Our personal journey of learning about climate change
by
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&
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- CCE minimal in our school
- Other ways to learn CC
  - Indoors
  - Outdoors
Our personal journey of learning about climate change

We may be the youngest participants at the EGU conferences.

Personal experience - modes of learning
- Trips to & working in Chamonix-Mont-Blanc
- Working in Costa Rica
- EGU conferences
- MOOC
- CIRAD summer school
- Volunteering in Méditerranée 2000
- Children’s holiday centres
- Films

Thank you
Merci
Come to our pico for the climate learning ride of your life … before it is too late!

Danke – DE
Gracias – ES
Merci – FR
Eugaperte – GR
Sukra – IN
Grazie – IT
Arigato – JP
Terima kasih – MY
Spasibo – RU
Khop khun – TH
Ta – UK
etc
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Our ‘chalk and talk’ classroom

Almost nothing on CC

• Most of our classes
• chalk and talk
• sit and listen and sleep
• Least boring activities:
  – going to the board and solving exercises
  – practical work

Best classes when teachers strike

Chamonix - Mont Blanc - 1
Massive retreat of the Mer de Glace

Photos by David Crookall

Chamonix - Mont Blanc - 2
CREA Mont Blanc, Research Center for Alpine Ecosystems

Effect of climate change on mountain ecology

EGU 2017

• Meet people
• Oral & poster
• Hands-on activity workshop

MOOC 1 - Climate change: The science

“Master the basics of climate science so you can better understand the news, evaluate scientific evidence, and explain global warming to anyone”
MOOC 2 - assignment

- The impacts of climate change near you
- Assignments:
  - Climate change in the South of France
  - Extreme flooding – example PACA

Costa Rica

- Complex simulation/game, debriefing
- Agent-based modelling, role-play & simulation
- Climbing a volcano

EGU 2018

- Opportunity
- Learn effectively
- Sessions:
  - geoscience games
  - geoethics
- 1st Geoscience Games Night
- Meeting people

TPE: Supervised personal project

- Group work report
- French baccalaureate
- Multi-disciplinary
  - Earth sciences
  - Maths
- Causes and consequences of global warming

ABMS - CIRAD

- MISS-ABMS, Renewable Resources, Montpellier, France
- Urban expansion – Gama
- Pest management – NetLogo

Méditerranée 2000

- Awareness-raising
- Active eco-citizenship
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Lots of films & documentaries

- **The World In 2050**
  - [The Real Future Of Earth], BBC Documentary
  - Dramatic demographic changes
  - World climate crisis
  - Projection for 2050

- **The Secret of Antarctic**
  - Antarctica meltdown
  - Antarctic's climate past

- **Before the Flood**
  - National Geographic
  - Leonardo DiCaprio and climate change

Please visit our posters

- Enhancing experiential climate-change learning methods through **debriefing**
  - Tue, 09 Apr, 16:15–18:00 Hall X4 X4.315
- **The SDGs Values Game: An Interactive Playable Poster**
  - Wed, 10 Apr, 14:00–15:45 Hall X4 X4.228
- On the necessity of making **geo-edu-ethics** a central component throughout education
  - Fri, 12 Apr, 14:00-15:45 Hall X4 X4.360
- **Geo-edu-ethics: Drafting a charter for learning geoethics around the world**
  - Fri, 12 Apr, 14:00-15:45 Hall X4 X4.361

**Learning Sustainability**

- **SPRINGER NATURE**
  - Call for Papers: [https://e4l.jrnl.weebly.com/cfp-se-long.html](https://e4l.jrnl.weebly.com/cfp-se-long.html)

  The issue brings together four main areas:
  - **sustainability** of the Earth and humanity including the SDGs & climate change,
  - **experience** (of all kinds),
  - **learning**, including experiential learning, and
  - **ethics**.

Articles need to be clear, but not necessarily high-brow academic. The journal aims to bridge lay communities and science. See Section 2 on the above CfP web page.

Please tell interested friends and colleagues.

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Thank you, merci, khop khun

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