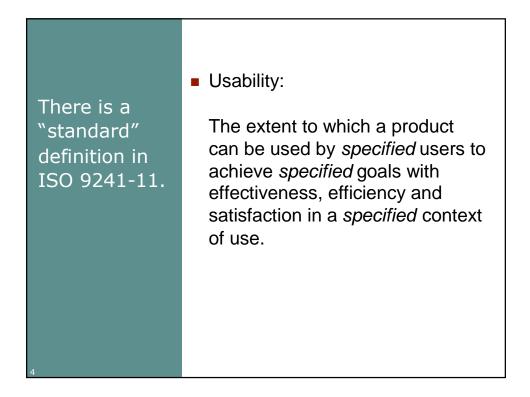
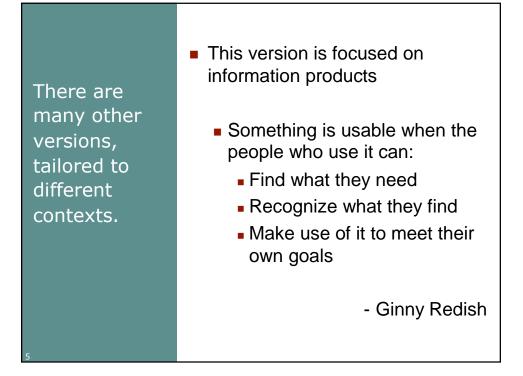
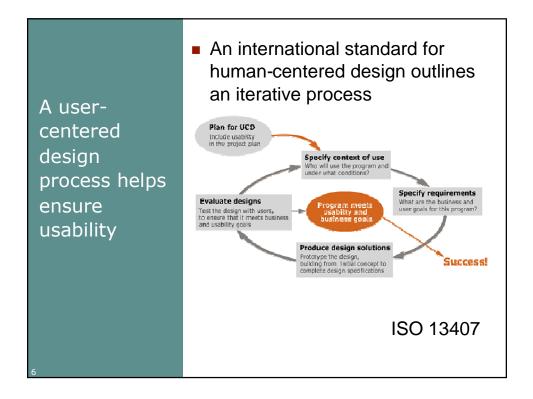
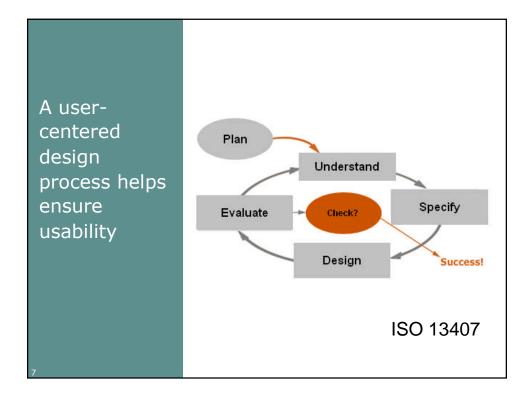


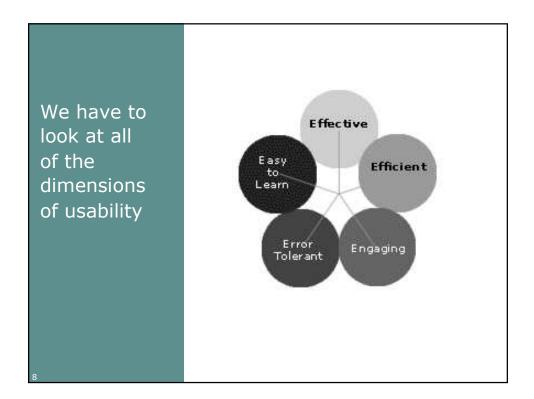
| | The skills, methods and techniques we use |
|--------------------------------------|---|
| "Usability" has four different | An approach to our work, also called user-centered design" |
| meanings | A philosophy for approaching design |
| | A result: design that works for people. |
| 3 | |

