



Bournemouth
University

Welcome to the Green Economy MSc Webinar

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The information on
this presentation is
correct at the time of
recording 11.05.2017

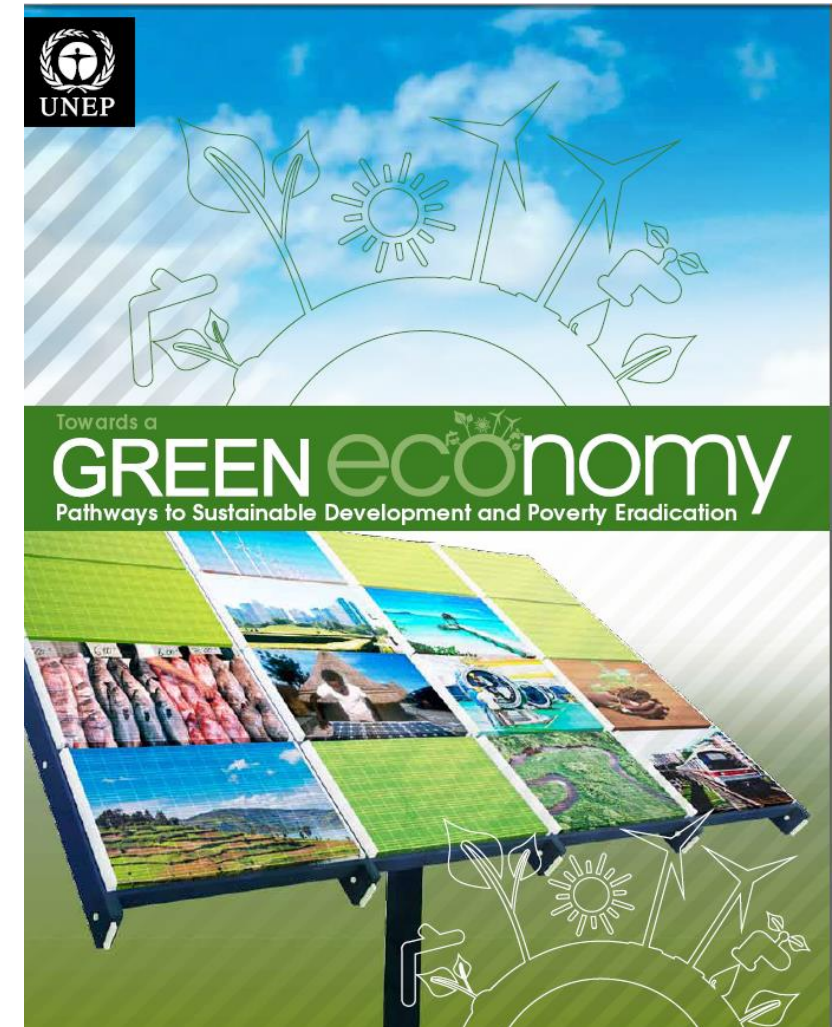
Contents of this talk

- Background to our course
- Key features of the course
- Details of the course
- What to expect
- Employability

