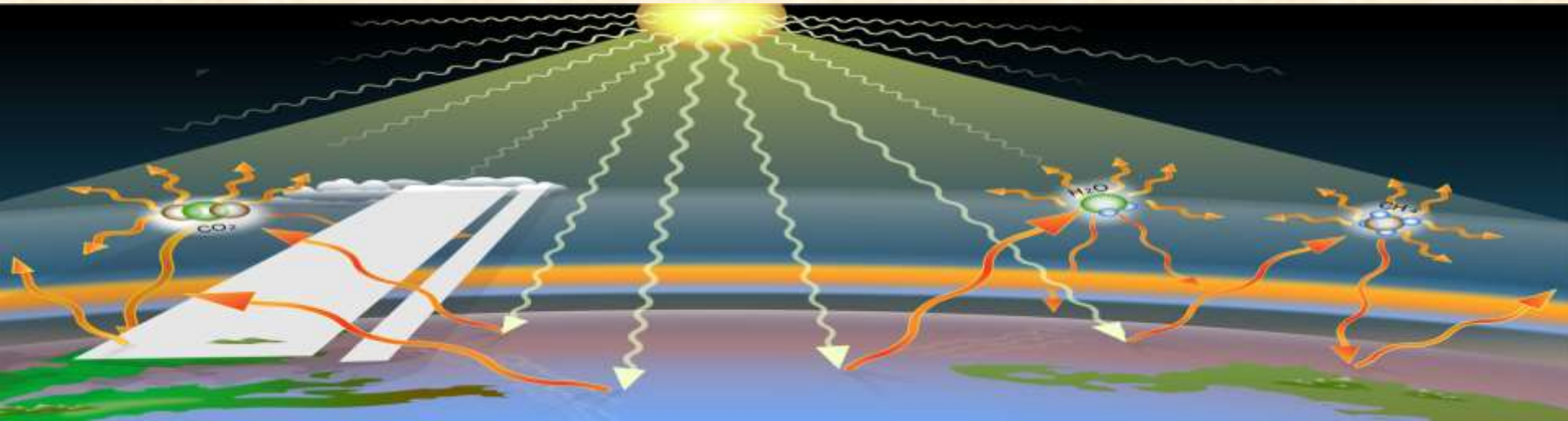


Next slide – for 2m presentation



From Wikipedia

Promduangsri, P., Promduangsri, P., Bolouri, F., Caballero Leiva, I. M., Khodja, L., Knecht, E., Matsuoka, F., Parigi, R., and Sharma, L.: A smörgåsbord of climate literacy methods: Outlines & experiences, EGU General Assembly 2021, online, 19–30 Apr 2021, EGU21-3041, <https://doi.org/10.5194/egusphere-egu21-3041>, 2021.

Paper abstract:

<https://meetingorganizer.copernicus.org/EGU21/EGU21-3041.html>

A smörgåsbord of climate literacy methods: Outlines & experiences - EGU21-3041

Pimnutcha Promduangsri, Farhad Bolouri, Isabel M. Caballero Leiva, Linda Khodja, Estelle Knecht, Fernanda Matsuoka, Riccardo Parigi, Laksh Sharma, Pariphat Promduangsri

- Self-directed learning & attending conferences: Pimnutcha
- En-ROADS, online CC simulator: Farhad & Riccardo
- PhD prog on CC impacts on natural coastal risks: Isabel
- Uni courses & volunteering: Linda
- Uni courses on enviro sci & ecology: Estelle
- Youth Climate Leaders, org for young citizens: Fernanda
- Fridays For Future, school strike for climate: Laksh
- Méditerranée 2000, environmental association: Pariphat

Abstract summary

Threat: Global warming, climate change (CC), pollution, etc.

Important to learn about CC and its effects, and to learn how to act.

Climate literacy/learning (CL) is the best way to help citizens to understand CC and its causes and effects, and to help citizens make decisions that are grounded in geoethical principles.

Many CL methods exist, incl: individual actions, collective initiatives and masters level courses.

Summary of CL methods and actions, 1

A great variety of CL actions and methods exist. In this document, each author has a slide giving a few more details about their work.

