THE CLIMATE CLASSROOM @ COP22

CIRCULAR ECONOMY WORKBOOK
MARRAKESH, MORROCO | NOVEMBER 2016
**THE CLIMATE CLASSROOM @COP22**

The Climate Classroom @ COP22 is an innovative learning experience, designed for anyone interested in getting up to speed on selected climate change topics through 45-minute lessons and open particularly to members of LDC delegations. This is an initiative of the Swiss Agency for Development and Cooperation (SDC) and The One UN Climate Change Learning Partnership (UN CC:Learn), in collaboration with the UNDP/UNEP/GEF project “Building Capacity in LDCs to Participate Effectively in Intergovernmental Climate Change Processes”.

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**ABOUT THE SWISS AGENCY FOR DEVELOPMENT AND COOPERATION**

The Swiss Agency for Development and Cooperation (SDC) is Switzerland’s international cooperation agency within the Federal Department of Foreign Affairs (FDFA). In operating with other federal offices concerned, SDC is responsible for the overall coordination of development activities and cooperation with Eastern Europe, as well as for the humanitarian aid delivered by the Swiss Confederation.

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**ABOUT UN CC:LEARN**

UN CC:Learn is a partnership of more than 30 multilateral organizations supporting countries to design and implement systematic, recurrent and results-oriented climate change learning. UN CC:Learn contributes to the implementation of Article 6 of the UNFCCC on training, education and public awareness-raising, and the 2012-2020 Doha Work Programme. The Secretariat for UN CC:Learn is provided by UNITAR. Funding for UN CC:Learn is provided by the Swiss Government and UN partners.

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**ABOUT THE LDC CLIMATE CHANGE NEGOTIATOR GLOBAL PROGRAMME**

“Building Capacity in LDCs to Participate Effectively in Intergovernmental Climate Change Processes” is a global programme implemented by UNDP and UNEP and funded through the Global Environment Facility (GEF). The programme began in July 2014. It features a series of face-to-face training for emerging negotiators, seminars for senior negotiators and coordinators and e-learning courses on Climate Change Diplomacy.
GET STARTED!

Place the headset comfortably on your head. If you wear glasses or earrings, fix the headset so that you do not feel any discomfort.

Make sure that the microphone does not touch your face or clothes and that it is on the level of your mouth.

To turn on the headset controller press button for 3-4 seconds. You should be able to see the following on the display: speaker icon, headset icon, text “GUEST” and group “12”.

You can control the volume level by pressing the ‘+’ and ‘-’ signs. It is possible that the sound levels may change during the classroom.

If you would like to speak to the instructor and colleagues, please raise your hand and talk by pressing the talk button as long as you need to speak.

If you need any assistance with the equipment, please contact one of the classroom assistants.
ABOUT THE INSTRUCTOR

Gary Crawford is employed by Veolia as Vice President of International Affairs. He has over 25 years of experience in the waste industry and has held various operational, technical, and managerial positions. His focus is on emerging growth markets associated with cross-cutting subjects such as the Circular Economy, Climate Change and Smart and Sustainable Cities. He is also responsible for identifying new business models for developing economies that deliver sustainable development benefits and business value.

He is a member of the Board of the International Solid Waste Association (ISWA) and is Chair of the ISWA Working Group on Climate Change and Waste Management. Representing ISWA, he is a member of the Steering Group and Lead Partner of the Climate and Clean Air Coalition (CCAC) Municipal Solid Waste Initiative.

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ABOUT THE CIRCULAR ECONOMY

A circular economy offers an innovative approach that decouples economic growth and development from the consumption of finite resources. It is characterised as an economy that is restorative by design and aims to keep products, components and materials at their highest utility at all times (Source: Ellen MacArthur Foundation).

SUMMARY OF THE CLASS

Key Concepts: Circular economy, Sharing economy, Sustainable consumption and production

DISCUSSION:

– We need to move away from a linear economic model “take, make, dispose”
– Why do we use the term “circular”?  
– The principles of circular economy: Preserve and enhance natural capital, optimise resource yields
– The characteristics of the circular economy: Regenerate, Share, Optimise, Loop, Virtualise, Exchange

EXAMPLES:

– Urban heating system based on biomass from wood and straw (Pécs, Hungary)
– A biorefinery that converts wastewater and waste into clean water and energy and other usable by-products (Billund, Denmark)
– PET “Bottle to Bottle” recycling process (Rostock, Germany)

KEY MESSAGE:

– The circular economy offers an opportunity to reinvent our economy, making it more sustainable and competitive
– The circular economy is a tool that can help mitigate climate change
REFLECTION

- In your country, can you identify if and what steps were taken for implementing a shift towards circular economy?
- What are the links between climate change and circular economy?
- What can be the role of governments? Of private sectors? Of civil society?

Find the Circular Economy characteristics (6)

Answer: Vertical: share, exchange, optimize; Horizontal: regenerate, virtualize
REFERENCES FOR FURTHER LEARNING

PUBLICATIONS


E-LEARNING

UN CC:Learn offers a free Introductory e-Course on Climate Change. To access this course and explore other e-learning resources on climate change and related topics, go to: www.uncclearn.org

Other options for further learning online include series of paced e-courses on Green Economy, offered by PAGE, and on sustainable consumption and production, offered by UNEP and UNITAR. For further information, go to: www.unitar.org/event

To access all resources and more visit http://www.uncclearn.org/climate-classroom-cop22-circular-economy or scan the QR CODE.
NOTES
SCHEDULE

Paris Agreement - focusing on the Paris Agreement
Wednesday 9 November 2016, 11:00 am - 11:45 am
Thursday 10 November 2016, 10:00 am - 10:45 am (in French)
Friday 11 November 2016, 12:00 pm - 12:45 pm (*UNDP Pavilion*)

Circular Economy - focusing on the pathways to a low-carbon economy
Thursday 10 November 2016 12:00 pm - 12:45 pm
Tuesday 15 November 2016, 11:00 am - 11:45 am (in French)

Climate Action - focusing on the NDCs
Friday 11 November 2016, 9:00 am - 9:45 am

Climate Finance - focusing on financing flows and instruments
Saturday 12 November 2016, 11:00 am - 11:45 am

Climate Empowerment - focusing on education and awareness raising
Monday 14 November 2016, 10:00 am - 10:45 am

All sessions take place at the Climate Change Studio, with one exception indicated above.