

Spielend die Welt retten? Simulationsspiele in der Internationalen Zusammenarbeit

Von Otto Ulrich
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TU Berlin, am 06.12.12

Leitlinie/Definitionen

„Im kreativen Prozess eines kooperativen Gestaltungsspiels entsteht immer etwas Neues.“

Vier Hauptgruppen von Spiele

- **Zug-um Zug-Spiele:** *„Mensch ärgere dich nicht!“*
- **Bewegungsspiele:** Handball/Basketball etc
- **Einsatz- und Wettspiele:** Roulette, Pokern, Toto etc
- **Gestaltungsspiele:** etwa *„Cooling down!“*

Was meint spielen?

Commoning – gemeinschaftliches Tun - ist Spielen

„Ein Commons – als **Gestaltungsprinzip** der Gesellschaft - ist freiwilliges **gemeinsames Tun**, ist **koordinierte Handlung** innerhalb gewisser Grenzen von Zeit und meist auch Raum nach freiwillig erarbeiteten oder angenommenen, aber **bindenden Regeln**, das sein Ziel in **fairer Bedürfnisbefriedigung** hat – und begleitet wird von einem Gefühl der Spannung und Zufriedenheit, der Verantwortung und Freiheit, sowie vom Bewusstsein des „Anders-sein“ als das gewöhnliche „Sich-Orientieren“ am Markt oder Staat.“

Silke Helfrich, in: OYA, 15, 2012

UNCCD - Film über Wüstenbildung



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Desertification is a silent killer (video)

World-famous geographer and desert photographer Michael Martin with Elke Wallner produced this remarkable movie to draw the public's attention to desertification, land degradation and water scarcity. The expressive pictures show the devastating impact of unsustainable land use and climate change. The results are multifaceted in socio-economic terms and range from extreme poverty and forced environmental migration to instability and crisis. It highlights the environmental impacts such as biodiversity and soil fertile loss and the need for action.

UNCCD

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Online Survey Launched for the 10-Year Strategy Mid-Term Evaluation
14/12/2012 - The Intersessional Working Group (IWG) to prepare the mid-term evaluation of the UNCCD ten-year strategy has launched an online survey for collecting more information for the mid-term evaluation

[> more...](#)

← 1 2 3 4 5 6 7 8 →



Land Day 6

Land Day 6, on the theme, "Land Degradation Neutrality - A Response to the 2020 Aichi Targets," took place on Monday, 15 October 2012 at the Rio Conventions Pavilion in Hyderabad, India.



Third Special Session of the Committee on Science and Technology (CST S-3)

The CST S-3 with its UNCCD 2nd Scientific Conference will take place in Fortaleza, State of Ceara, Brazil on 4-7 February 2013.



Call for expressions of interest on UNCCD best practices

Organizations interested in supporting the CRIC in the compilation and dissemination of best practices on sustainable land management and resource mobilization are invited to

UNCCD & RIO+20 OUTCOME

Nov	December 2012						Jan
Mo	Tu	We	Th	Fr	Sa	Su	
26	27	28	29	30	1	2	
3	4	5	6	7	8	9	
10	11	12	13	14	15	16	

Jerusalem Post: 'World must reach zero net land degradation'

By [SHARON UDASIN](#) 11/14/2012 04:53

**"We have to go beyond economics. It has to be profitable to planet Earth,"
UNCCD adviser urges at Ben-Gurion University conference."**



Jerusalem Post:

'World must reach zero net land degradation'

By [SHARON UDASIN](#) 11/14/2012 04:53

In order to combat the ever-increasing threat of desertification on formerly fertile lands, the world's citizens must work to achieve “zero net land degradation” – restoring as much land as has been disturbed, experts on the subject agreed.

“We admit that it is difficult to achieve zero land degradation, but fortunately – in quotes – we have a lot of degraded land,” said Prof. Uriel Safriel of Hebrew University, who is also head of Israel's UNESCO Man and Biosphere program and is a focal point for the United Nations Convention to Combat Desertification (UNCCD).

Safriel was speaking at a press conference on Monday evening at the **Drylands, Deserts and Desertification Fourth International Conference, on Implementing Rio+20 for the Drylands and Desertification, held at Ben-Gurion University of the Negev campus at Sde Boker**. Not only do people need to reduce the rate at which land is being degraded every year, but they also need to offset the amount that has already been degraded by restoring now unusable land, according to Safriel.

“The desert is one of the places least affected by desertification on Earth,” Safriel said. “We have to look at areas that are not desert and be careful not to make them desert.” As people continue to encroach upon dryland forests, additional lands that farmers begin to cultivate will fail – as forests are necessary to support agricultural land, according to Safriel. One of the major results of desertification and land degradation in general is hunger and poverty, explained Luc Gnacadja, executive secretary of the UNCCD.