University courses on environmental sci & ecology

- Estelle Knecht, Université de Lorraine, France

En-ROADS, online simulator for CC solutions

- Farhad Bolouri, University of Tabriz, Iran
- Riccardo Parigi, Climate Interactive, Italy

Fridays For Future: School strike for climate

- Laksh Sharma, Fridays For Future, India

University courses & volunteering

- Linda Khodja, Université de Lorraine, France

Summary of CL methods and actions, 2

PhD prog on CC impacts on natural coastal risks

– Isabel M. Caballero Leiva, University of Barcelona, Spain

Youth Climate Leaders: Helping young people to take steps towards realizing their climate career dreams

– Fernanda Matsuoka, Youth Climate Leaders, Portugal

Méditerranée 2000: Environmental association promoting sustainability and raising awareness

– Pariphat Promduangsri, Méditerranée 2000, France

Self-directed learning & attending conferences

– Pimnutch Promduangsri, Université Côte d'Azur, France

Unity in diversity

We are from different backgrounds and cultures

What brought us together is the **International Ocean-Climate School**

- Oct 2020 session of the online participatory simulation, see:
<https://oceansclimate.wixsite.com/oceansclimate/oct-2020>
- Applications are open for the May/June 2021 session



Estelle Knecht:

University courses on environmental sci & ecology

University courses

- Biodiversity & ecological expertise, ecology
- Population dynamics
- Terrestrial & aquatic ecosystems, ecotoxicology
- Behavior of pollutants in the environment
- Scientific experience

Goal: Understand the importance of a stable ecosystem and of each interaction between living beings.



Internship

- Coral protection with Reefteach
- Information for the general public & scientific popularization
- Recording of bleaching events



Conference

“The Night of Biodiversity” - Maison des Océans, Paris

Association

- I3D Zero Waste Asso
 - Information on waste reduction
 - Waste collection around the campus, implementation of an escape game on zero waste tips



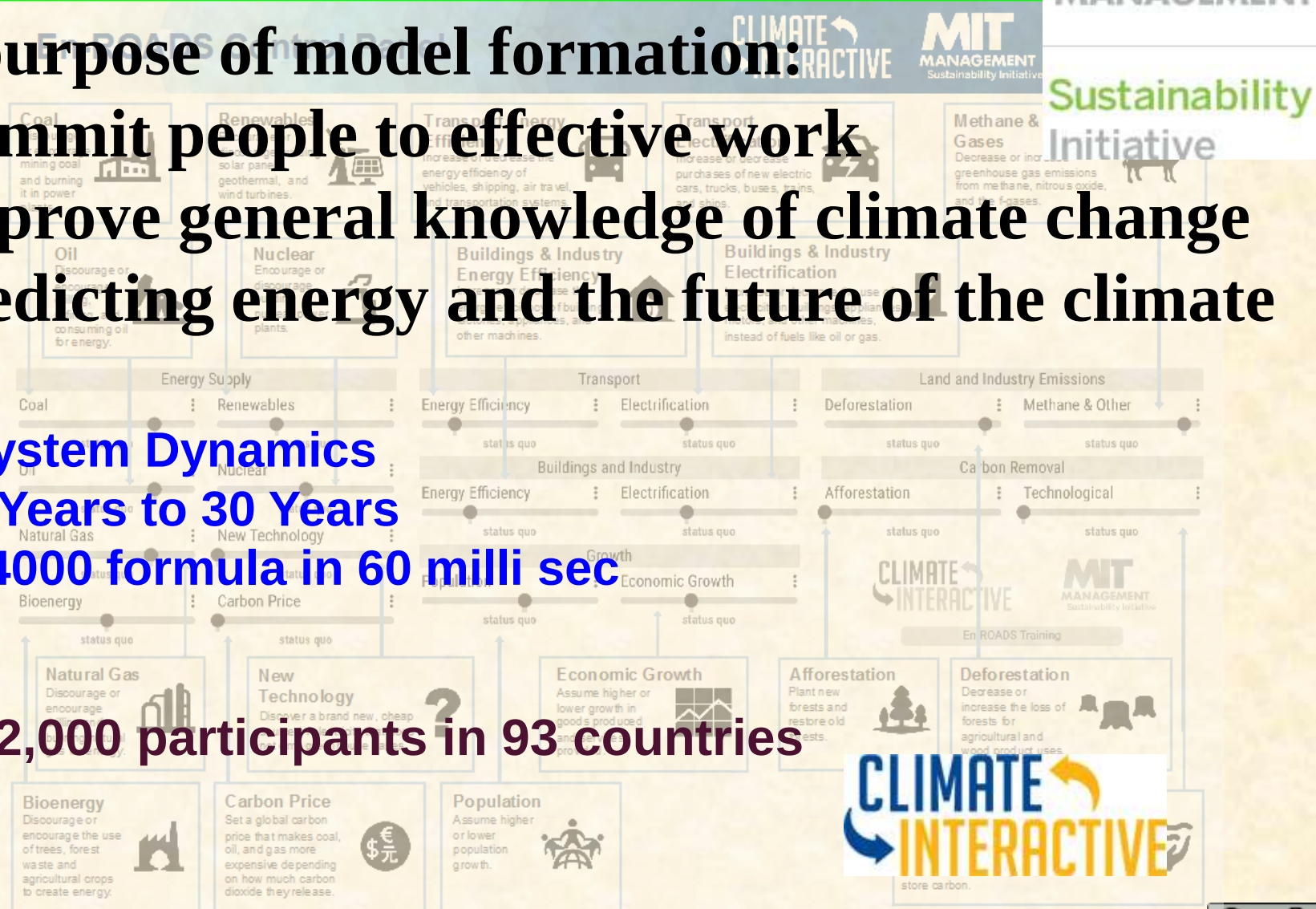
Farhad Bolouri: En-ROADS and the Climate Action Simulation