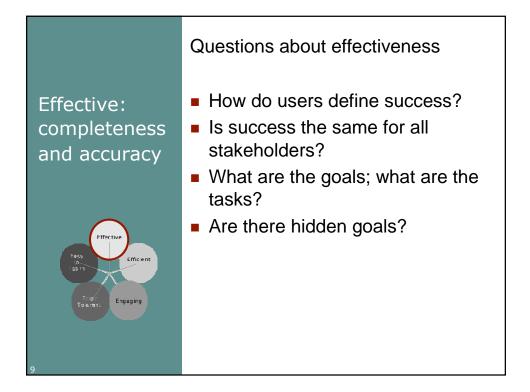


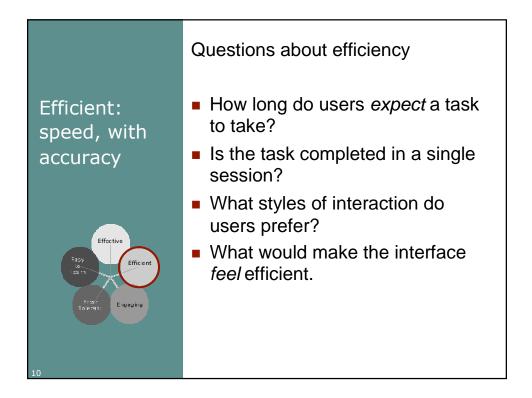


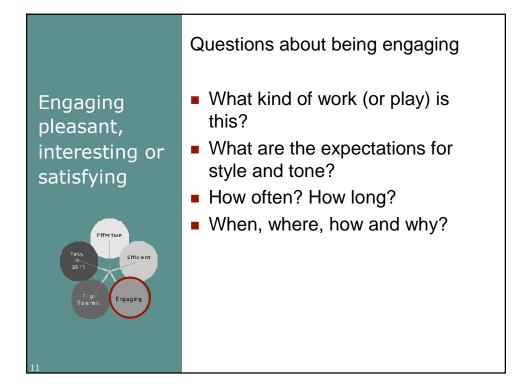


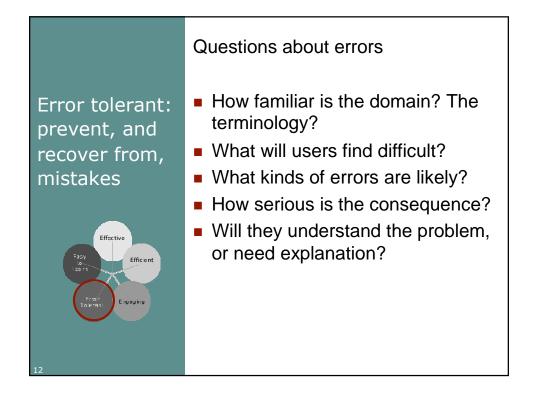


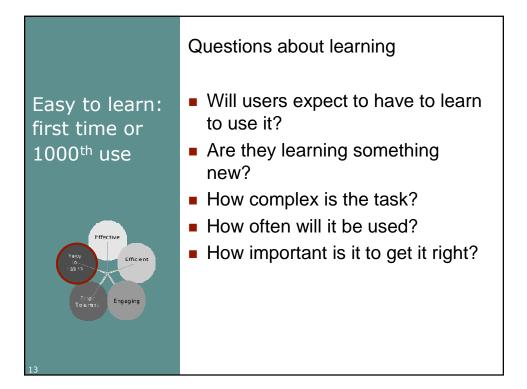


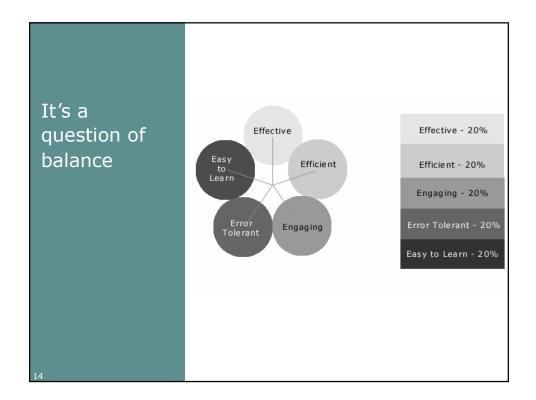




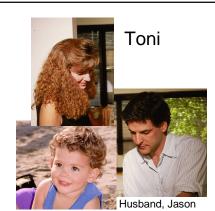








Usability depends on the point of view of a user



Son, Marcus

Toni is a young mother with a hectic life, with her job in a local shop, husband, home, and most of all her son, Marcus, a two-year-old bundle of activity.

Usability depends on the point of view of a user

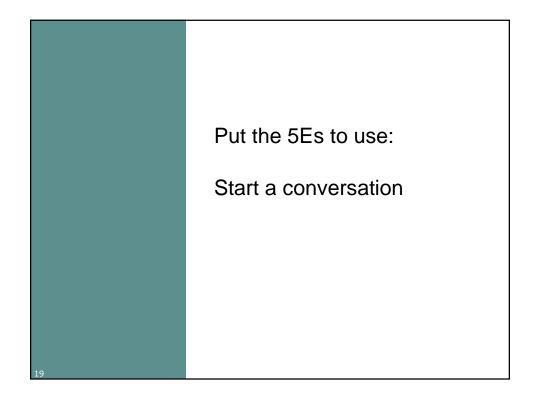


Jerilynn works in the passport office in her county. Much of the work is routine, but she enjoys helping people, and hearing about the trips they are planning.

16



| | For one of your current projects |
|--------------|---|
| Let's try it | What would the users say about each of the 5Es? |
| | Make the statements in the first person Be concrete and specific |
| | |
| 18 | |

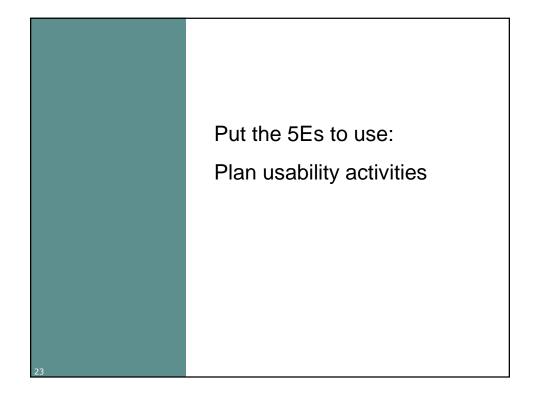


| Use the 5Es to create a conversation | Find out how your team defines usability Collect their personal opinions about usability Introduce and define the dimensions of usability Explore each in relationship to business goals Examine the broad requirements for implications Discuss possible usability priorities for the product |