“Land degradation is one of the major causes of food insecurity,” Gnacadja said.

“If we want [small farmers] to do more we need to reach out to them and help them do more with their degraded lands.” **Land degradation has been driven by misplaced investments, and world leaders need to find a way to bridge the gap between activities happening on a grassroots level and where governments are placing public investments,** Gnacadja argued. More attention specifically needs to go to dry forests, rather than rainforests, as much more of the Earth’s life is contained in these spaces, which are rapidly degrading into desert land, he explained.

Some ways to restore the land properly involve using drip irrigation techniques and fertilizers that increase efficiency, explained Prof. Rattan Lal, director of the Carbon Management and Sequestration Center at Ohio State University and adviser to the UNCCD.

“As long as we eat food we cannot discard agriculture,” Lal said. “Agriculture has to be the number one solution to the problem of mitigating climate change.”

While land restoration may not always be financially profitable, Lal argued that “we have to look beyond the profit issue,” as land restoration is “a question of survival.”

Meanwhile, it is crucial to incentivize farmers to use modern technology as agricultural tools, but to ensure that they are using such tools wisely and without excess, Lal stressed.

“We have to go beyond economics,” he said. “It has to be profitable to planet Earth.”

A goal of the UNCCD is to achieve zero net land degradation by 2030, and beyond that year, to restore more than is degraded, Gnacadja explained.

“There is now a kind of understanding that no one can stand on the ground of being non-affected by land degradation,” he said, stressing that previously unaffected countries can no longer simply look on from afar.

“Land degradation has been for too long in the blind spot of the global plan for sustainability,” said Prof. Alon Tal, co-chairman of the Green Movement and a professor at BGU’s Blaustein Institutes for Desert Research.

He noted that desertification has for a long time been “the orphan of global environmental challenges.”

“For too long the world has seen this as a problem of Africa and Asia and one that doesn’t affect all of us,” he said.

Looking at the situation with some optimism, however, Tal stressed that the knowledge for soil conservation and renewable energy development does, in fact, exist.

“If you go around the planet you can see that trend does not need to be destiny,” he said.

UNCCD Ziel

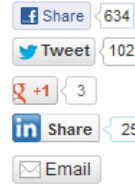
“A goal of the UNCCD is to achieve zero land degradation by 2030, and beyond that year, to restore more than is degraded.”

CO2 Rechner

National carbon calculator: Can you cut UK emissions?

Play UK prime minister and set the policy on energy, transport and other sectors and measure the carbon emissions generated.

- The tool shows the UK as it is today
- Move the sliders and aim to **reduce emissions by 80%**
- You must supply enough electricity to meet demand. Make sure the scales are balanced
- Find out [more about this tool](#), [how we built it](#) and [the data behind it](#)
- See how [the Liberal Democrats](#), [the Conservatives](#) and [Labour](#) would cut emissions



Mairead O'Connor, Danny Chivers, Cai Ellis, [Duncan Clark](#), Rosie Roche, Tom Grinstead
guardian.co.uk, Wednesday 21 April 2010 06.15 BST



Manufacture & consumption

Consumption of imported goods			6.25 kg per person per year
Consumption of UK goods			16 kg per person per year
Efficiency of UK manufacturing			100% of current efficiency
Use of rail freight			0% rail freight
Food waste			31.25% food wasted
Lower carbon diets			0% lower impact than now

Travel

Car travel			11,250 km per person per year
Use of electric cars			0% electric cars
Rail travel			750 km per person per year
Use of electric trains			37.5% electric rail
Bus travel			625 km per person per year
Plane travel			4,375 km per person per year

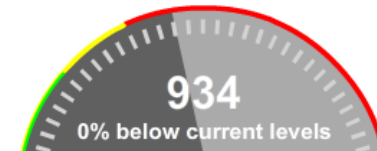
Homes

Electricity consumption			1,500 kWh
Heating efficiency			0% efficiency improvement
Use of renewable heating			0% renewable heating

Results

Total UK emissions

Million tonnes of CO₂e (MtCO₂e)
[What's the target?](#)



In your scenario, UK residents:

Travel 0% less
Consume 0% less

Breakdown of emissions by category

Million tonnes of CO₂e (MtCO₂e)

Manufacturing & consumption

543

Travel

UNEP - United Nations Environmental Programme



United Nations Environment Programme
environment for development



Climate Change



Disasters & Conflicts



Ecosystems Management



Environmental Governance



Harmful Substances



Resource Efficiency

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Greenhouse Gas Emissions Gap Widening as Nations Head to Crucial Climate Talks in Doha