The purpose of model formation:

- Commit people to effective work
- Improve general knowledge of climate change
- Predicting energy and the future of the climate

→ System Dynamics
→ 7 Years to 30 Years
→ 14000 formula in 60 milli sec

Over 62,000 participants in 93 countries



Riccardo Parigi:

Environmental association; Attending Conferences

Climate Interactive EN-Roads

- Influential climate changes simulator

Goals:

- Make people **aware** how to mitigate climate change
- Promote a proactive approach

Activities & awareness campaigns:

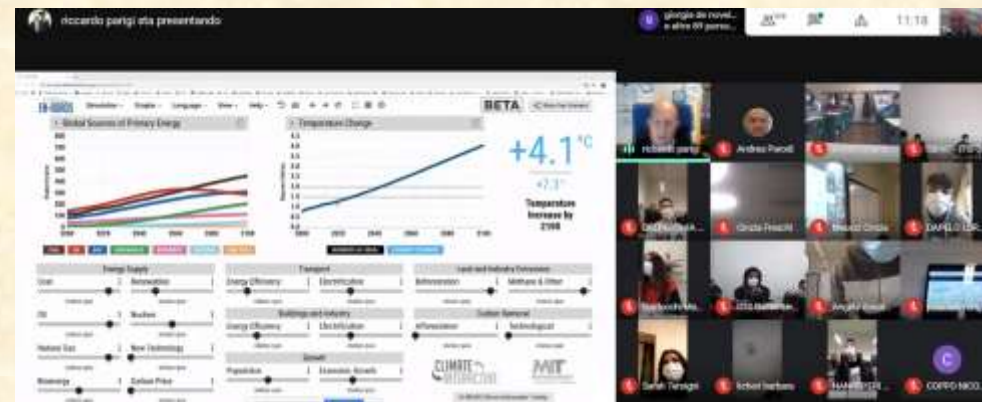
- **En-Roads workshop** involving: politics, entrepreneurs, managers, university students
- Participation to webinar and training as testimonial
- Co- author of the italian Book on Environmental Communication

Future perspective:

- Engage more EN-Roads Ambassador in Italy
- Introduce the EN-Roads workshop as a training in the Green Marketing Master at Università Bocconi Milan

EGU

- Oral presentations
- EN-Roads workshop



Laksh Sharma:

FFF : Climate advocacy & Resource Building

Fridays For Future Delhi (India)