|--|---|
| 20 | |

Start with assumptions (and tacit knowledge) about users

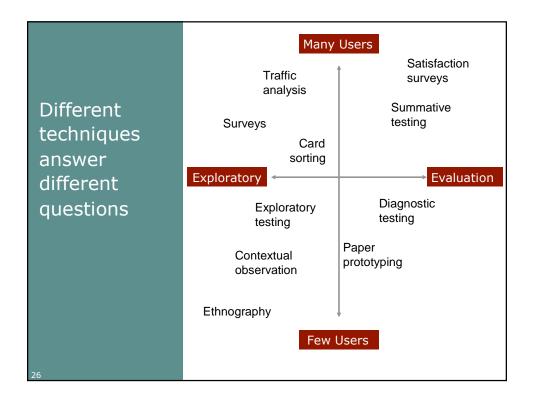
- What do (you think) users think?
 - Collect examples of things a user might say, and relate it to one of the 5Es
 - Discuss how many different user groups there might be, and differences between them
 - Capture what these examples are based on, and gaps this might reveal in the group's knowledge

| Where do you have knowledge? Where do you need more information? | Repeatwith real users and compare the results Does actual experience with users match the assumptions in the previous exercise? Are there differences in perceptions in different stakeholder groups? Where are the gaps in understanding, and how can they be filled? |
|--|---|



| Usability tests need: real users, real goals, real products and an observer | A usability test is one user (or two) at a time working with a real product (including wireframes or prototypes) on meaningful tasks and (usually) thinking out loud while one or more people observe and take notes and use the results to improve the design |
|---|--|
|---|--|