Background

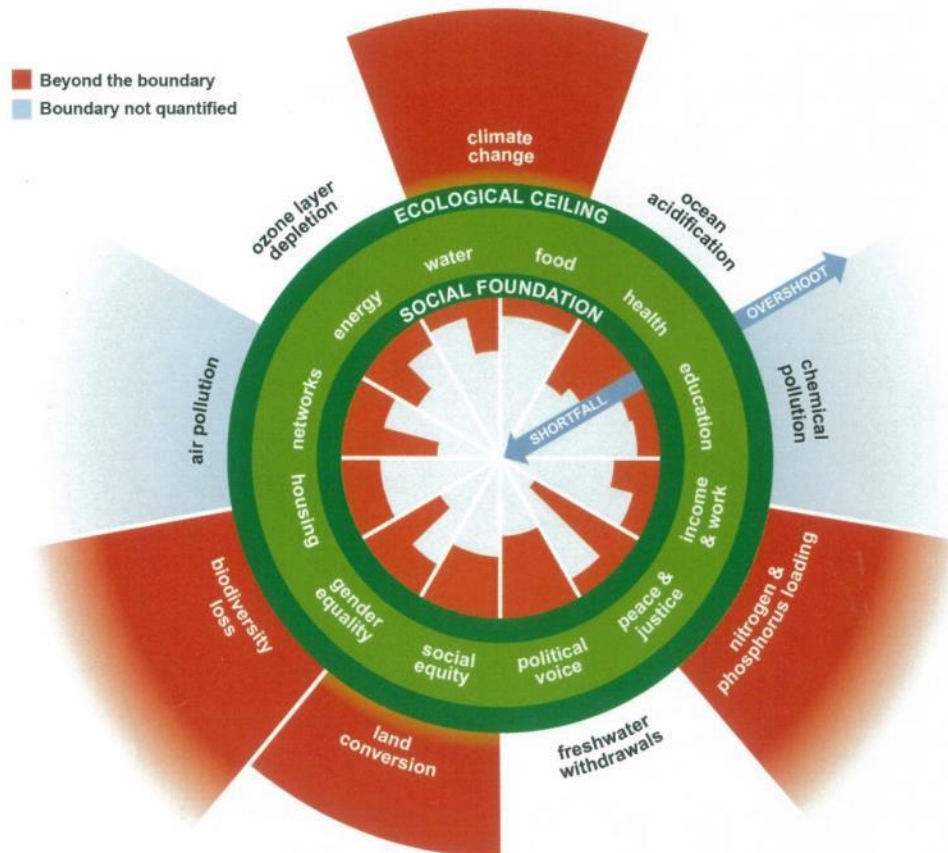
The **Green Economy** at the international level:

- As a result of the global market and financial crisis in 2008 , calls were made in the global policy arena for a Global Green New Deal (GGND)
- Following the GGND study, the UNEP Green Economy Report was published in 2011
- Offers a potential solution to environmental and economic crises – **a win-win solution**



Background

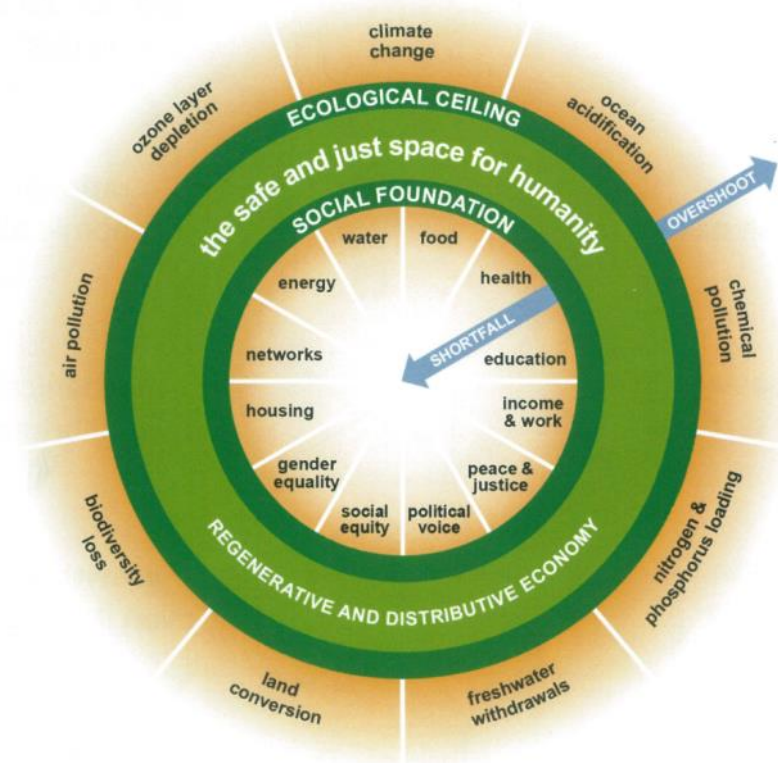
The state of humanity
and our planetary home



DOUGHNUT ECONOMICS

Seven ways to think like a 21st century economist

KATE RAWORTH



If humanity's 21st century goal is to get into the Doughnut,
what economic mindset gives us the best chance of getting there?

cont.

Background

No agreed Green Economy definition:

- “An economy that results in improved human well-being and reduced inequalities over the long term, while not exposing future generations to significant environmental risks and ecological scarcities” (UNEP 2011).
- “In its simplest expression, such an economy is low carbon, efficient and clean in production, but also inclusive in consumption and outcomes, based on sharing, circularity, collaboration, solidarity, resilience, opportunity, and interdependence” (UNEP 2015).



