

Overview of how to scale RE for specific project settings

A rough classification

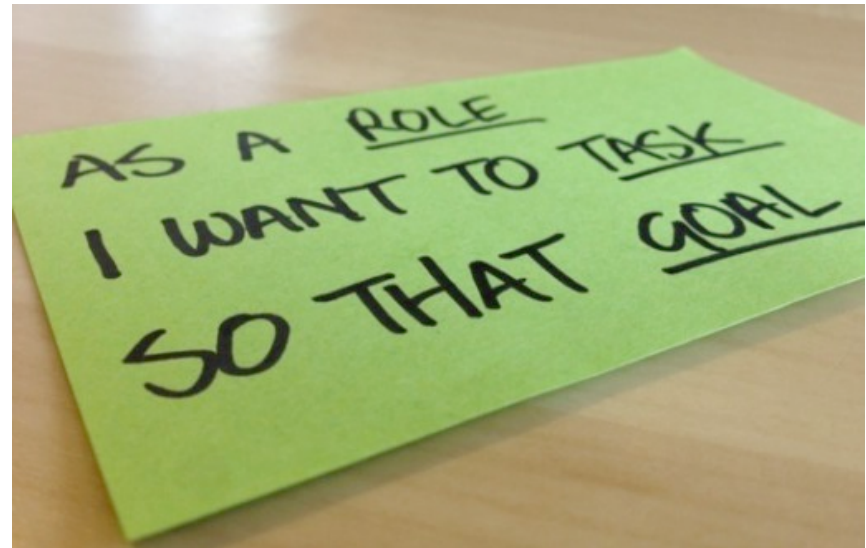
Main Factors

- Project size
- Level of understanding of the problem domain
- Availability of and relationship to stakeholders
- Level of understanding of the application domain
- New product versus well established product
- New team versus well acquainted and practiced
- Type of system: business information system, embedded system, cyber-physical system
- System characteristics, e.g. relevance of safety, security, robustness, dependability, etc.
- Overall software development process

Minimalistic RE

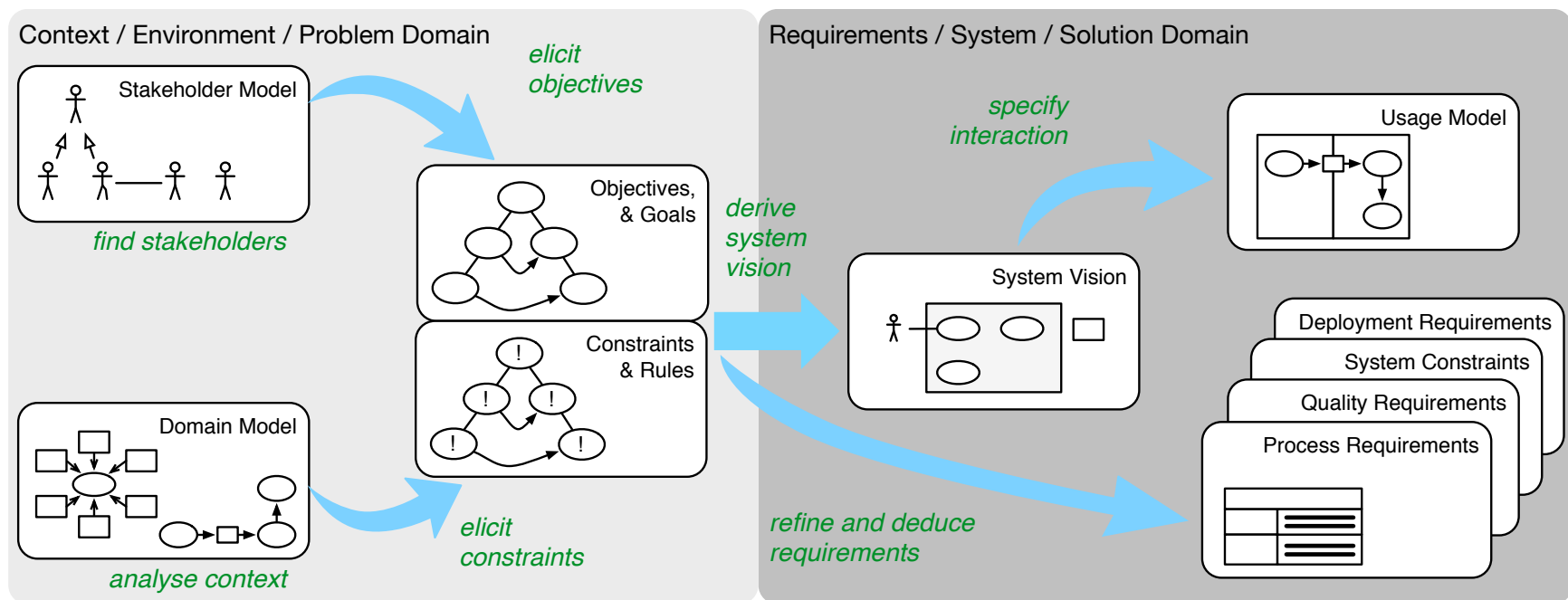
- Agile setting
- User Stories
 - <http://www.agilemodeling.com/artifacts/userStory.htm>
- Test Spec
- Backlog