Empowering the youth to demand urgent action on climate change



Goals:

- Make people **aware** of **environmental issues**, Climate Change (CC) & creating **publicly available resources on current issues**
- Highlighting problems in current policies and suggesting improvements

Activities & awareness campaigns:

1. Adani Magazine - Environmental damage done by Adani corporation in India and it's relation to Carmichael coal mine (Australia)
2. Air Pollution : Delhi's air and it's **disproportionate effects** on different **sections of the society**
3. Hosting webinars and trainings For **youth capacity building**

2



1



3



Future perspective:

- Conducting Research to lobby climate positive policies
- Partnering with other Environmental groups to build capacity for future campaigns

Linda Khodja:

Two holistic experiences: Uni enviro sci & ecology + Volunteering



Photo Challenge, Wildlife Conservation 2018, UL Metz

Goals

- Humanizing species
- Raising awareness on climate issues
- Exploring Conservation challenges
- Through Art as a personal expression

“[...]but what I’m trying to do with my photography, is to put faces to the names, and to what is going to be lost [...]” - Dr. Paul Nicklen

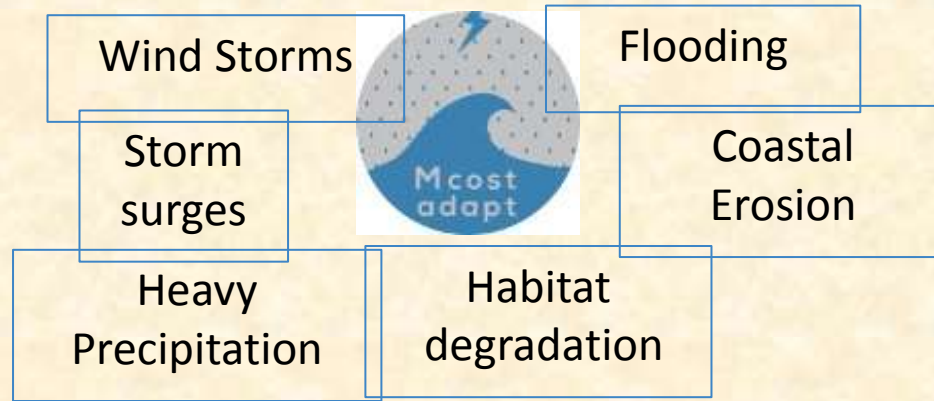
Volunteering, GoodPlanet Foundation 2020, Paris

Wildlife, Humans, Spirituality

- Raise awareness of current environmental & social issues among all stakeholders
- Help companies & institutions implement an environmentally responsible approach
 - Through a holistic approach (Art, Spirituality, Community Development, ...)

Isabel M. Caballero Leiva (GAMAUB):