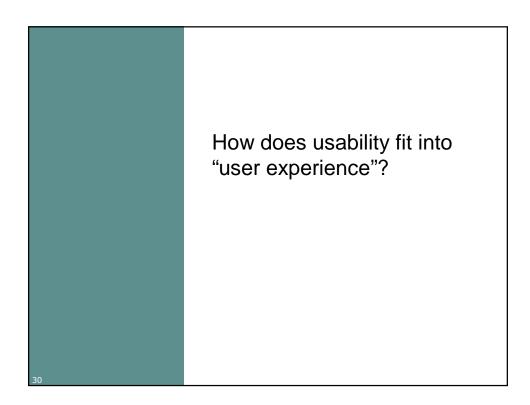
| Usability techniques fill three roles in a project | Exploratory Learn about users' attitudes, behavior, preferences, goals Qualitative Diagnostic Answer design questions Find and fix problems Understand how users see and use the product Iterative Summative |
|---|--|
| 25 | Evaluate success in meeting usability goals Metrics and task success |

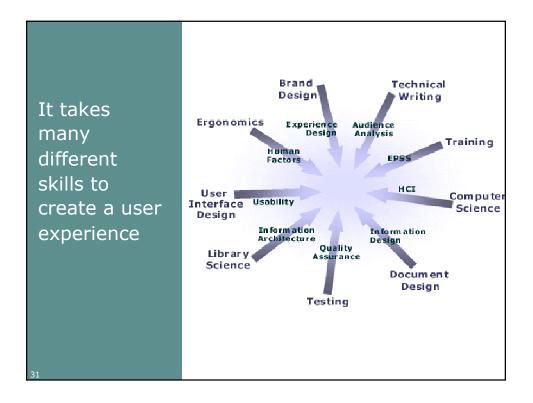


| Map user research to the 5Es | User concerns and issues set the balance and priorities in creating usability goals | |
|------------------------------------|---|--|
| | error tolerant | "Can I make a change as often as I like? What if I get it wrong?" |
| | easy to learn | "I never understand the questions they are asking me in these forms!" |
| | efficient | "This looks like a lot to read. How long will this take, anyway?" |
| | effective | "I really hope that I've gotten the privacy settings right so I don't get email" |
| | engaging | "At least the text is big enough to read" |
| 27 | | |

| | User needs suggest interaction styles | | |
|---------------------------------|---|--------------------------|---|
| The 5Es | Dimension | Needs | Design Approaches |
| suggest design approaches | effective | accuracy | Provide feedback on all actions |
| | efficient | operational speed | Design for fastest paths Use appropriate interaction styles |
| | engaging | draw users in | Make interface helpful Match expected style and tone |
| | error tolerant | validation | Change 'errors' into corrective choices |
| | easy to learn | just in time instruction | Create guides for tasks and interactions |

| The 5Es | | a test technique that the right information |
|----------------------|--------------------|---|
| suggest types of | effective | evaluate tasks for success and accuracy |
| usability testing | efficient | time users completing realistic tasks on working product |
| | engaging | user satisfaction surveys to gauge acceptance |
| | error- tolerant | construct task scenarios to create situations with potential problems |
| | easy to learn | control how much instruction is given to test participants |
| 29 | | |





| We can tell the story this way | There once were two cats of Kilkenny Each cat thought there was one cat too many So they scratched and they fit And they fought and they bit 'Til instead of two cats there ain't any. |
|--------------------------------------|---|
|--------------------------------------|---|

