

# Course Reader

## Global Challenges and Sustainable Futures

CEMUS | Centre for Environment and Development Studies | Autumn Semester 2015

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1<sup>st</sup> Sept

### Introduction Meeting and Roll Call

#### Global Challenges & Sustainable Futures: What are you doing here?

##### **Foundation Resources**

Global Sustainability and Planetary Boundaries - Wired (2014, 4min01). Available at: <https://www.youtube.com/watch?v=ua8PEG0AlsI>

Sachs, Wolfgang (1999), 'The Archaeology of the Development Idea,' Chapter 1 in *Planet Dialectics*.

Dawe, Neil K. & Ryan, Kennerth L. (2003), 'The Faulty Three-Legged-Stool Model of Sustainable Development,' *Conservation Biology*, Vol. 17, No. 5, p.1458-1460.

Why it's time for 'Doughnut Economics', Kate Raworth - TEDxAthens (2014, 16min52). Available at: <https://www.youtube.com/watch?v=1BHOflzXPjI>

Hardin, Garrett (1968), 'Tragedy of the Commons,' *Science*, Vol.162, p.1243-1248.

##### **Critical Perspectives on Education**

Changing Education Paradigms – Ken Robinson (2010, 11min40). Available at: <http://www.youtube.com/watch?v=zDZFcdGpL4U>

Freire, Paulo (1970), Chapter 2 in *Pedagogy of the Oppressed*.

Grandin, Jakob (2011), 'Education for Sustainable Development is a generation issue: In search of an educational model that will not destroy the planet' in *Transcending Boundaries. How CEMUS is changing how we teach, meet and learn*.

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### Introduction Lecture GCSF 2015

#### Global Challenges: When & why did challenges become global?

Raworth, Kate (2012), 'A Safe and Just Space for Humanity,' *Oxfam Discussion Paper*

Dicken, Peter (2010), 'Introduction: Questioning Globalization,' Chapter 1 in *Global Shift: Mapping the Changing Contours of the World Economy*

Ehrlich, Paul R. & Ehrlich, Anne H. (2013), 'Can a collapse of global civilization be avoided?' *Proceedings of The Royal Society*, 280:20122845

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- Part 1 – Foundation Concepts.
- Part 4 – Biodiversity

## 15<sup>th</sup> Sept **Workshop 1: Kick-Off 30 Day Challenge**

Gladwell, Malcolm (2010), 'Small Change: Why the revolution will not be tweeted,' *The New Yorker*

Goleman, Daniel (2009), 'The New Math,' Chapter 5 in *Ecological Intelligence: How Knowing the Hidden Impacts of What We Buy Can Change Everything*.

The Story of Stuff (2007, 21min25). Available at:  
<http://storyofstuff.org/movies/story-of-stuff/>

Zero Waste Lifestyle (2015, 8min31). Available at:  
[https://www.youtube.com/watch?feature=player\\_profilepage&v=y583QTbetsQ](https://www.youtube.com/watch?feature=player_profilepage&v=y583QTbetsQ)

Zero Waste Home – Website and Blog. Available at:  
<http://www.zerowastehome.com>

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- Part 16 – Call to Action

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## 22<sup>nd</sup> Sept **Environmental Justice: Global Politics & the Role of individuals/groups.**

Climate Change Is a Crisis We Can Only Solve Together – Naomi Klein (2015, 27min10). Available at:  
<https://www.youtube.com/watch?v=IBzUejeu3Jw> (Written text in course reader)

Cha, Mijin (2015), 'Diversity is the Lifeline for the Future of the Climate Movement,' *Tikkun Magazine*

Bradley, Karin; Gunnarsson-Östling, Ulrika and Isaksson, Karolina (2008), 'Exploring Environmental Justice in Sweden – How to improve planning for environmental sustainability and social equity in an "Eco-Friendly" Context', *Projections*, Vol.8, p.68-81

Hay, C. (2002). Beyond Structure versus Agency, Context versus Conduct. In B. G. Peters, J. Pierre, & G. Stoker (Eds.), *Political Analysis* (pp. 89–134).

The History of Climate Change Negotiations in 83 seconds (2012, 1 min23). Available at: <https://www.youtube.com/watch?v=B11kASPFyXy>

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- Part 2 – Climate

**29<sup>th</sup> Sept    Workshop 2: Local/Regional Challenges + Book discussion  
Challenges around the World**

Finish reading *The Collapse of Western Civilization* by Naomi Oreskes and Erik M. Conway as we will focus on this book during the session.

The Carbon Map (short video, and play around) <http://www.carbonmap.org>

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- Part 7 – Culture and Behavior

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**6<sup>th</sup> Oct        Ethics and our Responsibility to Future Generations**

Singers, Peter (2010), 'Environment,' Chapter 10 in *Practical Ethics Second Edition*.

Löfquist, Lars (2008), 'Abstract;' and 'Future Generation and Nuclear Waste Management,' Chapter 7 in *Ethics Beyond Finitude: Responsibility Towards Future Generations and Nuclear Waste Management*.

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**13<sup>th</sup> Oct       Seminar I: 30 Day Challenges presentations & Kick-Off Group Project**

Roseland, Mark (2007), 'The Context for Sustainable Communities,' Chapter 1 in *Towards Sustainable Communities*

Becker, William (2014), 'Why Everyone Should Be a Futurist?' Chapter 3 in *Creating a Sustainable and Desirable Future: Insights from 45 Global Thought Leaders*

Meadows, Donella, Randers, Jorgen & Meadows, Dennis (2004), *A Synopsis The Limits to Growth: The 30-Year Update*.