Wed, Nov 21, 2012

Keeping Average Global Temperature Rise to Below 2°C Still Achievable, with Potentially Big Cuts Possible from Buildings, Transportation and Avoided Deforestation - But Time Running Out

| Français | 中文

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Current Pledges by Governments Indicate a 3-5° C Temperature Rise this Century without Fast Action. Photo Credit: Shutterstock/ Christian Kobierski

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Doha climate conference opens gateway to greater ambition and action on

climate change

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Doha Climate Change Conference - November 2012

The 18th session of the Conference of the Parties to the UNFCCC and the 8th session of the Conference of the Parties serving as the Meeting of the Parties to the Kyoto Protocol opened on Monday, 26 November and continued until Saturday, 8 December 2012 at the Qatar National Convention Centre in Doha, Qatar.

Decisions adopted by COP 18 and CMP 8

- | | |
|---------------------------------------|--------------------------------------|
| Reports | Schedule of Meetings |
| Decisions | Daily Programme |
| Documents | COP 18 |
| Logistics | CMP 8 |
| Press | SBI 37 |
| Webcasts | SBSTA 37 |
| Virtual participation | AWG-KP 17-2 |
| Elections | AWG-LCA 15-2 |
| Statements | ADP 1-2 |

Latest Headlines

- [Carbon market fix a boost for most in EU: Commission note Reuters](#)
- [Japan to Trade Emission Credits Through 2015, Government Says Bloomberg](#)
- [Kenya: Study Links Mobile Money With Clean Air The Star \(Nairobi\)](#)

[more >>](#)

Latest Documents

[FCCC/ARR/2011/RUS/Corr.1](#)
Russian Federation. Report of the individual review of the annual submission of the Russian Federation submitted in 2011. Corrigendum.
[more >>](#)

FCCC/KP/CMP/2012/L.4/Rev.1

Implications of the implementation of decisions

UNCFFZ Ziel

**Schafft es die Menschheit bis 2050 die globalen
CO2 Emissionen um 50% zu senken?**

Klimabericht der Weltbank

Das Bild kann zurzeit nicht angezeigt werden.

Das Bild kann zurzeit nicht angezeigt werden.

Turn Down the Heat

Why a 4°C Warmer World
Must be Avoided



Spiel-Wissen-Bildung

Spielkriterien	Wissensdimensionen	Bildungsprofile
Gemeinsames Tun	Handlungswissen	Dialogfähigkeit
Koordiniertes Handeln	Orientierungswissen	Konsensfähigkeit
Verbindliche Regeln	Zusammenhangswissen	Bewegliches Denken

Gamification

Jane McDonigal

(TED Talk: The game that can add 10 years to your life)

JANEMCGONIGAL

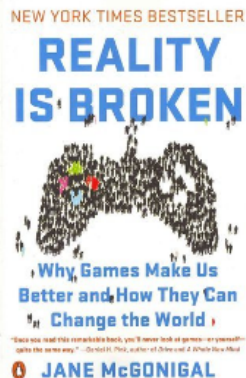
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Reality is broken!

In the book on December 25, 2010 at 1:27 am

Get your copy of the **New York Times bestselling book** *Reality is Broken: Why Games Make Us Better and How They Can Change the World* now.



amazon.com

Achievements: Unlocked

In achievement: unlocked on December 23, 2010 at 9:14 pm

My #1 goal in life is to see a game designer nominated for a Nobel Peace Prize. I've forecast that this will happen by the year 2023. Of course, it's not enough to just forecast the future — I'm also actively working to make it a reality. (And you can too — join *Gameful*, the Secret HQ for Worldchanging Game Developers.) My best effort so far? *SuperBetter*, a game that has helped more than 120,000 players so far tackle real-life health challenges like depression, anxiety, chronic pain and traumatic brain injury.

In the meanwhile, on the way to that epic win, there are plenty of other achievements to be earned. Here are a few I've unlocked so far:

New York Times Bestselling Author of
Reality is Broken (2011)

Watch videos

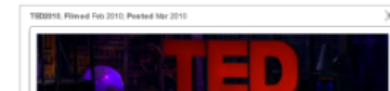
In videos on December 21, 2010 at 7:46 pm

“The game that can add 10 years to your life”



In my **2012 TED Global talk**, I explain how games can boost our resilience, help us experience post-traumatic growth, and even give us 10 extra years of life.

“Gaming can make a better world”



Wandel der Welt durch Spiel

KICKSTARTER

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Kickstarter?

