



Requirements Engineering for Sustainability - Prototypes

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@twinkleflip
#SustainabilityDesign
#KarlskronaManifesto

Timeline

- Tuesday 29.3
 - 10-12 Open lecture “Software engineering for sustainability – The Karlskrona manifesto”, Room 4511
 - 12-16 Opening of the course, Room 7441
- Wednesday 30.3
 - 18-22 LUT Beach Sauna, student idea presentations & discussions
- Thursday 31.3
 - 10-12 Stakeholder model and goal modelling, Room 4511
 - 12-14 Course work, Room 4511
- Friday 1.4
 - 10-12 System vision, Sustainability analysis and use cases, Room LS204
 - 12-14 Course work, Room LS 204
- Monday 4.4.
 - 10-14 Intermediate presentations, Room 7441
- Tuesday 5.4
 - 12-16 Course work, Room 7441
- Wednesday 6.4
 - 8-10 Briefing for presentations, Room 7441
 - 10-12 Course work, Room 7441
- Thursday 7.4
 - 10-14 Course work, Room 7441
- Friday 8.4
 - 12-16 Final presentations, Room 7441

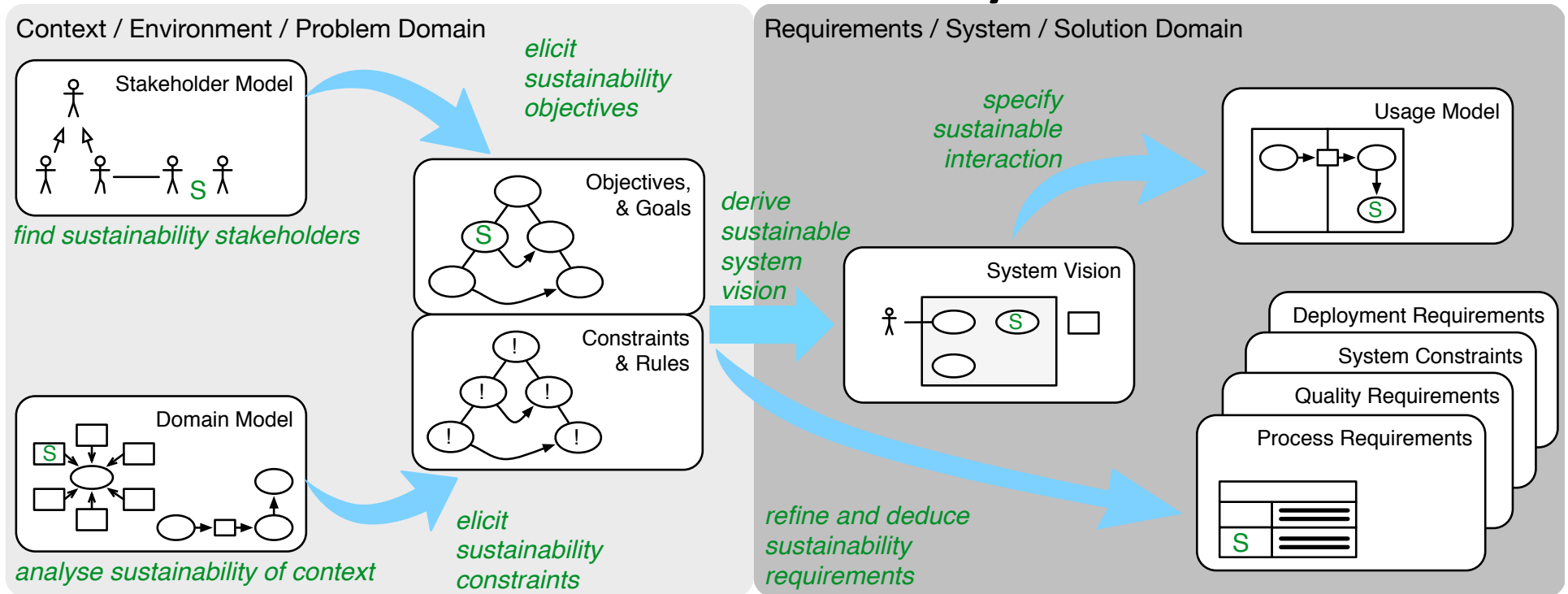
Outline & Overview

Mock-ups & prototypes

→ This is your playground

→ You get as much out of this course as you put in.

Requirements Engineering for Sustainability



Example checklist for analyzing environmental sustainability for a software system.

