

## **Reflection after pre-seminar**

### **Grupp 8**

Thank you for an inspiring presentation!

One of the two things that we thought was particularly good with your work was the division of the materials into layers; bottom, middle and top. It made it easy to understand which layer had the largest impact, and it will be easy for you to model the maintenance. The second thing that we really liked was the structure on the data. It was well thought through and it was easy to read the tables. It looked professional.

The first possible improvement is to clearer connect the research question to the functional unit and the life cycles of the products. As we understood it the question you asked yourself was something like 'If I were a developer of roads in Stockholm, what material should I use for constructing a road?'. However your functional unit and life cycle of the products didn't take into account the time perspective. You mentioned in the presentation that asphalt and concrete has different expected lifetime and need of maintenance, so for us it seems logic to take this into the calculations as well, since the developer clearly has to take this into account when deciding between the different options.

It was not clear during the presentation if you have considered making a sensitivity analysis, but if not, we think it could be really good to at least discuss how different levels of traffic will affect the two alternatives and so on.

### **For our own sake**

One thing that came up in the discussion after our presentation was the fact that we still aren't sure how to model our t-shirt, as an assembly or as a process. The problem is that with an assembly, you can't have any output in the form of waste. One suggestion was that maybe it is possible to make it as an assembly anyway, with an extra subassembly with the same properties as the assembly, representing the waste that will not be used in next step but still has to be accounted for in the environmental impact assessment.

Another thing that came up in the discussion was that we need to determine our own impact categories. We need to think about that diverse impact categories have different impacts in different geographic areas. This is maybe something we can address in the discussion in the report.