What effects the design of a user interface?

The following factors are important for the design:

Knowledge about the work situation
Knowledge about the users
Knowledge about human-computer interaction and design
Knowledge about the technical environment

Knowledge about the work situation

This is mapped in the task analysis and through active user involvement.

- Which work tasks are involved?
- Who are the users? Who is doing what?
- Which information is used and produced?
- Which decisions are taken?
- Etc.
Knowledge about the users

• Who are the different users?
• What are their knowledges and competencies?
• Experiences?
• Education and training?
• Computer experiences?

Knowledge about HCI and design

• General knowledges about HCI and user interface design.
• Style-guides in use?
• Application specific guide-lines?
• Standards to consider?
• Recommendations to be considered?
Knowledge about the technical environment and prerequisites

- In which technical environment will the new system be implemented?
- Which development tools are being used? Limitations of the tools?
- Displays used? Size? Resolution? Colours?
- Data-base system and its properties?