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great projects

Start
your project

Search projects

Help Sign up Log in


GAMEFUL, a Secret HQ for Worldchanging Game Developers

by [Jane McGonigal](#)

Home Updates **8** Backers **593** Comments **120**

San Francisco, CA Video Games

Funded! This project successfully raised its funding goal on September 29, 2010.



Good games make us better and change the world.
We're the people making and playing those games.

Our Secret HQ launches in **50** **15** **14**
DAYS HRS MINS

593

backers

\$64,965

pledged of \$2,000 goal

0

seconds to go



Project by
Jane McGonigal
San Francisco, CA
[Contact me](#)

k First created · 3 backed

f Has not connected Facebook

Website: avantgame.com

[See full bio](#)

Like 417 people like this. Be the first of your friends.

Tweet Embed <http://kck.st/aUx0Hf>

Good games make us better and

Launched: Aug 22, 2010

„World without Oil“

"Play it – before you live it."

world without oil

A massive collaborative imagining of the first 32 weeks of a global oil crisis. An alternate reality chronicled online in 1,500 personal blog entries, videos, voicemails and images. A serious game for the public good. "A future-changing experience".

Watch the video

Learn about WWO

The buzz about WWO

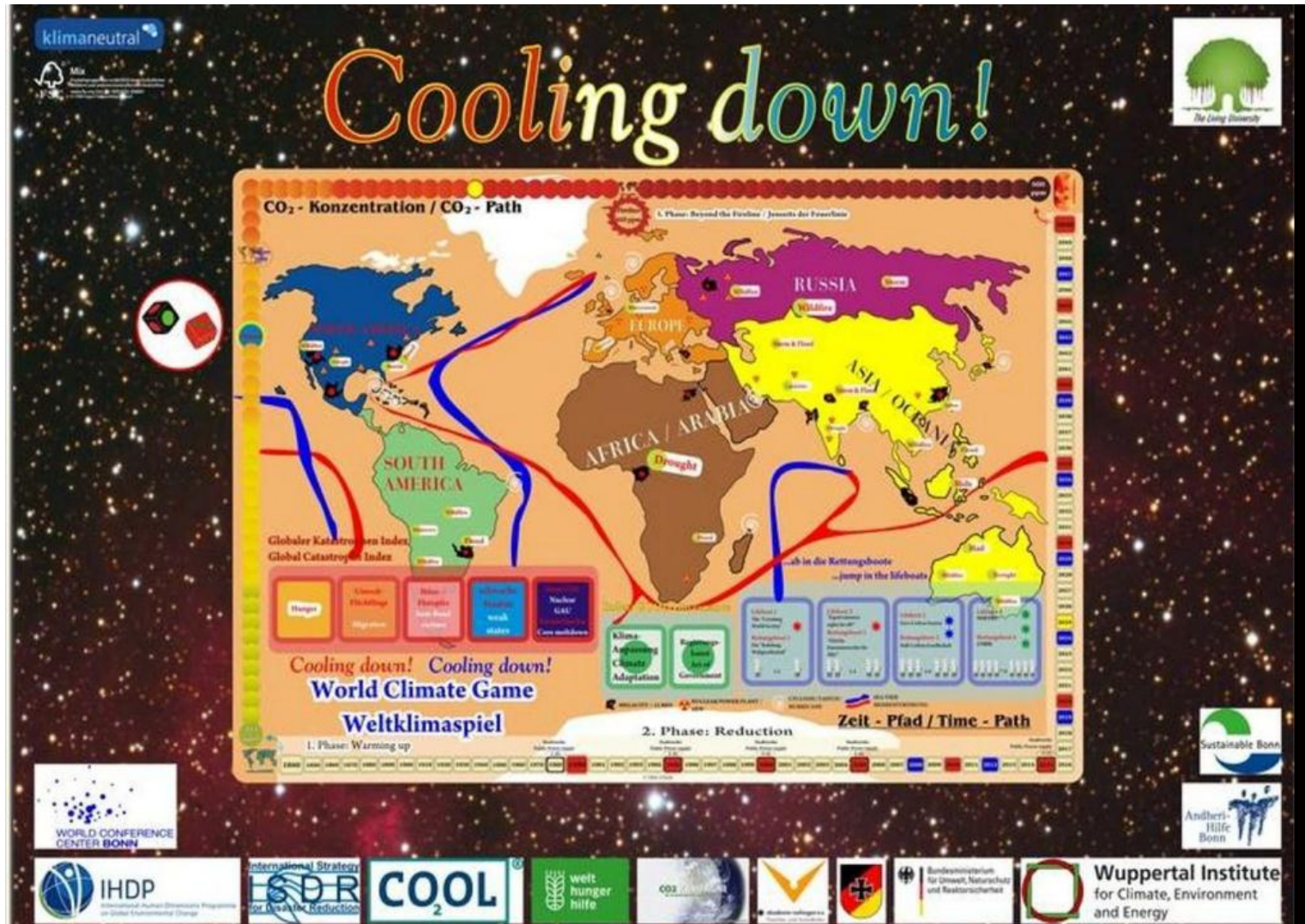
Lesson plans for teachers

CONTACT US - CREDITS

WORLD WITHOUT OIL

WELCOME TO A WORLD WITHOUT OIL" - 7 min

„Cooling down!“



Internationaler Einsatz von „Cooling down!“



Internationaler Einsatz von „Cooling down!“



Internationaler Einsatz von „Cooling down!“



Internationaler Einsatz von „Cooling down!“



Internationaler Einsatz von „Cooling down!“



Internationaler Einsatz von „Cooling down!“

HOMO LUDENS Institut

Institut für kreative Technologien und humane Entwicklung

Member of the 64th UN DPI NGO Conference Bonn 2011

Dr. Otto Ulrich
Stand: Juni 2012

www.cooling-down.com

Bürgerdialog Energiewende durch Teilnahme an der **„Weltklimakonferenz Cooling down!“**

„Cooling down!“ –
verstanden als realistische
Simulation einer Weltklima-
konferenz – hat die globale
Energiewende zum Thema.
Seit Oktober 2009 hatten schon
viele die Chance, spielerisch
angestoßen, den „Bürgerdialog
Energiewende“ mit Leben zu
füllen.



