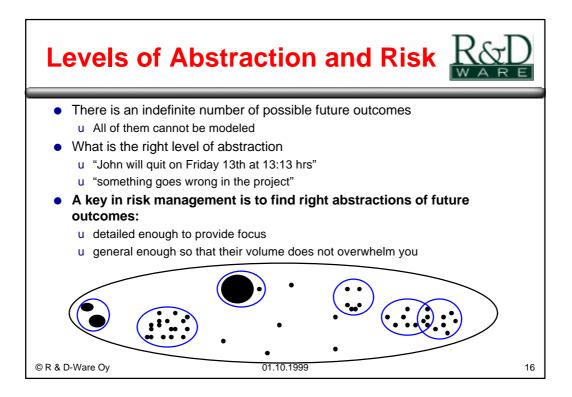
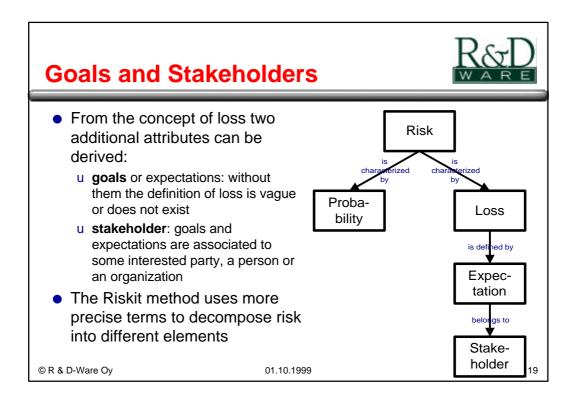
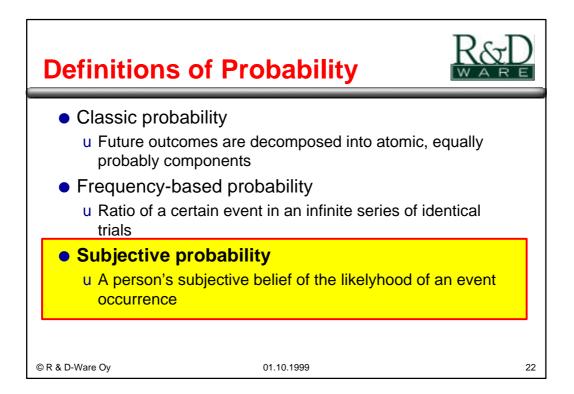


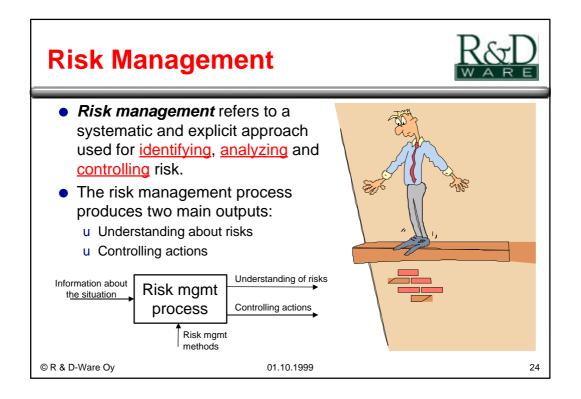
| hat is Risk?   | R&  |
|--|---|
| "We don't have a lot of experience in GUI"<br>"Requirements are unstable"                                      | Things that contribute to risk<br>Risk factors  |
| "Excessive time spent on GUI development"<br>"Requirements change"   | Things that happen<br>Risk events   |
| "GUI reworked"<br>"Extra development effort due to requirements<br>change"                                     | Consequences of things that<br>happened<br>Risk outcomes                                |
| "Project may be late and over budget"  | Effects of things that happen<br>on valued characteristics<br>Risk effects on goals     |
| "There is a 50% risk that Joe will quit before system testing phase"   | Probabilities of things that<br>could happen<br>Risk event probability                  |
| "The use of CASE tool XYZ is a risk in the project"<br>"It would be a risk to deliver the prototype too early" | Anything associated with risk<br>Action, person or object that<br>is associated to risk |
|  | · · ·   |

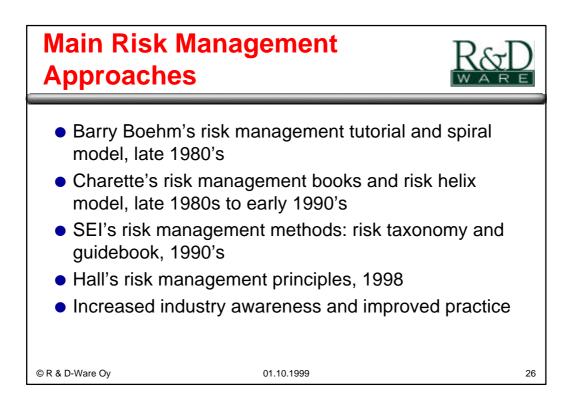


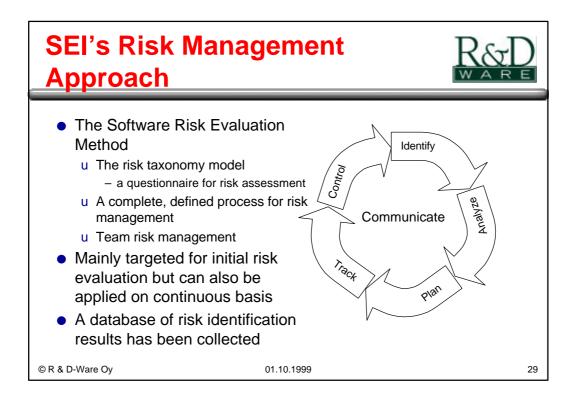


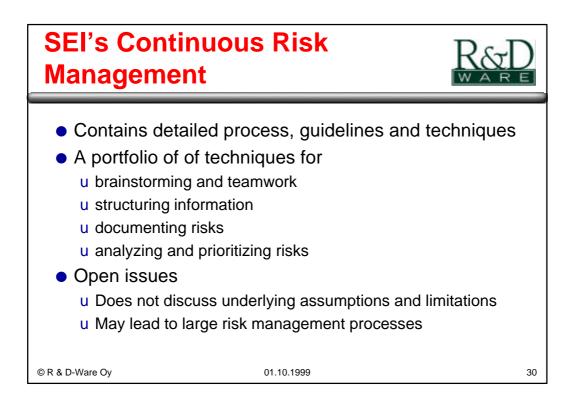


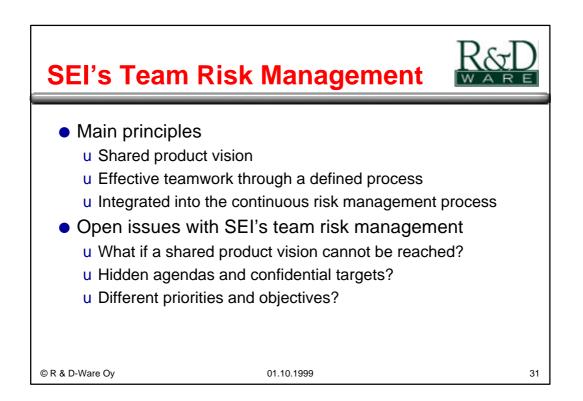


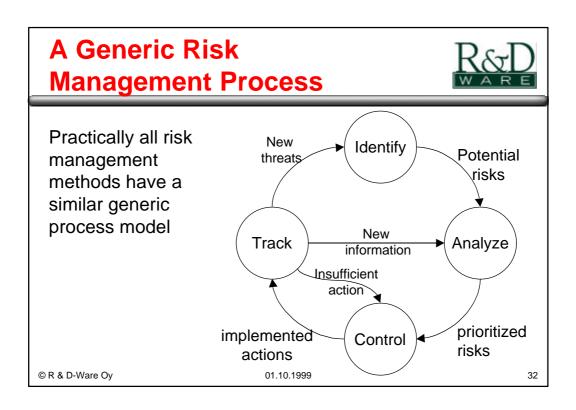


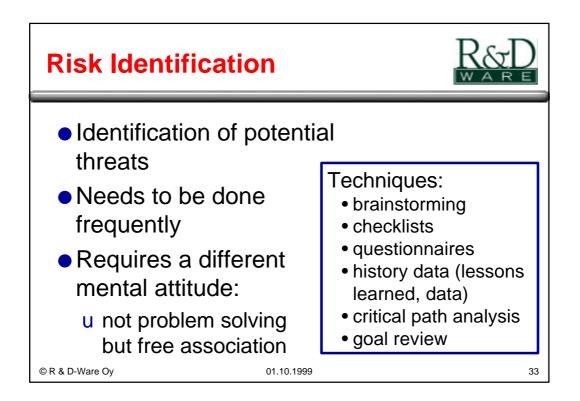


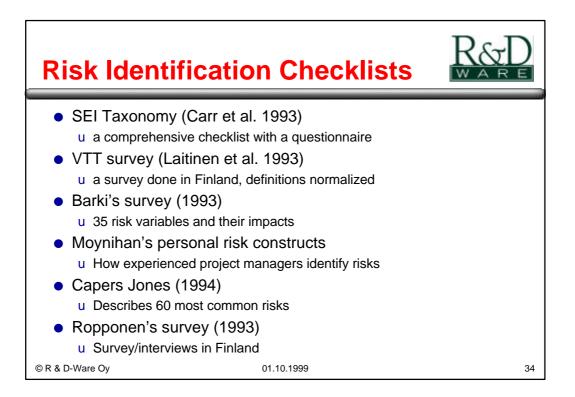




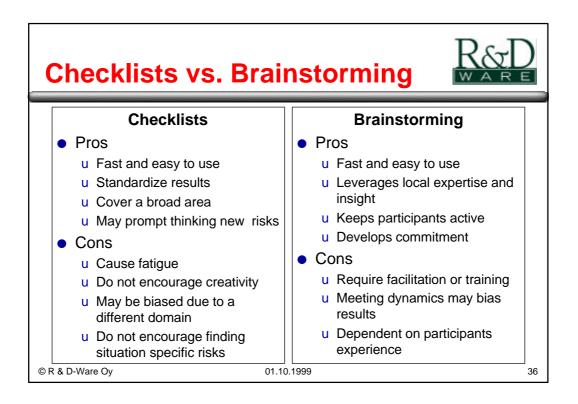


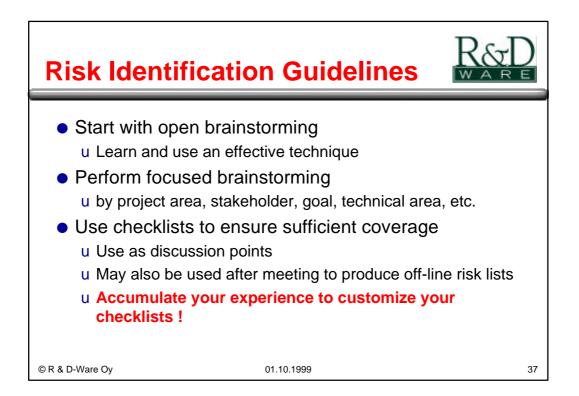


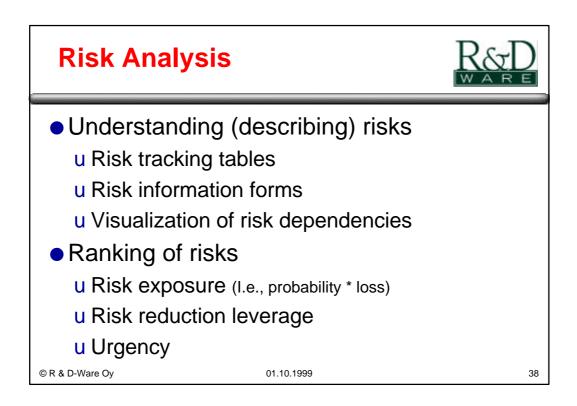


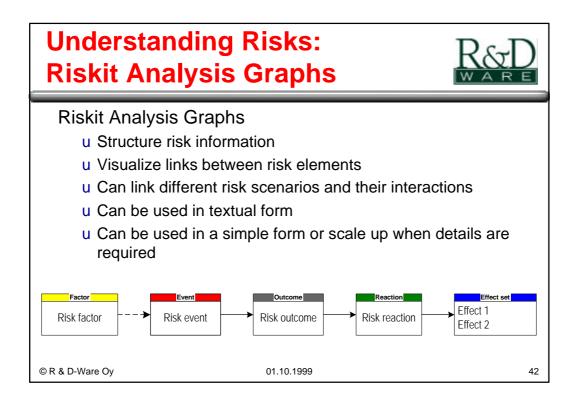


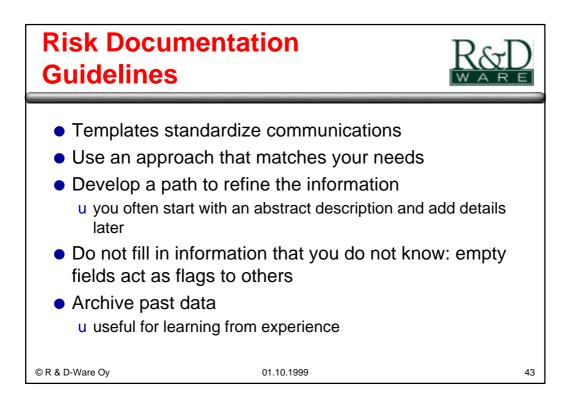
| A. Product Engineering                     | B. Development Environment                  | C. Program Constraints                    |
|--|---|---|
| 1. Requirements                            | 1. Development Process                      | 1. Resources                              |
| a. Stability                               | a. Formality                                | a. Schedule                               |
| b. Completeness                            | b. Suitability                              | b. Staff                                  |
| c. Clarity                                 | c. Process Control                          | c. Budget                                 |
| d. Validity                                | d. Familiarity                              | d. Facilities                             |
| e. Feasibility                             | e. Product Control                          | 2. Contract                               |