Source: UNDESA (2012) *A guidebook to the Green Economy. Issue 1: Green Economy, Green Growth, and Low-Carbon Development – history, definitions and a guide to recent publications*. UNDESA, New York.

Background

The Green Economy at BU level:

- Project led by Prof. Adrian Newton on 'Developing the Green Knowledge Economy' started in 2009
- MSc Green Economy was developed and validated in 2010-2011 and has run since then





MSc Green Economy

Study from anywhere in the world

Key features of the course

Flexible

- Delivered entirely by distance learning (full/part-time)
- Dissertation option to take as a professional placement
- Can be combined with paid or voluntary employment

Topical

- The development of a green economy is a political and socio-economic imperative
- Acquire the knowledge and skills to enable the transition to a green economy



Adrian C. Newton and Elena Cantarello

AN INTRODUCTION TO THE GREEN ECONOMY

Science, systems and sustainability



Key features of the course

Interdisciplinary

- Drawing from environmental science, technology, social science, psychology, geography, law and economics

Employability

- Develop professional skills in a workplace of your choice
- Open up job opportunities across many sectors

Details of the course

Includes six taught units:

- Carbon management and climate change
- Frontiers of sustainability science
- Biodiversity and ecosystem services
- Green technology and renewable energy
- Sustainable development in practice
- Environmental law and social justice

Plus a research project OR extended professional placement

- Each unit can be taken as CPD

January or
September
start

Details of the course

Examples of research project or professional placement titles:

- An investigation of the technologies and implementation of large-scale **onshore wind turbines and solar photovoltaics** within the south-west of England
- **Desalination** in the UAE and its environmental impact with a particular focus on Reverse Osmosis technology powered by Photovoltaic system
- Sustainable **buildings**, the way forward
- **Waste** policy, the waste hierarchy, mitigation of greenhouse gas emissions and extended marginal abatement cost - the Malta case
- Valuing **ecosystem services** and environmental capital in Dorset UK
- Preparation of a **Carbon Management Plan** for Bridport Town Council
- Transitioning **small to medium sized organisations** to a sustainable future
- The impact of **microfinance** on sustainability: A case study of the MFI Pamecas pairing microfinance with microinsurance in Guédiawaye, Senegal
- The **Poverty-Environment Initiative** (PEI) of Lao PDR, UNDP-UNEP
- Research internship placement with the **Environmental Association for Universities and Colleges** (EAUC)
- Internship in international project management at **Ramboll** in the Water & Environment Division

Who teaches on the course



Dr Elena Cantarello
(Course leader)

Carbon management,
Green technology



Prof Adrian Newton

Sustainability, Biodiversity
and Ecosystem Services



Prof Chris Shiel

Environmental law and
social justice, Education
for sustainable
development



Dr Marin Cvitanović

Sustainable development
in practice

Other staff in our department: <https://www1.bournemouth.ac.uk/about/our-faculties/faculty-science-technology/our-departments/departments-life-environmental-sciences/departments-life-environmental-science-staff>

What to expect

- All learning materials provided through a Virtual Learning Environment.
- Research publications which you will be required to critically evaluate, as a basis for your assignments (no exams).
- **Problem-based learning** supported through additional elements of your assignments, which focus on application of the knowledge gained to real-world problems, through use of a variety of different skills (e.g. conceptual modelling, scenario development, presentational skills, development of carbon management plans, etc.).
- **Formative feedback** provided on all draft assignments.

Employability

- Can create large numbers of green jobs across many sectors of the economy.
- Includes manufacturing, research and development (R&D), administrative, and service activities that improve environmental quality.
- Includes jobs that:
 - help to protect ecosystems and biodiversity;
 - reduce energy, materials, and water consumption;
 - de-carbonize the economy;
 - minimize generation of waste and pollution.

Employability

Did you know that...



Rising youth unemployment is one of the most significant problems facing economies and societies in today's world, for developed and developing countries alike.

Over the next decade, at least
475
million new jobs need to be created to absorb the
73
million youth currently unemployed and the
40
million new annual entrants to the labour market.¹

1.44
billion workers worldwide are in vulnerable employment.²

“Attaining decent work is a significant challenge for youth.”

“Despite progress and economic growth, inequalities and poverty persist in many parts of the world.”

