Sustainable cities now and then

AUSTRIA

Subject and disciplines	Nature and technology
Time, scheduled	17 lessons (50 minutes) distributed within several weeks with individual and shared classrooms
SDGs, primary, secondary goals	Primary Goal: - SDG 11: Sustainable cities and communities Secondary Goals (focused by different groups): - SDG 6: Clean Water and Sanitation - SDG 7: Renewable energy - SDG 9: Innovation and infrastructure - SDG 12: Responsible consumption - SDG 14: life below water - SDG 15: life on land
Purpose: Students collaborate on a comparative view on SDGs in their local contexts. • **They share challenges and solutions.** • **They build global skills.** • **They contribute to sustainable communities.**	
Problem statement for the SDG	***Which are the challenges modern and sustainable cities must take up and how can individual power, ideas and participation contribute to this goal?***
Work questions	What do sustainable cities need? How to meet up with individual needs within the population? Parameters of sustainable cities? Example of sustainable cities in the world? How sustainable is the city we live in? Which possible improvements can be made (by individual contribution)? What does it feel like to behave sustainable for 24 hours (optional)?
Working methods and data material	Group work on research, data collection, analysis and reflection Share of data and experience between the expert groups Field study
Collaborative learning and mediated meetings	Sharing of data and results, comparison of problems and solutions

	Reflection and discussion
Outputs and community	Presentations (powerpoint) for partner with results and experiences photo documentation of “field study” (e.g. garbage collection)
Shared materials and resources	See lessonplan of the module

DENMARK

DESIGN

Subject and disciplines	Social science subject: Innovation, Design, Economics, Sustainability, Logistics and Marketing
Time, scheduled	• **Session 1** – intro & start (2 h) • 1 week autonomous work (individual/group) primarily Research • **Session 2** – Goalsetting and plenum progress update (2 h) • 1 week autonomous work (individual/group) • **Session 3** – presentation of final results, feedback and evaluation (2 h) • **Session 4 EU session** – Exchange with Austria the work done at international level (DK+A) (2 h)
SDGs, primary, secondary goals	Primary Goal • 11: Sustainable Cities and Communities Secondary Goals • 6: Clean Water and Sanitation • 7: Renewable energy • 9: Innovation & Infrastructure • 12: Responsible Consumption
Purpose: Students collaborate on a comparative view on SDGs in their local contexts. • **They share challenges and solutions.** • **They build global skills.** • **They contribute to sustainable communities.**	
Problem statement for the SDG	***How to significantly expand sustainable Urban Design in the local environment; Vordingborg Kommune***
Work questions	1. How can the Urban Designer prevent the Youth Escape towards Copenhagen by rethinking Sustainability in the Design Process • Which Sustainable Iniatives should be taken into measure • Must the Urban Designeralso attract Tourists with Sustainable Iniatives

	• Could there be new Premises for Sustainable Housing • How can both Technology and Aestethics be integrated into Sustainable Solutions
Working methods and data material	Group work on Research data collection, analysis, Innovative Synthesis, presentation and mapping. Dialogue with local interest groups.
Collaborative learning and mediated meetings	Sharing of data and maps, comparison of problems and solutions
Outputs and community	• Summary document with recommendations for action put into a Visual Slideshow
Shared materials and resources	See lessonplan of the module

DENMARK

INNOVATION

Subject and disciplines	Social science subject: Innovation, Design, Economics, Sustainability, Logistics and Marketing
Time, scheduled	• **Session 1** – intro & start (2 h) • 1 week autonomous work (individual/group) primarily Research • **Session 2** – Goalsetting and plenum progress update (1.5 h) • 1 week autonomous work (individual/group) • **Session 3** – presentation of final results, discussion groupsfeedback and evaluation (3 h) • **Session 4 EU session** – Exchange with Austria the work done at international level (DK+A) (2 h)
SDGs, primary, secondary goals	Primary Goal • 11: Sustainable Cities and Communities Secondary Goals • 7: Renewable energy
Purpose: Students collaborate on a comparative view on SDGs in their local contexts. • **They share challenges and solutions.** • **They build global skills.** • **They contribute to sustainable communities.**	
Problem statement for the SDG	***On basis on current city's status on sustainable energy in your local community, you must come up with proposals for further sustainability in the chosen city in terms on Reneable energy . Your solution/concept must be well-founded, Innovative and well-designed.***
Work questions	1.: What is the present situation like 2.: How far can the Cradle 2 Cradle princip be used/exploited when it comes to Sustainable Energy 3.: WHat is the difference between Green, Blue, Greey and Black Hydrogen 4.: What is the main principle in the Seaborg Reactor

	5.: Which energy forms are prefereable in terms on Sustainability
Working methods and data material	Group work on Research data collection, analysis, Innovative Synthesis, presentation and mapping. Dialogue with local interest groups.
Collaborative learning and mediated meetings	Sharing of data and maps, comparison of problems and solutions
Outputs and community	• Summary document with recommendations for action put in to a Visual Slideshow
Shared materials and resources	See lessonplan of the module