Climate change impacts on natural hazards. Adaptation pathways



Environment



Society



Economy

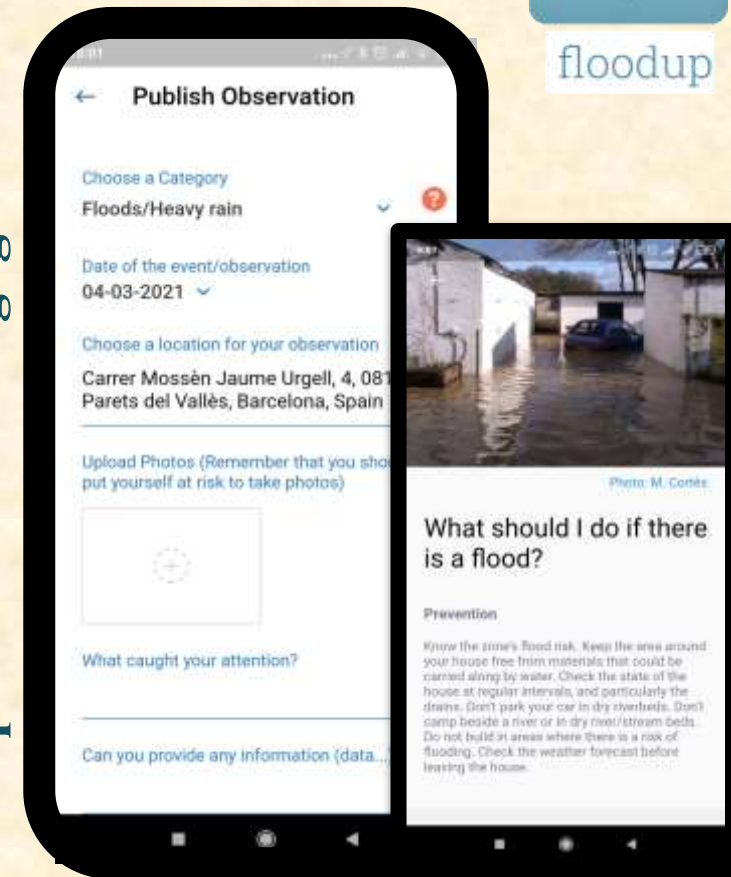


Climate Change...

Can you help?



Citizen Science
Engagement
Empowerment



(Montse Llasat-Botija, Floodup.ub.edu)

Fernanda Matsuoka:

Youth Climate Leaders Organization (YCL)

YCL: Propagates professional opportunities through education with organizations that already operate in this sector

Missions:

- Help young citizens:
- Access to a global network and opportunities
- Take step towards their careers in the climate economy
- Achieve that climate literacy is key to help young people in engaging in the decarbonised economy

More info on slide 17

Methodology:

- Inform & inspire to action through exemplifying that the career & economy of the future are based in solutions to the climate crisis
- Intersectional & intergenerational: facilitate accessibility
- Hands-on experience
- Individual and collective mentoring
- Active learning by working with different people

Results:

- 97 % of Fellows would recommend the YCL network
- 50 % of the unemployed participants got a job in climate in less than a year after the course
- 40 % of the YCL alumni received scholarship
- Creation of the Day of the Climate Professional

Link: <https://www.youthclimateleaders.org/>

Pariphat Promduangsri:

Environmental association; Attending conferences

Miterranée 2000 (Med2k)

- Influential environmental association, South of France

Goals:

- Make people **aware of environmental issues, Climate Change (CC)**
- Promote **Sustainable Development (SD)**

Activities & awareness campaigns:

- **CC:** COP21, stands, games, presentations, debates, etc.
- **SD:** *zero trash goal*, local agriculture, fieldtrips, etc.
- Corporate social responsibility

Future perspective:

- Get more people to engage
- Develop more projects

EGU

- Oral & poster presentations
- Hands-on activity workshop
- Geogames



<https://www.mediterranee2000.org/>

Pimnutch Promduangsri:

Self-directed learning; Attending conferences

MOOCs

Climate change: The Science

- University of British Columbia
- Intro to climate science

Games (designing, playing & debriefing)

- GWCC game

Volunteering

- CREA Mont Blanc

Documentaries

- *The World In 2050*, BBC
- *The Blue Planet*, David Attenborough
- *The Power of the Planet*, Iain Stewart
- *Before the Flood*, National Geographic

EGU

- Oral & poster presentations
- Hands-on activity workshop



Many thanks to our conveners:

David Crookall

The International Ocean-Climate School (IOCS),

<https://oceansclimate.wixsite.com/oceansclimate>

Giuseppe Di Capua

International Association for Promoting Geoethics (IAPG),

<http://www.geoethics.org/>

Lydie Lescarmontier

Office for Climate Education (OCE), <https://www.oce.global/en>

Robin Matthews

IPCC Working Group, Technical Support Unit, <https://www.ipcc.ch/>

Frank Niepold

National Oceanic & Atmospheric Administration (NOAA),

<https://www.noaa.gov/>

How you can support YCL



YCL is built through constructive partnerships spanning the globe. You or your organization can also be a part of this youth-focused network!

- Send us Climate Opportunities
- Sponsor Scholarships to vulnerable leaders
- Sponsor a YCL Hub
- Become a YCL Mentor
- Become a YCL Donator
- Contact us to hire a YCLer
- Hire YCL Services for a tailored course, workshop or climate consultancy project



Riccardo Parigi riccardo.parigi@gmail.com

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