On average, for countries in which data is available, the wealthiest 10% earn **30-40%** of the country's total income.



By contrast, the poorest 10% earn around **2%** of the total income.³



The global unemployment rate (%)	6.4	5.7
The global labour force participation rate (%) ⁴	68.7	81.7

For all countries, **climate change** represents an urgent and potentially irreversible threat.

15-60 million new jobs could be generated globally over the next two decades through the transition to a **greener economy.**⁵

“All Member States have priorities for transition to green economies and climate resilient societies.”

Employability



Graduates and alumni



1st

Lucy Harbor

Director at Cool World Consulting

Cool World Consulting • Bournemouth University

London, Greater London, United Kingdom • 404

Director and founder of **award-winning environmental consultancy** that works with organisations to reduce their environmental impact. Services include devising carbon footprint and/or air pollution reduction plans, and leading environmental campaigns (no idling, greener travel with the public and staff). Currently delivering a Mayor of London-funded, pan-London anti-idling campaign for 12 local authorities.



MSc Green Economy @mscgreeneconomy · Mar 6

Lucy Harbour former @mscgreeneconomy student on @BBCBreakfast today #airpollution. Great job, Lucy @CWC_carbon



3



1



Graduates and alumni



Working as part of the council's Economic Development and Sustainability Team, my main areas of responsibility are around climate change adaptation and mitigation, global reporting to the Compact of Mayors initiative through the CDP platform, developing the council's environmental management system and encouraging internal and external environmental improvements through the creation and implementation of policies, planning guidance and behaviour change campaigns.

I am increasingly working with local businesses to improve operational efficiency and reduce area based carbon emissions. I represent the council in the Sustainable Business Leadership Group and assist with the management and organisation of the group. I also administrate the Fairtrade Bournemouth campaign, working with colleagues, businesses and residents to encourage sustainable and ethical consumer purchasing.

Graduates and alumni



2nd

Will Nicholson

IntoFood sustainability solutions (food service industry)

IntoLife • Bournemouth University

Oslo Area, Norway • 500+ &

IntoFood sustainability solutions (trademarked technologies provided by IntoLife) allow food service businesses to develop sustainability within their business strategy and cut their food costs.

Our solutions allow you to measure your sustainability, develop more sustainable solutions, and sell more sustainable menus to your customers. Good for the planet, good for your business.

Clients include international and national organisations (for example, ISS Catering, Nordic Choice Hotels, Scandic Hotels, Compass Group, Fazer, SiO (Norwegian student catering) and NSB (the Norwegian national rail operator)) as well as independent restaurants and caterers. You can read more about our solutions at www.intolife.no.



Will Nicholson Recommended! I took 3 years, combined with my job, and my research dissertation has grown into a small business. Very valid education



