

Reflection from the Launch Workshop:
From Lena and Ke

Applicable to everyone:

All of the groups made a kickstart during the launch workshop and we are impressed by the way they were presented on stage. All of the effort you put into the project is reflected in your progress. The goal of the workshop was to get a taster of the curriculum and we hope you understand that the projects are expected to transform during the competition. Interviews and the activities aimed to help you critically look at your own questions in the next 2 weeks. After that you have 3 weeks to develop your research using scientific knowledge and tools. During the last 2 weeks again you will be focus on making the final outcome of your project.

It is ESSENTIAL for every group to understand that the launch workshop is just a start. We do NOT want you to only justify and realize the idea and solution you proposed in the workshop. We want you to instead to question what you observe, what you know and even what you propose as solutions. After that you are able to define good questions before you dive into the specific solutions.

All groups could benefit from looking at the different forms of incentives: <https://en.wikipedia.org/wiki/Incentive>. How do we make stakeholders want to join your initiatives to make the world more of a sustainable environment? If you are stuck - revisit the activities you did during the workshop and work as a team. Key point: Be brave!

Reflection/comments for each project:

APP:

From Lena:

Valuing money and time as measures of sustainable consumption is a unique realisation. Your presentation described a specific citation, which can be further developed. The cultural context of the project can be further developed during the next 2 weeks, especially interviewing

stakeholders. Apps and the use of mobile phones sit comfortably in the context of your culture and further developing the context and details of your project could lead you to interesting discoveries. Look at time management methodologies:

https://en.wikipedia.org/wiki/Time_management#Setting_priorities_and_goals. We would like you to consider the following questions:

- Is this app just for homework management? How can the app further help children to manage their time and money?

- How ethically will the communication between the parents and the children be managed? You may want to look at parental control of internet use and GPS tracking of children by parents.

- Time saving in China: How does Chinese people culturally perceive time saving? There are such saying like African Time

(https://en.wikipedia.org/wiki/African_time). Could you interview and document certain actions people around you practice as time saving measures? Link to Time Saving:

https://en.wikipedia.org/wiki/Time_management

- In the upcoming weeks: How do you think this product will interact in a personal scale? Can you think of a method to test it on your friends and family?

Hetero Genius:

From Lena:

Your outcome demonstrated the benefit of interviews with various stakeholders ranging from economists, businesses and delivery shops. During your guesstimation you predicted the use of have identified a rather 'wide' prediction. We can start proposing various questions from there - for example, what is the product life of one disposable packaging? Where does it's life start and where does it end? Another point is the biodegradable packaging idea. Excess biomatter can lead to another problem. Can you think of ways to manage such issues? This can be connected to identifying the practices of delivery business and considering the consumption of food business. Look at waste type: https://en.wikipedia.org/wiki/List_of_waste_types, Biodegradation:<https://en.wikipedia.org/wiki/Biodegradation> and Cost-benefit analysis of your project:

https://en.wikipedia.org/wiki/Recycling#Cost.E2.80.93benefit_analysis.

We would like you to consider the following questions:

- Could we start envisioning how the recycling interacts with citizens and what is incentive to be part of this recycling scheme? Refer back to Material life vs Product life (In the curriculum guidebook)
 - How is the package ensured to be collected by the right people?
 - How would each stake holder interact with your object physically? (Example: manufacturer, wholesale, shops and recycling companies)
 - How do you start installing this value of 'manageable packaging'?
- You can convince companies, but what about the other stakeholders and what part do they play? power of choice

Water belt:

From Lena:

The presentation was very entertaining. Humor is a valid technique which could be utilised in the dissemination of your project. Your concept touched a relevant point; How do we install the concept of recycling water? What grade of cleanliness do you expect from the recycling of water? For example, there is a concept of Reclaimed Water (https://en.wikipedia.org/wiki/Reclaimed_water) - what do you think of this? Here water is introduced as a renewable resource & research further:

https://en.wikipedia.org/wiki/Renewable_resource#Water_resources.

We can see how you borrowed from Trash Me - awareness of how much garbage we are making. It is super important to address the amount of garbage we are making. Through your prototype you communicated well on 'experiencing' sustainability as in 'seeing' how much each person has consumed. Look at concept of water conservation: https://en.wikipedia.org/wiki/Water_conservation. We would like you to consider the following questions:

- What kind of technologies are you interested in?
- What situation do you think you want to introduce such measure? (Home, school, public spaces or industry?)
- How 'big' is your solution? You can start reflecting on the bottle attachment you presented during the presentation.