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**20<sup>st</sup> Oct       How do we think about the Future?**

Costanza, Robert & Kubiszewski, Ida (2014), 'Why We Need Visions of a Sustainable and Desirable World,' Chapter 1 in *Creating a Sustainable and Desirable Future: Insights from 45 Global Thought Leaders*

Waghorn, Terry (2014), The World We Made: Jonathan Forritt, *Forbes*

Candy, Stuart (2012, 7min17) Going Nowhere, at Pecha Kucha Melbourne. Available at: <https://vimeo.com/channels/leala/63217332>

**27<sup>th</sup> Oct**      **Futures, Sustainability and Democracy.  
How do we decide about the future?**

Giddens, Antony (1994), *Modernity under a Negative Sign: Ecological Issues and Life Politics In Beyond Left and Right*

Beck, Ulrich (2002), *The Silence of Words and Political Dynamics in the World Risk Society*

Barclay M. Hudson, Thomas D. Galloway & Jerome L. Kaufman (1979): Comparison of Current Planning Theories: Counterparts and Contradictions in *Journal of the American Planning Association*, Volume 45, Issue 4.

Clausen, L.T., Hansen, H.P. and Tind, E., 2010. Democracy and Sustainability: A Lesson Learned from Modern Nature Conservation. In K. A. Nielsen, B. Elling, M. Figueroa, E. Jelsøe, eds. *A new agenda for sustainability*.

Nielsen, Helle, Hansen, Hans Peter & Sriskandarajah, Nadarajah (Forthcoming 2016): Recovering Multiple Rationalities for Public Deliberation within the EU Water Framework Directive, in *Commons, Sustainability, Democratization: Action research and the Basic Renewal of Society*.

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**3<sup>rd</sup> Nov**      **Sustainable Development Goals**

The Millennium Development Goals Report 2014, 'Overview'

Ford, Liz (2015), 'Sustainable Development Goals: all you need to know,' *The Guardian*

'Sustainable development goals: changing the world in 17 steps – interactive,' *The Guardian* (2015) Interactive website available at: <http://www.theguardian.com/global-development/ng-interactive/2015/jan/19/sustainable-development-goals-changing-world-17-steps-interactive>

Griggs, David (2013), 'Sustainable development goals for people and planet,' *Nature*, Vol. 495, p. 305-307

United Nations Department of Economic and Social Affairs (2015), *Transforming our world: the 2030 Agenda for Sustainable Development*. Document available at: <https://sustainabledevelopment.un.org/post2015/transformingourworld>

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**10<sup>th</sup> Nov**      **Seminar II: Literature Seminar**

Finish reading and prepare to discuss *2052: A Global Forecast for the next 40 years* by Jørgen Randers

**17<sup>th</sup> Nov     Inspirations for Actions: Corporate perspective**

Mark-Herbert, Cecilia, Rotter, Julia, & Pakseresht, Ashkan (2010), 'A Triple Bottom Line to Ensure Corporate Responsibility' in Berg, Per (ed) *Timeless Cityland*.

Rotter, J.P., Airike, P.-E. & Mark-Herbert, C. (2013), 'Category management in Swedish food retail: Challenges in ethical sourcing,' in *The ethics of consumption. The citizen, the market and the law*

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**24<sup>th</sup> Nov     Inspirations for Actions: Municipal perspective**

WWF (2013), Urban Solutions for a Living Planet – Learning cases. Stockholm, Sweden.

Dymén, Christian & Langlais, Richard (2012), 'Adapting to Climate Change in Swedish Planning Practice,' *Journal of Planning Education and Research*, Vol. 33, p. 108-11

WWF (2013), Uppsala Climate Cooperation

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- Part 10 – Cities, Towns and Suburbs
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**1<sup>st</sup> Dec     Inspirations for Actions: Grassroots perspective**

***Ecological Restoration***

Wangari Maathai & The Green Belt Movement (2010, 8min51) Available at: <https://www.youtube.com/watch?v=BQU7JOxkGvo>

***Food and Agriculture***

Navdanya 25 (2012, 10min25) Available at: <https://www.youtube.com/watch?v=vyh9-K3n4Kg>

A Conversation with Vandana Shiva - Question 7 - Earth Democracy (2013, 8min03) Available at: [https://youtu.be/ORXIGWEnF5Y?list=PLhoG\\_snWsdLT13AF0G3MvD24vZmg\\_dqdWC](https://youtu.be/ORXIGWEnF5Y?list=PLhoG_snWsdLT13AF0G3MvD24vZmg_dqdWC)

Pam Warhurst: How we can eat our landscapes (2012, 13min21) Available at: <https://youtu.be/4KmKoj4RSZw>

***Education and the power of youth***

Ingrid Moum Rieser (CEMUS Course Coordinator) at Keynote Speech for World Environmental Education Congress, WEEC2015 <https://youtu.be/OxoZ7S8ZaRM> (2015, watch from 7:04 to 16:00)

***Transition Town***

Rob Hopkins: Transition to a world without oil (2009, 17min57). Available at: <http://www.youtube.com/watch?v=8meWY0W400A>

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- Part 15 – Building Resilience

**8<sup>th</sup> Dec**      **Presentation of Final Projects**

Further information will be provided through the course website.