

Dear Summer University Organisers,

The EnWG has been thinking in 5 themes as part of our overarching Green SU theme **Climate Change.**

- Food production
- Biodiversity/Ecology
- Recycling/Garbage
- Water
- Energy

CLIMATE CHANGE

We have thought it would be a good idea to give first a presentation about Climate Change before starting with one of the 5 themes for the rest of the SU.

Trainer? All board members can be trainers regarding this subject, but it depends on where the SU is and in which period.

Activities for any Green SU

- “ECO WALL” Ask participants to write on eco-wall; anything connected with environment (useful ideas to implement during event) + eco gossiping + organizers can add eco jokes and some funny eco photos every day.
- Nominations for Mr/Miss: When choosing best participant, best dancer, nicest smile and similar at the end of event, add also category for greenest participant and/or greenest organizer.
- Watch movies and documentaries, or maybe selected clips. They are visual and very easy to understand and can be great support for the presentation of the topic.

These are just some ideas and we will send a document with more eco activities (games, ice breakers, etc.) later on ;)

1. Food production

Topics for Workshops

- Effects of climate change on global food production.
- Carbon footprint? It's not only how we choose to [travel](#) or heat our homes that determines our carbon footprint. What we eat also has a climate impact. Understanding the resources that go into producing our meals can make us more aware of the relationship between food and climate change, and help us make better choices.
- The environmental impacts of food in the home: transport to the home, storage, preparation, and wastage.
- Processed/semi-processed/unprocessed food
- Meat and climate change. Relation between livestock and the volume of greenhouse gases (such as methane and nitrous oxide) that contribute to climate change.
- Chemical agriculture vs. organic farms
- What can you do to reduce your impact when you eat?

Activities

- Making an overview of the interactions of several factors that contribute to food's climate impact, including: how low on the food chain it is, how much [energy](#) is used to produce it (and

whether the food is grown organically or with chemical inputs), and how far it has to travel before it gets to the table.

-Visit an organic farm

-Watch videos and comment on them afterwards

-Organic food tasting

-A blindfold tasting of organic/non organic food can be made, to see if participants can guess which one is each one just by tasting it :)

-Prepare a meal together trying to find locally produced food (reduce transportation) and organically grown, if possible (reduce pesticides and chemicals use)

Games

We show a picture of a food item in the screen and participants have to say if that is a primary product or not (for example “milk” is a primary product but “semi-skimmed milk” is not, “oranges” are a primary product but juice made from “concentrate orange juice” is not, “potable water” is a primary product but a “carbonated soft drink” is not, etc)

Material: EnWG can provide the table

Trainer?

Laia Garcia can be a trainer regarding this subject, but it depends on where the SU is and in which period.

2. Biodiversity/Ecology

Topics for Workshops

-Effect of climate change (and men) on the biodiversity, flagship species, keystone species, endangered species, why is biodiversity important, how works an ecosystem (foodweb, interactions)

-We can also make a list of how biodiversity helps society. Ecosystem services, products that come out of biodiversity (easy ones as food and clothing, then we can go to some other more interesting and complex like antibiotics or medicine molecules, go to biomimicry, and end up with funny things like beer yeast, latex condoms :)

Activities

Making an overview of the interactions of an ecosystem in the neighborhood, brainstorming about solutions for the challenges and what you can do, watch a video, visit a national park/museum/university who have information regarding this topic.

Games

Living Stratego in the ecology version (a game outside with cards, if you meet anyone else who has a higher card you loose), Smugglers game (try to smuggle coral etc.)

Trainer?

Iris Hordijk can be a trainer regarding this subject, but it depends on where the SU is and in which period.

3. Recycling/Garbage

Topics for Workshops

For example we can begin with the definition of climate change, then say which environmental domains it affects, introduce them to what topics we will focus on and then talk about recycling.

-Recycling: What is it? How is it related with global climate change? Why recycle? Some recycling facts and finally some recycling tips.

- Impact of garbage at the environment (plastic soup, burning of garbage, etc.)

Games

We separate participants in 4 teams (depending on their number). We give each team 3 recycle bins (for plastic, glass and paper) and several cards which will contain names of objects having one of these three materials. Participants will be far from these bins and when they are told they are free to see the cards. Each participant of the team will have to run to the bin and place one card to the correct one. The team which will do this faster wins! :)

4. Water

Topics for Workshops

- How is climate change related to water?
- Observed and projected changes in climate as they relate to water
- Climate change and water resources
- Regions and climate changes related to water.
- Challenge of clean drinking water for the world population in the future.
- Water can also be tackled in a more local way. See the problems in the region where the SU happens, and or visit a water treatment plant. It is a bit smelly but very interesting. For SUs in the Mediterranean, special focus on water scarcity should be done.

Games

5 groups and each one represent one continent (Europe, Asia, Africa, America, Australia). As participants were introduced with info regarding what water problems each continent faces (during workshop) they will be given a card which will say which continent they represent and what problem this region has (for revision). The aim is for each group to describe to other teams non-verbally (as in charades) these two clues (continent and problem). The team which will have more correct answers wins! :)

5. Energy

Topics for Workshops

- The importance of cutting down on electric appliances and general machinery
- How much energy should be used by each of us to save energy?
- Photovoltaic (solar powered machinery) and the differences with electric machinery and appliances
- How to apply solar energy in our lives
- Other ways to create green energy? (wind energy for example)
- Discussing why shutting down nuclear and gas/coal functioning energy

Activities

- Measurement of electric energy consumed by commonly and daily used machinery
- Measurement and realization of the importance of solar powered machines
- Build your own solar powered machine
- Visits to Solar energy plants are interesting
- Solar energy cooking device can be created (information available on different websites)

Games

a) "Punishing" (like during flag stealing) if someone is found guilty of leaving an appliance or lights on for no reason

b) I can't exactly think of another game than a hand-held one I remember from childhood (see the link below for images). by pressing one button it changes the buttons above, below, right and left opposite to what they were already (on or off). Goal is to set them all off.

Example: <http://xurl.es/bl962>

These are just some ideas and guidelines. If you have more things to add: feel free!

Waiting for your feedback,
EnWG