- Who do you communicate the importance of water recycling? Who do you want to interview outside of your friends and family?

The shared library

From Lena:

As pointed out in the reflection during the presentation, this project can be deployed already. But let's take a step back and look back and critically revise your project. The key point we gained from your presentation is that importance of knowledge share and that it can happen everywhere. There are initiatives of shared books such as manga cafe (https://en.wikipedia.org/wiki/Manga_cafe), online book deliveries, libraries and ebooks (<https://en.wikipedia.org/wiki/E-book>). What can you learn from them and how does your concept compare with established projects? And it might be interesting to define the term library in your terms. In the links defined there are various forms of libraries (static and portable). Through this project, what kind of knowledge sharing community are you attempting to establish? Check out more on knowledge sharing:

https://en.wikipedia.org/wiki/Knowledge_sharing We would like you to consider the following questions:

- Do designated libraries collect specialised books? What kind of books may require book recycle?
- How do you categorise the books in the machine? How do users find the books they want?
- Who else can you interview other than classical book providers such as libraries and book shops? What kind of information do you want to collect?
- How does the "The Shared Library" interact with people, but also with the physical spaced where they are placed? Look at the link on public library: https://en.wikipedia.org/wiki/Public_library

Bottle Stop:

From Lena:

There is a sense of humour and applicability to the idea of creating a bottle stop. Your group discovered the importance of incentives to join the recycling scheme - money. I recommend you to look at Germany's

recycling scheme.

(https://en.wikipedia.org/wiki/Glass_recycling#Germany) They have a refund scheme for glass bottles - they don't have machines, but this mindset is implanted in their lifestyle. Let's consider the history of bikes and WeChat pay for example. How did it spread so wide and quickly in China? Maybe that is where we can get inspiration. We would like you to consider the following questions:

- What do you think companies would think? How will it be beneficial for them? Maybe you can make a case-study.
- Research: Are there similar initiatives related to the ban of plastic use? Look at initiatives on 'phase out of lightweight plastic bags'

(https://en.wikipedia.org/wiki/Phase-out_of_lightweight_plastic_bags)

- Further research: What are the kind of systems implemented in recycling in your neighbourhood. Go research and document what you find. Look at recycling codes

https://en.wikipedia.org/wiki/Recycling#Recycling_codes

- You are suggesting creating new carries: bottle cleaning, bottle collector and recycled bottle distributor. What kind of places can this process take place?

The water perfection: Use water safely and quality of the water in home. Collect data on how we drink water at home.

From Lena:

We acknowledge how difficult it must have been to create a project when most members were not present. Your project has a focus on a 'specific location' and it has a rich cultural context. I hope to see you further explore options rather than sticking to the water filter idea. What other things can we change within the home environment? Also the train of thought that if people start drinking tap water the money will go to the company to improve their water quality is a wonderful thought. As we discussed you can think of "how can we make citizens use more tap water?" is a good one. You can start by looking at different definitions on water quality: https://en.wikipedia.org/wiki/Water_quality. Also, according to this webpage, China is No.1 in water footprint per household - What do you think of this? Could you start investigating the way your friends and family consume water on a daily basis?

https://en.wikipedia.org/wiki/Water_use#Water_footprint_of_individual_consumers We would like you to consider the following questions:

- You have identified a location within China, but as you said it is still a large area. Through your interviews, could you indicate particular groups of people?
- Who can you ask by phone call or interview on the water quality in china? Further investigate water resource management:

https://en.wikipedia.org/wiki/Water_resource_management

- Look back at what you learned in school - how can you put what you learned in school about water treatment in your project?
- Added to that, your guesstimation was a very good kickstart for your project, from the stakeholders you identified in your guesstimation, who can you interview?

S-cups:

From Lena:

Identification of specific situations and scenarios to use re-usable cups gave your project a context, which is the strength of your project. You have kickstarted your qualitative research by taking the initiative to go to Starbucks. This is the kind of research we expect coming out of the Grey Phase. Personalisation of objects to make connections with the consumer is a good point - there is a project called Phonebloks (<https://en.wikipedia.org/wiki/Phonebloks>), where consumers build their phone components to personalise it. Your group considered details on how the product is special and what do you change We would like you to consider the following questions:

- Further consider: How does the personalisation of the cup relate to changing the function and/or aesthetics?
- Have you looked at the material cycle of your product? Here is a link to content on life-cycle assessment (https://en.wikipedia.org/wiki/Life-cycle_assessment).
- How can you further create sustainable process into your products with the cooperation of users, manufactures and sales people (like starbucks)?
- How do you change the distribution system of plastic and paper cups?