

Introduction

# Sustainable cities and communities

**In this session:**

- Video: Patterns of urbanization
- SDGs and communities
- Video: What makes a city sustainable?
- Society's commitment

# More than half of world's population now lives in cities

Insert here a one or more graphs of the development of urban population in the world and in different continents and countries

# Cities are key to solve the climate and sustainability crises!

cities  
occupy 2%  
of global  
land area

cities use >2/3  
of global  
energy

cities produce  
>70% of carbon  
emissions

>90% of cities  
located in  
coastal areas  
(sea level rise!)

Source: C40 cities, [www.c40.org](http://www.c40.org)

**city governments can work  
closely with businesses,  
residents and institutions**



**new solutions can be  
implemented quickly  
and effectively**

**cities more effective than countries?**



# Age of Sustainable Development

- MOOC by the SDG Academy
- Chapter 11: Sustainable Cities
- **11.1 The Patterns of Urbanization Around the World**
- <https://www.youtube.com/watch?v=nCCnXRKV0TI>



# Four frameworks to advance sustainability in cities and communities

## In this lecture:

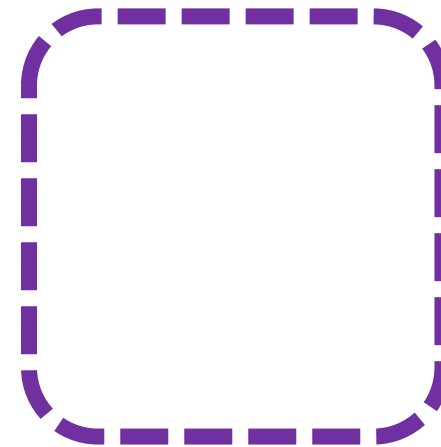
- Sustainable Development Goal 11
- Society's Commitment to Sustainable Development (Finland)

## In the next lecture:


- ISO 37101 standard Sustainable development in communities
- Circles of Sustainability method



Insert here a picture of the 17 Sustainable Development Goals (and go through them)

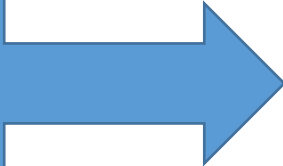


# SDGs and your home community - successes and challenges



Insert here a picture of the 17 Sustainable Development Goals

Students can discuss this in the classroom for 5 minutes, or over a coffee break, and report verbally



**Task 1**  
Give some examples of successes and challenges of SDGs in your home community (city, town, village)

# SDG 11

Make cities and human settlements inclusive, safe, resilient and sustainable

Insert a logo of SDG 11



Sustainable communities



# SDG 11.1

Insert a logo of SDG 11.1

## Safe and Affordable Housing

By 2030, ensure access for all to adequate, safe and affordable housing and basic services and upgrade slums.

## Turvallinen ja edullinen asuminen

Taata vuoteen 2030 mennessä kaikille riittävä, turvallinen ja edullinen asunto ja peruspalvelut sekä parantaa slummialueita.



# SDG 11.2

Insert a logo of SDG 11.2

## Affordable and Sustainable Transport Systems

By 2030, provide access to safe, affordable, accessible and sustainable transport systems for all, improving road safety, notably by expanding public transport, with special attention to the needs of those in vulnerable situations, women, children, persons with disabilities and older persons.

## Edullinen ja kestävä liikennejärjestelmä

Taata vuoteen 2030 mennessä kaikille turvallinen, edullinen, luotettava ja kestävä liikennejärjestelmä, parantaa liikenneturvallisuutta erityisesti lisäämällä julkista liikennettä ja kiinnittämällä erityistä huomiota huono-osaisten, naisten, lasten, vammaisten ja ikääntyneiden tarpeisiin.



# SDG 11.3

Insert a logo of SDG 11.3

## Inclusive and Sustainable Urbanization

By 2030, enhance inclusive and sustainable urbanization and capacity for participatory, integrated and sustainable human settlement planning and management in all countries.

## Yhtäläinen ja kestävä kaupungistuminen

Lisätä vuoteen 2030 mennessä laajamittaista ja kestävästä kaupungistumista ja mahdollisuuksia osallistavaan, integroituun ja kestäväan asuinyhdyskuntien suunnitteluun sekä hallintaan kaikissa maissa.

# SDG 11.4

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## Protect the World's Cultural and Natural Heritage

Strengthen efforts to protect and safeguard the world's cultural and natural heritage.

## Maailman kulttuuri- ja luontoperinnön suojeleminen

Tehostaa hankkeita maailman kulttuuri- ja luontoperinnön suojelemiseksi.



# SDG 11.5

Insert a logo of SDG 11.5

## Reduce the Adverse Effects of Natural Disasters

By 2030, significantly reduce the number of deaths and the number of people affected and substantially decrease the direct economic losses relative to global gross domestic product caused by disasters, including water-related disasters, with a focus on protecting the poor and people in vulnerable situations.

## Luonnonkatastrofien haittojen vähentäminen

Vähentää vuoteen 2030 mennessä merkittävästi katastrofien, kuten vesistöjen pilaantumisen, aiheuttamia kuolemantapauksia ja niille altistuvien ihmisten määrää sekä niihin liittyviä suoria taloudellisia tappioita suhteessa maailmanlaajuiseen bruttokansantuotteeseen panostaen erityisesti köyhien ja huono-osaisten suojelemiseen.



# SDG 11.6

Insert a logo of SDG 11.6

## Minimize the Environmental Impact of Cities

By 2030, reduce the adverse per capita environmental impact of cities, including by paying special attention to air quality and municipal and other waste management.

## Kaupunkien ympäristövaikutusten vähentäminen

Vähentää vuoteen 2030 mennessä kaupunkien haitallisia ympäristövaikutuksia kiinnittämällä erityistä huomiota esimerkiksi ilmanlaatuun sekä yhdyskunta- ja muiden jätteiden käsittelyyn.



# SDG 11.7

Insert a logo of SDG 11.7

## Build Safe and Inclusive Green Public Spaces

By 2030, provide universal access to safe, inclusive and accessible, green and public spaces, in particular for women and children, older persons and persons with disabilities.

## Turvallisten ja yhtäläisten vihreiden julkisten tilojen rakentaminen

Taata vuoteen 2030 mennessä yhtäläinen pääsy turvallisiin, osallistaviin, vihreisiin ja julkisiin tiloihin erityisesti naisille ja lapsille, ikääntyneille sekä vammaisille.



# SDG 11.A

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## Strong National and Regional Development Planning

Support positive economic, social and environmental links between urban, peri-urban and rural areas by strengthening national and regional development planning.

## Vahva valtakunnallinen ja alueellinen kehityssuunnittelu

Tukea kaupunkialueiden, niiden lähialueiden ja maaseudun välisiä positiivisia taloudellisia, sosiaalisia ja ympäristöön liittyviä yhteyksiä tukemalla kansallisia ja alueellisia kehityssuunnitelmia.





# SDG 11.B

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## Implement Policies for Inclusion, Resource Efficiency and Disaster Risk Reduction

By 2020, substantially increase the number of cities and human settlements adopting and implementing integrated policies and plans towards inclusion, resource efficiency, mitigation and adaptation to climate change, resilience to disasters, and develop and implement, in line with the Sendai Framework for Disaster Risk Reduction 2015–2030, holistic disaster risk management at all levels.

## Yhtäläisyys, resurssitehokkuus ja katastrofiriskien vähentäminen

Lisätä vuoteen 2020 mennessä merkittävästi niiden kaupunkien ja asuinyhdyskuntien määrää, jotka laativat ja toteuttavat osallistamiseen, resurssitehokkuuteen, ilmastonmuutoksen vaikutusten lievittämiseen ja niihin sopeutumiseen sekä katastrofeista selviytymiseen tähtääviä yhtenäisiä politiikkoja ja suunnitelmia, sekä kehittää ja toteuttaa kokonaisvaltaisia katastrofiriskien hallintatoimia kaikilla tasoilla Sendain toimintakehyksen 2015–2030 puitteissa.



# SDG 11.C

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## Support Least Developed Countries in Sustainable and Resilient Building

Support least developed countries, including through financial and technical assistance, in building sustainable and resilient buildings utilizing local materials.

## Vähiten kehittyneiden maiden tukeminen kestävässä rakentamisessa

Tukea vähiten kehittyneitä maita kestävien ja joustavien, paikallisista materiaaleista tehtyjen rakennusten pystyttämiseksi esimerkiksi rahoituksen ja teknisen avun keinoin.



Safe and  
Affordable  
**Housing**

Insert a logo of SDG 11

Build Safe and  
Inclusive Green  
**Public Spaces**

Affordable and  
Sustainable  
**Transport Systems**

Protect the World's  
**Cultural and Natural  
Heritage**

Minimize the  
**Environmental  
Impact of Cities**

Inclusive and  
Sustainable  
**Urbanization**

Reduce the  
Adverse Effects of  
**Natural Disasters**

## Examples from around the world?

- **biggest challenges?**
- **success stories?**

Safe and  
Affordable  
Housing

Build Safe and  
Inclusive Green  
Public Spaces

Affordable and  
Sustainable  
Transport Systems

Protect the World's  
Cultural and Natural  
Heritage

Minimize the  
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Inclusive and  
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Urbanization

Reduce the  
Adverse Effects of  
Natural Disasters



## Task 2

What makes a city, a town, a village attractive for people?

List at least five characteristics that every community should have.

# 11.2 What Makes a City Sustainable?

- Age of Sustainable Development MOOC by the SDG Academy
- Chapter 11: Sustainable Cities
  - <https://www.youtube.com/watch?v=F1D3xurxUM>



## 2 - Society's commitment



# National Commission of Sustainable Development (Finland)

- Finnish organ to advance sustainable development
- Chaired by the prime minister
- <https://kestavakehitys.fi/en/commission>
- manages Society's Commitment to Sustainable Development



# Society's commitment: Principles

- Cooperation and commitment
- Creative use of knowledge and expertise
- Limited carrying capacity of nature
- Broad-based cross-generational thinking
- Global responsibility
- Capacity for renewal and good governance

# Society's commitment: Objectives

1. **Equal** prospects for well-being
2. A **participatory** society for all
3. **Work** in a sustainable way
4. **Sustainable local communities**
5. A **carbon-neutral** society
6. A **resource-wise** economy
7. **Lifestyles** that respect the carrying capacity of **nature**
8. **Decision-making** that respects **nature**

# Commitments

In English: <https://commitment2050.fi/>

In Finnish: <https://sitoumus2050.fi/>

- companies, organizations and individuals are encouraged to make a commitments to advance the SC2SD objectives
- commitments can be targeted to one ore more of the objectives (see previous page)
- commitments are published on the website
- progress and completion are reported

# Society's Commitment to Sustainable Development

## 4. Sustainable local communities 1

- We will create **sustainable** and **safe** communities, where **jobs**, **housing**, comprehensive **services**, sustainable **transport** systems, the use of information and communication **technology**, and **green areas** support economic, social and cultural **well-being**, as well as the well-being of the **environment**.



# Society's Commitment to Sustainable Development

## 4. Sustainable local communities 2

- We will strengthen local communities by supporting an **active civil society**, and by developing meeting places, operating models and local decision-making that promote **social learning and influence**, so that citizens can create **pleasant** and **healthy** living environments for themselves.



# Society's Commitment to Sustainable Development

## 4. Sustainable local communities 3

- We will **reduce** the need for **traffic**, **increase telecommuting** arrangements and strengthen electronic services.



# Society's Commitment to Sustainable Development

## 4. Sustainable local communities 4

- We will **prepare for changes** in climate and water levels and promote local **adaptation** to climate change.



# Commitments to objective 4

In English: <https://commitment2050.fi/>

In Finnish: <https://sitoumus2050.fi/>

## Task 3:

Visit the Commitments website and find three different commitments from companies, organizations and individuals to advance sustainable cities or communities.



# Lecture summary

- urbanization of world population
  - Agenda 2030, Sustainable Development Goals, SDG 11
  - Society's Commitment 2050 (Finland)
- **ingredients for a sustainable city** (community, human settlement)



# Task 4

- Make your own list of criteria for a sustainable community, based on Lecture 1 contents and your own ideas.
- Design it as a A4 size poster.
- You can do the task with your co-students

Inspiration for students and teachers:  
<http://worldslargestlesson.globalgoals.org/global-goals/sustainable-cities-and-communities/>

# Learning diary questions

- a) Summarize the main points of this lecture
  - approx. half a page
- b) Answer to tasks 1, 2 and 3
  - approx. half a page
- c) Complete task 4
  - 1 page poster