User Story Template
As a [user role]
I want to [desired feature]
so that [value/benefit]



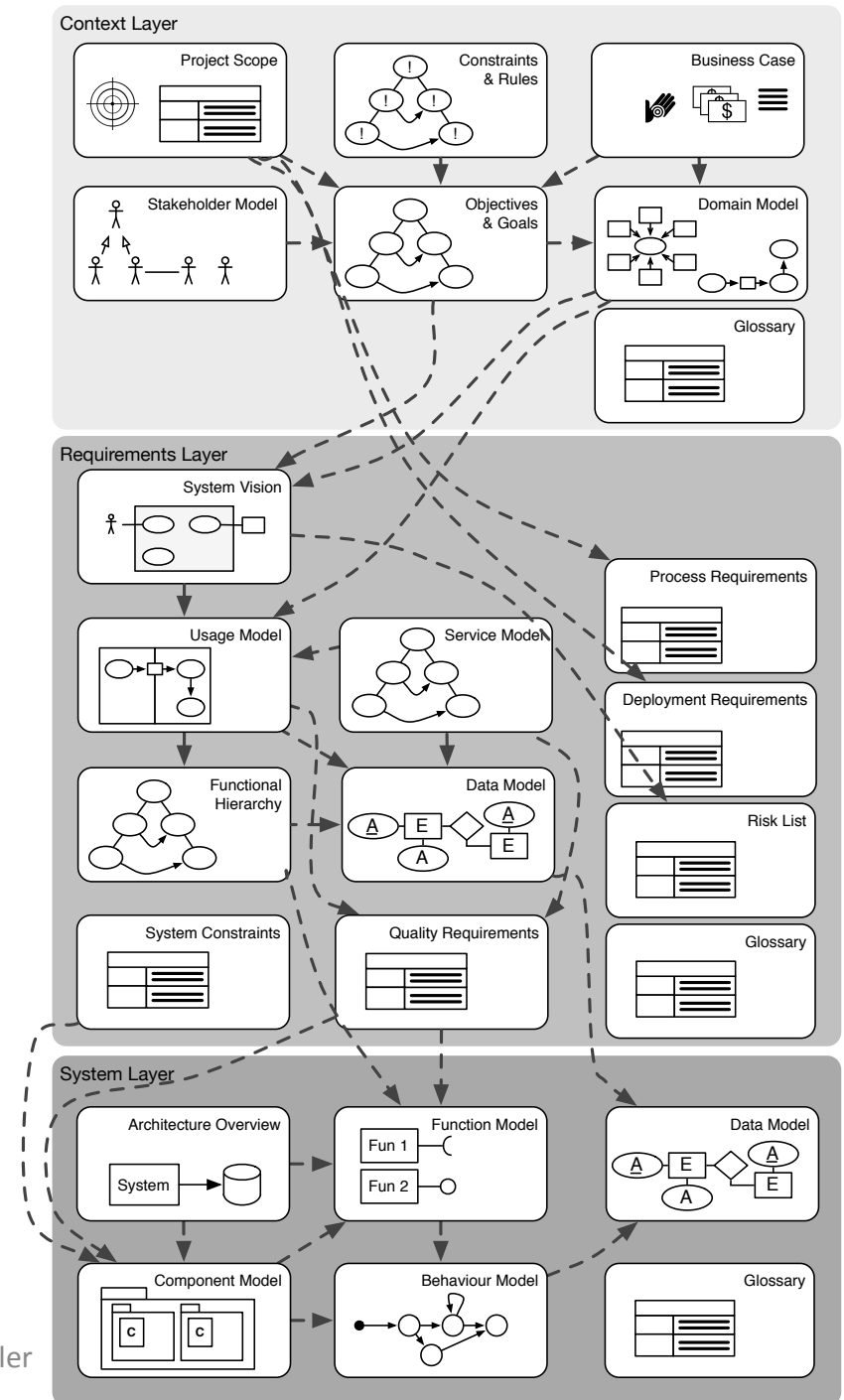
Medium-size RE

- Effort: Person months
- Subset of items of AMDiRE



Large-scale RE

- Effort: Person years
- All items of AMDiRE



How to define it for a project

- Analyze the characteristics of your project (slide “Main Factors”)
- Take the AMDiRE model
- Prune things you don’t need
- Adapt items you need
- Make/use a template
- Define the tools
- Define roles & milestones with and for your team
- Define the change process

