

### **Partner Collaboration:**

Those who had meetings with partners. Can you please make a short report on the meeting and send to adrian and me?

Also for gjensidige, medema and voss copy the report to the respective responsive at Norwegian Design council.

The Medema , gjensidige and voss groups also need to now establish a contact with their ND advisors. I suggest having a meeting with them to get their input and information ASAP. They are central in your expert network.

There are three special tasks to perform with your partners:

1) If you have not done so already: You need to take the partners through the mapping in detail and get their input on your "reading" of the complexity. You should involve them so that they use markers to contribute to the map.

2) choose a central process and map it together with them along a time line. This mapping should be as detailed as possible. It will take approx two hours.

3) start building the expert network. Start with input from your partners and work it from there. When ever you talk to somebody ask this question: Who else should I talk to?

### **Analysing the maps:**

Please think through the arrows: Inspired by Annegrete we should by now distinguish between the different relation types depicted by lines and arrows with:

Thematic relations (thematic relations are normally just similarities in association, metaphors or typologies. These relations are best drawn with lines because there is normally not a flow from one to the other like indicated by an arrow.

Movement: best indicated with arrows

Material : Material systems can have movement relations of materials (arrows) or they can be thematic by different systems sharing the same material system (lines)

Processes: processes are always sequential, that's why timelines are so great for processes. They often have feedback loops. (arrows timelines)

Structural relation: this means a system is always a part of a bigger system or it contains sub systems.

Relations are drawn best with lines or with other means like "magnifying glass" graphics or similar.

Causal relation (cause effect) are best drawn with arrows.

Strong relations are drawn with thicker arrows

Important relations are drawn with red colour others with e.g. blue and green.

NOTE: a weak relation can be very important.

### **Analysing through labelling:**

Use the following coding for further analyses of all the different maps:

Z = theme or issue that needs further zooming in and greater detailing on separate map

P= Item , field or theme that has a potential for further development

I = Fond point of innovation. Describe innovation as detailed in separate map

S= Synergy: Search for possible synergies in the maps between seemingly unrelated activities or fields. Mark with pairs of S labels with numbers.

E = Economic benefit: fields, themes or inventions that will create economic benefit for the partner

SU= Look for effects on sustainability in your system

Any other label of interest you can come up with is great.

### **Time line analyses:**

When you have produced a time line diagram together with the partner you can do several things to analyse it further.

Add an economy line showing where most economy is spent and earned

Add an energy line showing where most energy is spent in the process

Add a sustainability line to show where there are good or bad effects on the total sustainability  
Other dimensions?

**For the Gothenburg workshop:**

In the workshop you will work together in groups with the Chalmers students. These are architects who do systems thinking and are in a similar stage as you are now. They are about to translate their systems analyses and generated brief to design drafts.

So this workshop will generate your first drafts of design solutions. It will jump forward and inspire to think of solutions. (if it works as intended)

To prepare for the workshop you should do a first round of refinement of your GIGA-maps. Include the information you have gathered from the partners. Redesign the maps you have preferably in indesign and plot it to bring to Chalmers so that you can sketch on these maps together with the other students. There will be one session on Thursday and one on Friday. Also there will be two lectures by me and one by Jaan Henrik Kain.

The refined and analysed GIGA-map is presented on Wednesday 23 rd

**Project Plan:**

You should also by now have started the work with a project plan:

We will go through this on the review 11<sup>th</sup> march

The way to produce the project plan is to get together in the group and draw a timeline GIGA-map. You can start from the end and go back wards.

**Other issues**

I am available for tutoring Wednesday morning

Adrian will be here when I am away this week.

Remember the great double lecture on Friday.

WE START 9 SHARP

The negotiation lecture will be rescheduled for later. I think it also fits better when you are starting to work with design suggestions.

15.feb 2011-02-15 Birger