Like · Reply · Message · 1 · 23 hrs

Graduates and alumni



2nd

Paul Boylan

Technical Director - Vivid Edge

Vivid Edge • Bournemouth University

Ireland • 500+ 

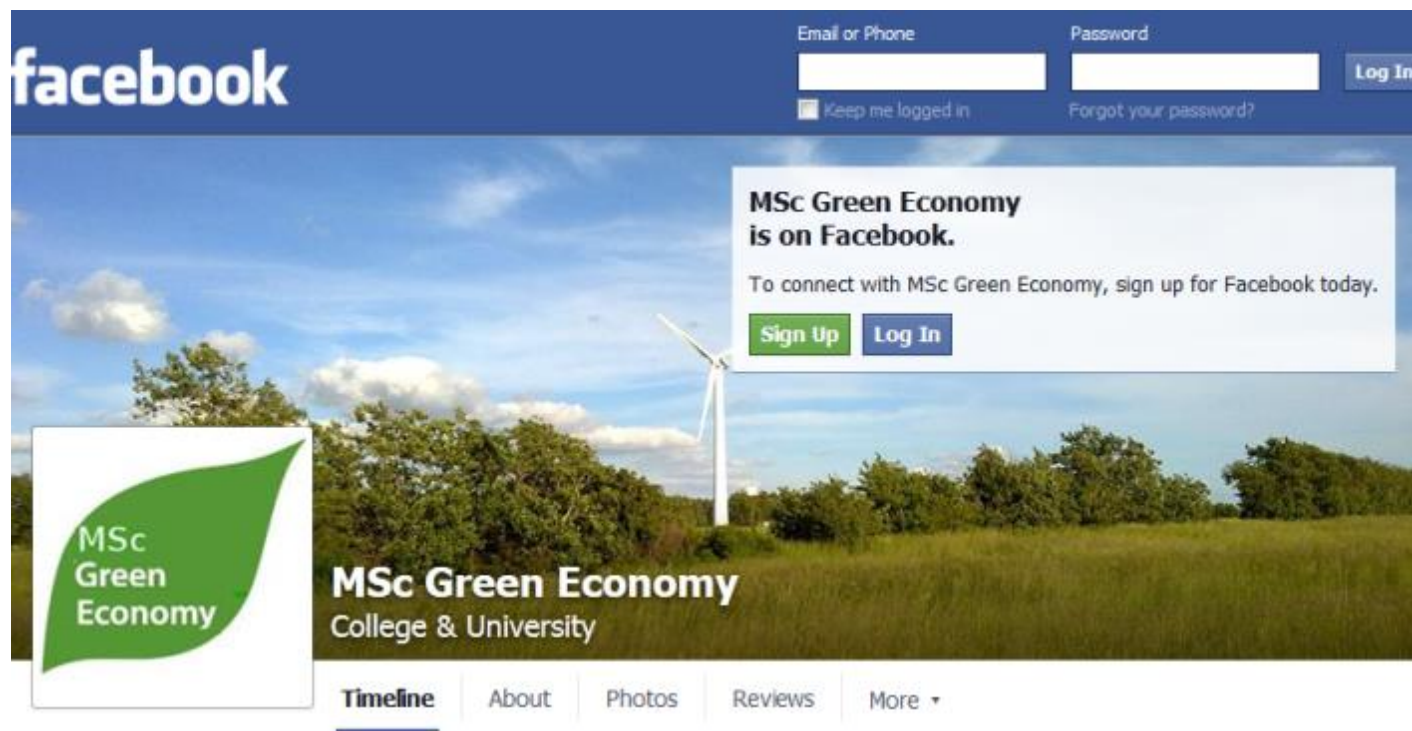
Setting aside my passions for Engineering, Project Management, Premises Operations and Maintenance etc., I am very engaged in matters of sustainability and my focus in recent years has been on implementing energy/environmental initiatives, sharing best practices, raising awareness and closing the loop on the many strands associated with 'being green'. These strands range anywhere from corporate social responsibility to participation in the green economy.

I have departed from Citi to explore new ideas/opportunities more aligned to my career aspirations. Inevitably, the climate change argument is over and there is an urgent and present need to embrace sustainable development. There are opportunities for all those who wish to engage and participate in the Green Economy so please feel free to contact me at pboylan@pbienenergy.ie if you wish to discuss and I will respond swiftly.

Some student feedback

- “I would like to take this opportunity to thank the tutors for the three wonderful units I have undertaken so far. All communications have been timely, informative and pleasant. I am thoroughly enjoying the course and have found the content to be extremely relevant to my current area of work. Delivery of the individual units and the course as a whole has been at a very high standard, as has the content. I am very satisfied with all aspects and would thoroughly recommend the course to others”. Ivonne
- “It has been great studying the MSc and I feel I have taken a lot from it. I feel as the knowledge and experience I have gained has prepared me significantly more for work within the environmental sector, as I hope to pursue in future. The units were well structured and interesting, and the work load has definitely helped me become more disciplined in meeting regular deadlines. I hope that the course continues it's success, and acts as an exemplar of distance learning - which so well fits with the ethos of this discipline”. Steven
- “I must say that I have thoroughly enjoyed the course, it was a challenge but I think it is important and a help that I found the course content deeply interesting and that the subjects are a passion of mine, which all that helped me through it. Thanks for all your help, I am looking forward to meeting you next year, all going well. I am also looking forward to finding a career path in which to put what I have learned over the last year into practice, this might be difficult in the current climate in Ireland but I think things are beginning to look up. Best of luck for the new academic year”. Aiden

Stay in touch



#greeneconomy

Any questions?

Find out more...

Visit:
www.bournemouth.ac.uk/green-economy

General course enquiries:
Futurestudents@bournemouth.ac.uk

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Find out more information:

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www.bournemouth.ac.uk/international
- Local contacts in your country:
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- Fees and funding: www.bournemouth.ac.uk/pg-funding
- Course information:
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