

Lecturers without borders

**Open presentation about
LeWiBo project with scientists**

Open Education Conference, November 2020

Lecturers without borders

Connecting traveling scientists with schools and universities worldwide

www.scied.network



**Share travel
plans with us**

Share with us **your**
travel plans:
approximate time and
place per email, slack



**Make lecture
/seminar**

We connect you to local
coordinator and help
you to come to
school/university

**We find
schools**

We find you **local**
schools/universities,
to make
lecture/seminar



**We connect
you**

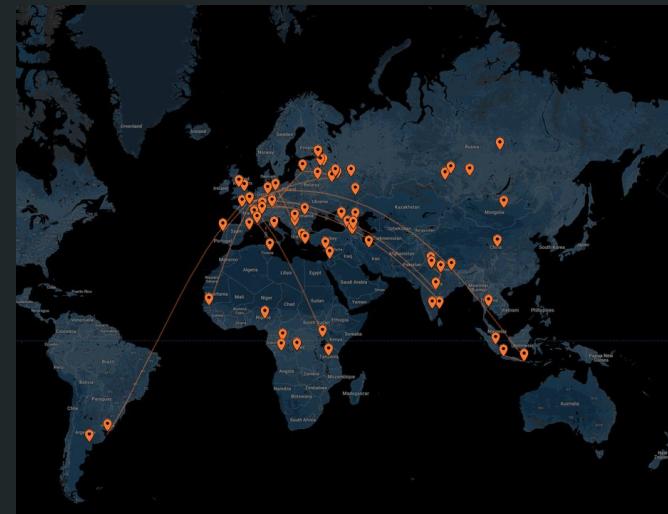
We match you with the
local organiser and help
with connecting to
lecture place

LeWiBo facts

- The team never met simultaneously in person
- Lewibo is a network
- Lewibo's partners in more than **20 countries**: India, Germany, Argentina, Uruguay, Spain, Portugal, Belarus, Russia, Senegal, Madagascar, Indonesia, Nepal, France, Latvia, Italy, Mexico, Georgia, Armenia...



Map of Lecturers without borders before COVID19



Schools/universities

In 2019 - 2020 - significantly exceeded our partnering database. Currently with the help of our partners we can reach out to 8000+ schools in Africa, Asia, CIS, Europe, South America. The number is constantly growing.



Partners in:

Asia: India, Indonesia, Iran, Nepal, Sri Lanka

Europe: Bulgaria, Estonia, France, Germany, Greece, Hungary, Latvia, Lithuania, Romania, Serbia