| f. Precedent                               | 2. Development System                       | a. Type of contract                       |
| g. Scale                                   | a. Capacity                                 | b. Restrictions                           |
| 2. Design                                  | b. Suitability                              | c. Dependencies                           |
| a. Functionality                           | c. Usability                                | 3. Program Interfaces                     |
| b. Difficulty                              | d. Familiarity                              | a. Customer                               |
| c. Interfaces                              | e. Reliability                              | <ul> <li>Associate Contractors</li> </ul> |
| d. Performance                             | f. System Support                           | c. Subcontractors                         |
| e. Testability                             | g. Deliverability                           | d. Prime Contractor                       |
| f. Hardware Constraints                    | 3. Management Process                       | e. Corporate Management                   |
| g. Non-Developmental Software              | a. Planning                                 | f. Vendors                                |
| 3. Code and Unit Test                      | <ul> <li>b. Project Organization</li> </ul> | g. Politics                               |
| a. Feasibility                             | c. Management Experience                    |   |
| b. Testing                                 | d. Program Interfaces                       |   |
| c. Coding/Implementation                   | 4. Management Methods                       |   |
| 4. Integration and Test                    | a. Monitoring                               |   |
| a. Environment                             | b. Personnel Management                     | The SEI Risk                              |
| <ul> <li>b. Product Integration</li> </ul> | <ul> <li>c. Quality Assurance</li> </ul>    |   |
| c. System Integration                      | d. Configuration Management                 |   |
| 5. Engineering Specialties                 | 5. Work Environment                         | Taxonomy                                  |
| a. Maintainability                         | a. Quality Attitude                         | галопошу                                  |
| b. Reliability                             | b. Cooperation                              | -   |
| c. Safety                                  | c. Communication                            |   |
| d. Security                                | d. Morale                                   |   |
| e. Human Factors                           |   |   |
| f. Specifications                          |   |   |
|  |   |   |