Guiding Questions for Green RE:

1. Does the system have an explicit sustainability purpose?
2. Which impact does the system have on the environment?
3. Is there a stakeholder for environmental sustainability?
4. What are the sustainability goals and constraints for the system?

Mock-ups and prototypes

Types of mock-ups & prototypes

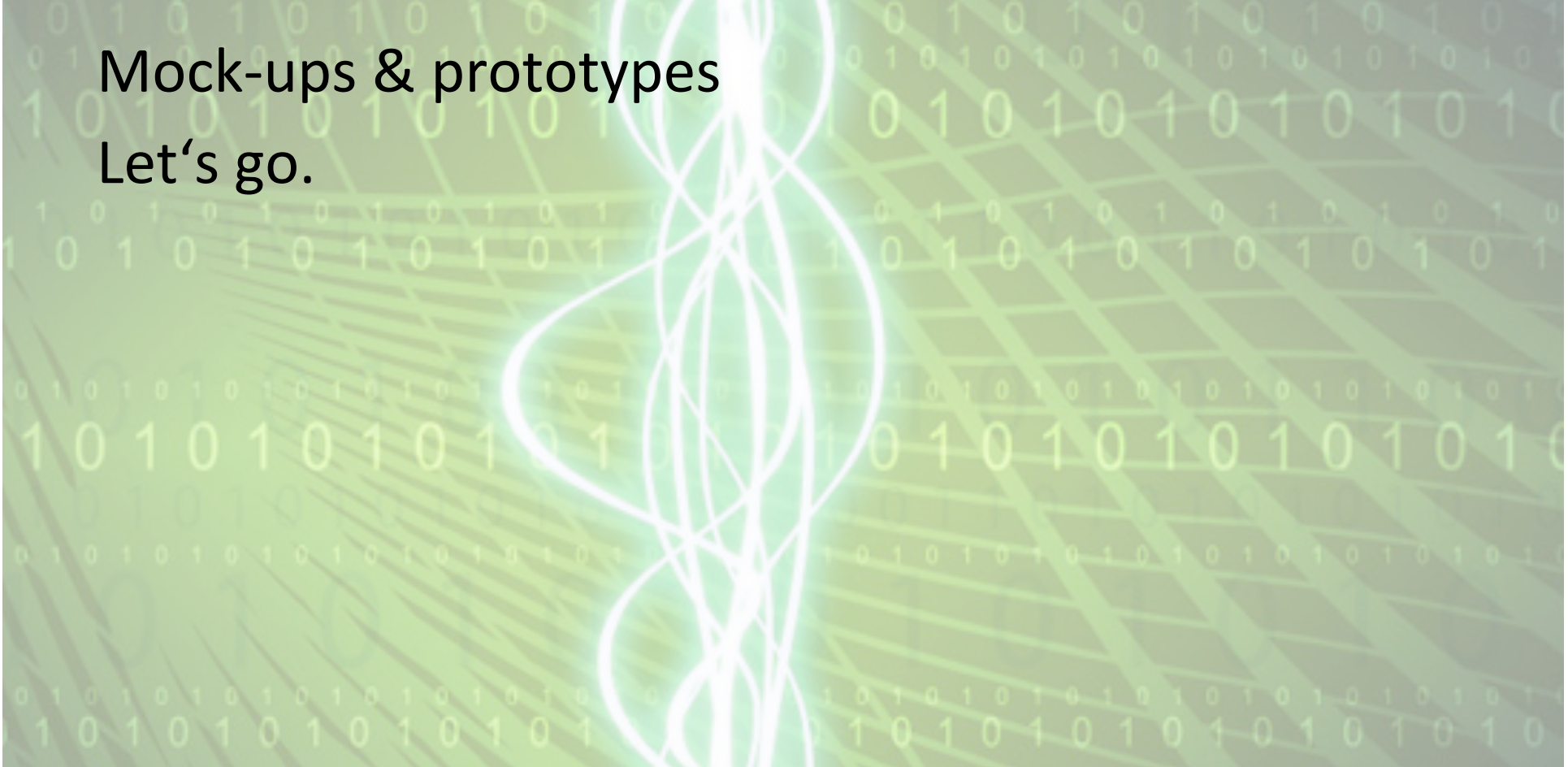
- Wireframes – Paper prototypes
 - Horizontal prototypes – UI prototypes
 - Vertical prototypes – Functional prototypes but incomplete
 - UI design, concept art, brand design
- How far can you get?
- Do you want to develop this into a system?



Todos



Mock-ups & prototypes
Let's go.



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