„Cooling down!“ – verstanden als realistische Simulation einer Weltklimakonferenz – hat die globale Energiewende zum Thema. Seit Oktober 2009 hatten schon viele die Chance, spielerisch angestoßen, den „Bürgerdialog Energiewende“ mit Leben zu füllen – so etwa:

Falls sie das Spiel erwerben möchten:

www.cooling-down.com



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▶ Deutsch ▶ English

Startseite

Das Spiel

- ▶ Einladung
- ▶ Überblick
- ▶ Lasst uns Rettungsboote bauen!
- ▶ Unterrichtseinheiten
- ▶ Arbeitskreise/Foren
- ▶ Konzepte
- ▶ Spielgeschehen
- ▶ Spielbericht/Bewertungen
- ▶ Der Autor

Erfahrungsberichte

- ▶ Überblick

Diverses

- ▶ Vier Schulen in Vier Kontinenten
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Die Energiewende-Konferenz: „Cooling down!“

Klimagerechtigkeit gegen Weltmacht Energie

Ein unterhaltendes Weltspiel rund um Klimawandel, Katastrophenvorsorge und Artenvielfalt


von Dr. Otto Ulrich, Deutschland


Eine Energiewende ist notwendig. Die Klimageschichte schreitet voran, die globalen Naturkatastrophen nehmen zu. Die Spieler – sie repräsentieren die Weltgemeinschaft - haben aber nicht mehr viel Zeit, den weltweiten Anstieg des Treibhausgases Kohlendioxid entscheidend zu senken. Im Stress des global ausgelegten Weltspieles lernen sie, was es heißt, Verantwortung für die Zukunft der Atmosphäre und damit für das künftige Klima der Erde und seiner Bewohner zu übernehmen.

Das Spiel ist ein spannendes Trainingsfeld für werdende Weltbürger. Die Lobby von „Weltmacht Energie“ setzt weiter auf die Verbrennung von Öl, Gas und Kohle – und das „grüne CO₂“ der weltweiten Rinderherden muss auch beachtet werden.


Ein massiver Ausbau der Atomkraft wird vorbereitet – das Zeitfenster wird immer enger, doch noch einen nachhaltigen Zukunftspfad, etwa den „sanften Energiepfad“, zu erreichen. In welchem Zustand wird die Welt im Jahre 2050 sein? Wird es gelingen, die CO₂-Emissionen um 50 Prozent zu reduzieren - nach einem Spieldurchgang von 60 Jahren? Was passiert wenn die Erderwärmung trotz „grüner“ Energien weiter steigt? Landen wir alle in der „Kuhdung-Kultur“?



 **FÜR EILIGE**
[Simulation der Zukunft: 2025 bis 2050](#)

 **Reaktionen und Referenzen**

[Erfahrungsberichte](#)

 **Youtube**

<http://www.youtube.com/watch?v=ijHicH0SW90>

Vielen Dank für Ihre Aufmerksamkeit

Zuletzt noch ein Video über das Spiel:

