



LUND
UNIVERSITY

Greening the Economy: Sustainable Cities

MASSIVE OPEN ONLINE COURSE (MOOC) AT THE INTERNATIONAL INSTITUTE FOR INDUSTRIAL ENVIRONMENTAL ECONOMICS (IIIEE)



HOW CAN WE SHAPE URBAN DEVELOPMENT TOWARDS SUSTAINABLE AND PROSPEROUS FUTURES?

This course will explore sustainable cities as engines for greening the economy. We place cities in the context of sustainable urban transformation and climate change. Sustainable urban transformation refers to structural transformation processes – multi-dimensional and radical change – that can effectively direct urban development towards ambitious sustainability and climate goals.

We will connect the key trends of urbanization, decarbonisation and sustainability. We will examine visions, experiments and innovations in urban areas. We will look at practices (what is happening in cities at present) and opportunities (what are the possibilities for cities going forwards into the future). We bring together a collection of diverse short films and key short readings on sustainable cities as well as interactive forums and a practical assignment to create an online learning community.

This course provides key examples of activities to promote sustainable cities in Scandinavia, Europe and around the world. We utilize films and reports by WWF, the Economist Intelligence Unit, ICLEI – Local Governments for Sustainability, UN-Habitat, C40 Climate Leadership Group, Arup, Sustainia, the Rockefeller Foundation, and ongoing research

projects. This course is produced by Lund University in cooperation with WWF and ICLEI. It is available for free to everyone, everywhere!

The International Institute for Industrial Environmental Economics (IIIEE) at Lund University is an international centre of excellence on sustainable solutions. The IIIEE is ideally suited to understand and explain the interdisciplinary issues in sustainable cities and greening the economy utilising the diverse disciplinary backgrounds of its international staff. The IIIEE has been researching and teaching on sustainable solutions since the 1990s and it has extensive international networks connecting with a variety of organizations.

SEE INTRODUCTION FILM - [CLICK HERE](#)

SIGN UP - [CLICK HERE](#)

COURSE DETAILS

5 HOURS/WEEK

5 WEEKS

30 FILMS

10 TEACHERS



MAIN INSTRUCTORS



KES MCCORMICK
Associate Professor,
Lund University



LENA NEIJ
Professor,
Lund University



HARRIET BULKELEY
Professor,
Durham University



JAMES EVANS
Professor,
Manchester University

SYLLABUS OVERVIEW

Week 1 – Sustainable Urban Transformation

Sustainable Urban Transformation
Sustainable Cities
Urban Climate Governance
The Efficient City
WWF Housing
ICLEI Participatory Urban Agriculture in Quito, Ecuador

Week 2 – Infrastructure and Planning

Infrastructure and Planning
Building Standards in the Built Environment
Cities and Climate
Lighting the Future
WWF Transport
ICLEI Building Urban Resilience in Boulder, USA

Week 3 – Urban Living Labs

Climate Governance and Urban Experiments
Urban Living Labs
Urban Innovation and Living Labs
Governance of Urban Sustainability Transitions
WWF Positive
ICLEI Energy Housekeeping in Seoul, Republic of Korea

Week 4 – Future Urban Visions

Visioning Cities for the Future
Smart Sustainable Cities
Earth Hour City Challenge
Visions and Pathways 2040
WWF Food
ICLEI Carbon Literacy in Manchester, UK

Week 5 – Sustainable Urban Lifestyles

Sustainable Urban Lifestyles
WWF and Sustainable Cities
Cities and the Sharing Economy
The Sustainability Challenge
WWF Consumption
ICLEI Joint Climate Action in Joondalup, Australia

COURSE REVIEWS

22 000 TOTAL VISITORS

5 000 ACTIVE LEARNERS

500 COURSE COMPLETERS

“Excellent course, with very informative and captivating lectures and videos.”

“I have already tried several courses but this one is a game changer! Highly recommended!”

“It is a very important course! I love it! The material is amazing!”

“Thank you so much for your time and effort in putting this course together. It was a huge inspiration.”

“I thoroughly enjoyed learning about the concepts, experiments, and initiatives on urban sustainability in Scandinavia and from other parts of the world.”

“This course is a great opportunity for learning key concepts about our role in real transformation of cities for sustainability.”

“Great introductory course. Easy to follow, interesting structure.”