CIS region: Armenia, Belarus, Georgia, Uzbekistan, Russia

Africa: Kenya, Madagascar, Nigeria, Senegal, Sierra Leone, The Gambia, Rwanda

South America: Argentina, Guatemala, Uruguay, Colombia

Scientists

who made lectures, helped
with organisation



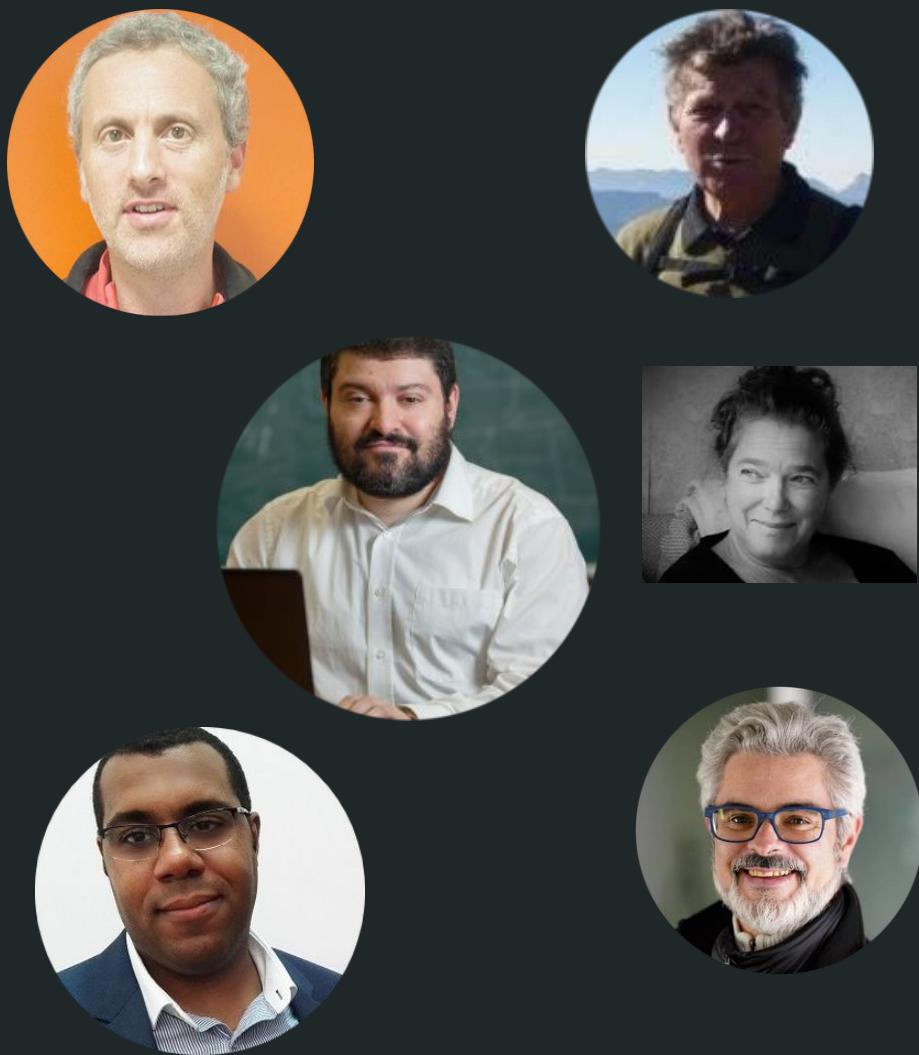
Areas of interests:
mathematics, physics,
biology, psychology,
linguistics, neuroscience,
climate, open science



LeWiBo advisory board

Pr. Ariel Lindner, Pr. Andrej Rajgorodsky, Pr. Cristina Masoller,
Pr. Hossam Zawbaa, Pr. Christian Duhamel, Dr. Gaell Mainguy