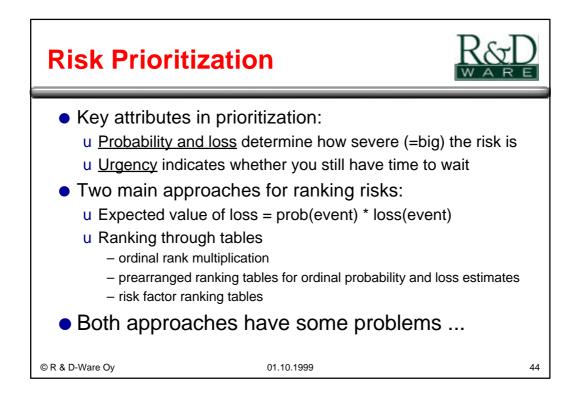


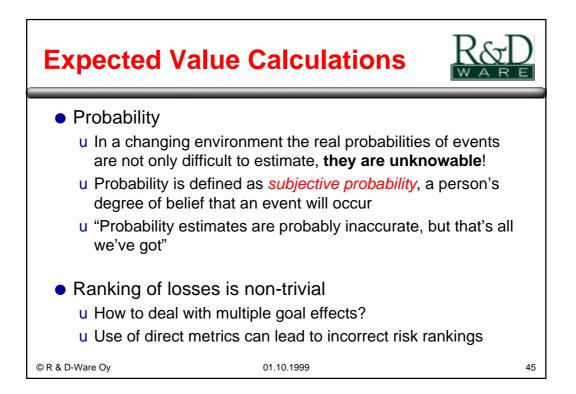




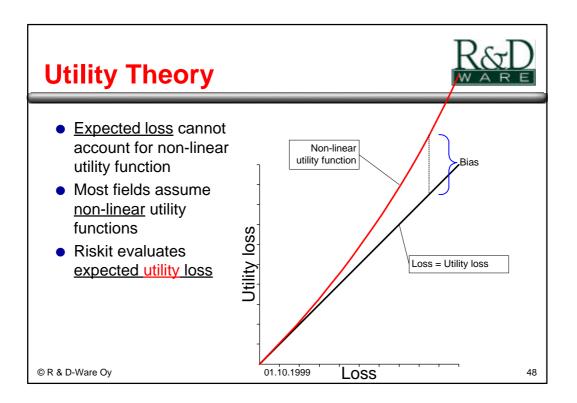


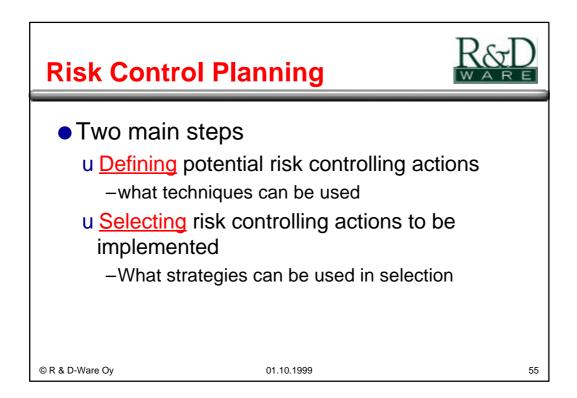


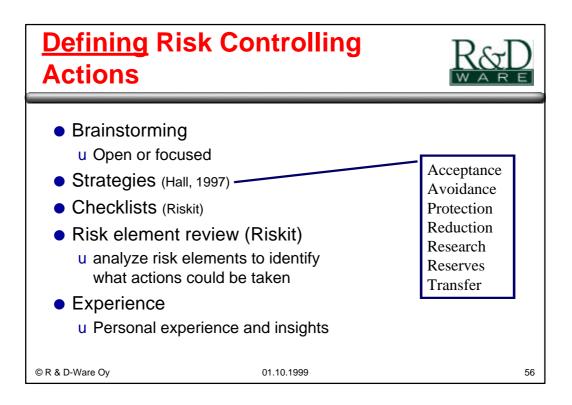


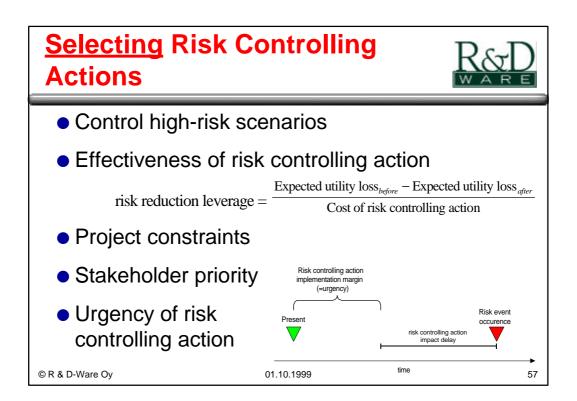


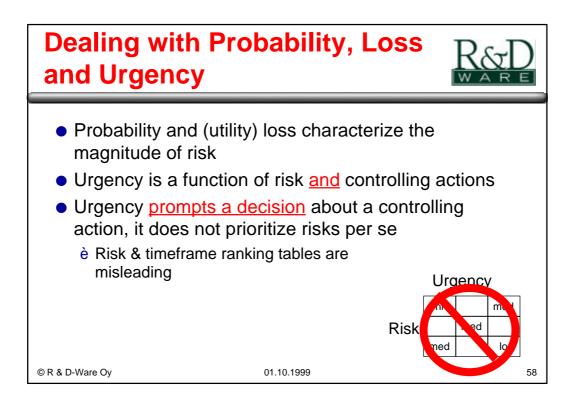


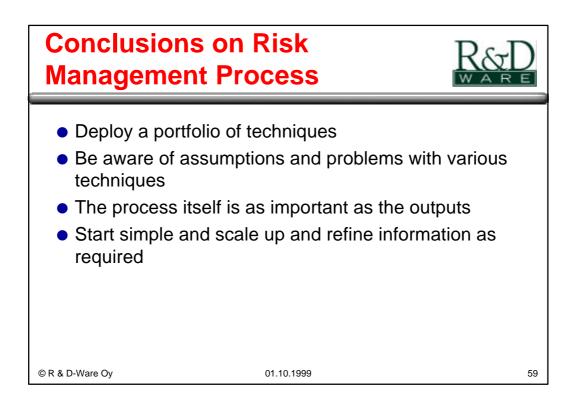












| Levels o        | f Risk Management  | D  |
|-----------------|--|----|
| Invisible RM    | There is no evidence of risk management activities taking place in projects, all risk management is intuitive and implicitly included in project management.   |    |
| Ad hoc RM       | Project managers occasionally perform risk management activities out of their own initiative.  |    |
| Suggested RM    | There are templates for documenting the output of risk management<br>activities, such as a risk management section in the project plan or<br>risk list section in project progress report. However, these sections<br>are not required in actual plans or reports. |    |
| Required RM     | The output of risk management activities is formally required and tracked from projects: a risk management plan is required and risk lists are frequently reported, updated and tracked.   |    |
| Supported RM    | There exists a defined process for performing risk management in<br>an organization, including methods, tools, guidelines and supporting<br>infrastructure.  |    |
| Improving RM    | There exists a systematic process for capturing risk management<br>experience and improving risk management practices based on this<br>experience.   |    |
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