<https://scied.network/who-we-are/>

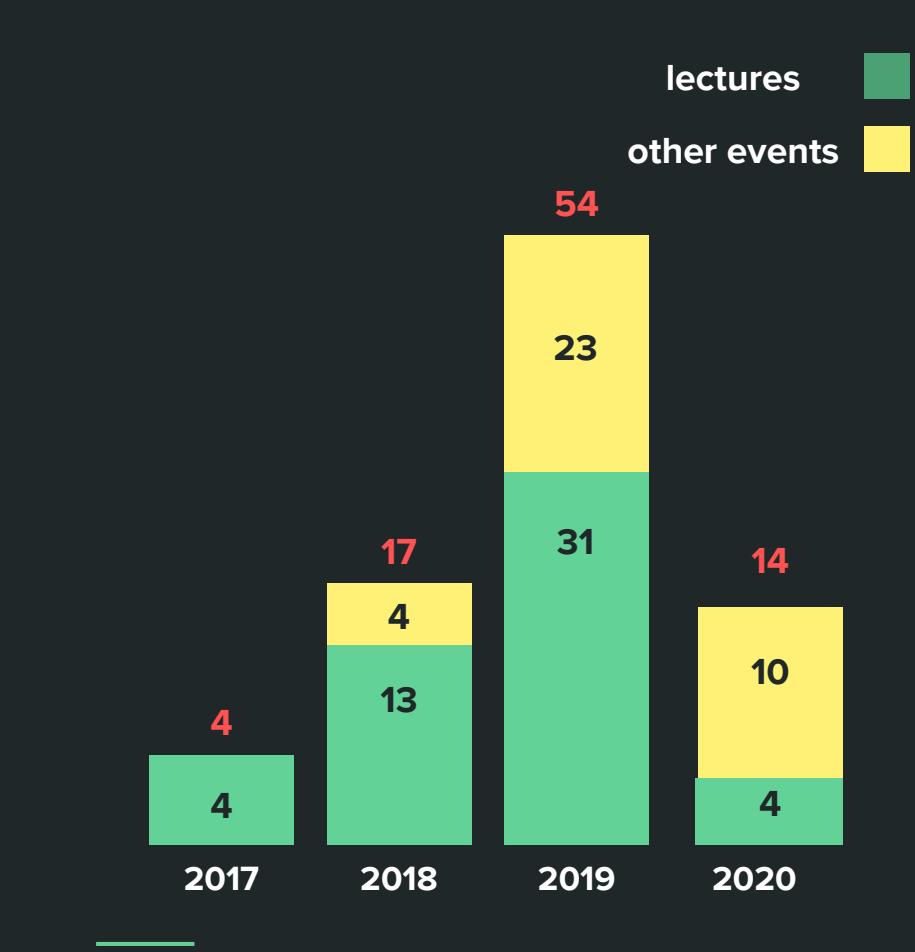


LeWiBo

data

Number of lectures organised
Number of scientists subscribed
Statistics from slack

Data visualisation on github



LeWiBo data

The most popular places of
scientists visits

*Project with Open humans Foundation,
compliant with GDPR laws policy*

OPEN HUMANS

Add data Explore & share Create My account ▾

About Mobility data of researchers

As research gets more and more global [1,2] new countries and institutions are getting involved in the research activities around the world. There is an increasing need of understanding these complex mobility patterns. Researchers form a distributed open network around the world. In this project we would like to study the untapped opportunity of the network of scientists traveling around the globe. This could help us to understand how we are doing research and how we could contribute to local communities. The examples of projects, where such analysis could be applied are project for scientists and educators, who use their travel opportunities and connect to local educational projects and local communities [2]. There are various projects, which could benefit from the study (e.g. ecological or science communication ones).

1. A. Mannocci et al. <http://oro.open.ac.uk/id/eprint/54310> (2018)
2. L.Tupikina, et al. NetSci Proceed. (2018)

Info Data

Project membership

Joined: Oct. 23, 2019
Project member ID: 85935634
Membership status: Visible
Project data status: Private

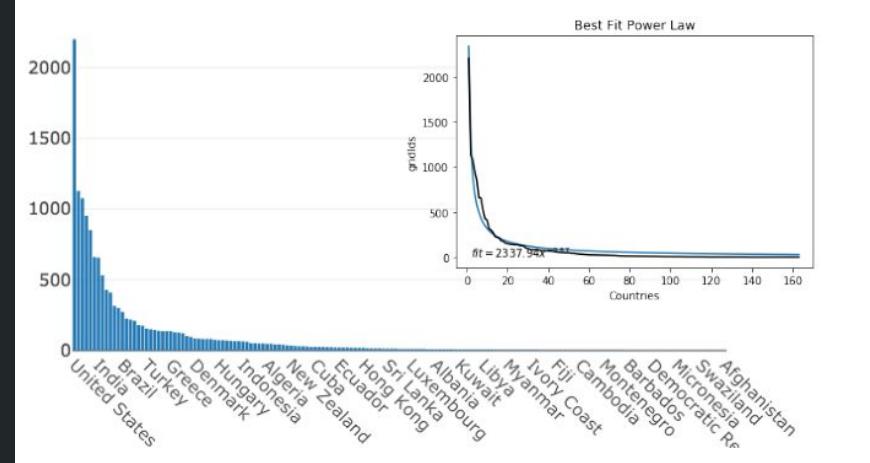
Recent Members

Echaries, Elly, Tatiana Stoica, BenC, Link

See all members...

Message project Send a message to project coordinators.

Project information



Pre covid-19

“The last ones to travel?”



Kenya lectures

Ana Faustino,
Julian Ferreras,
Stephanie Okeyo
March 11th 2020

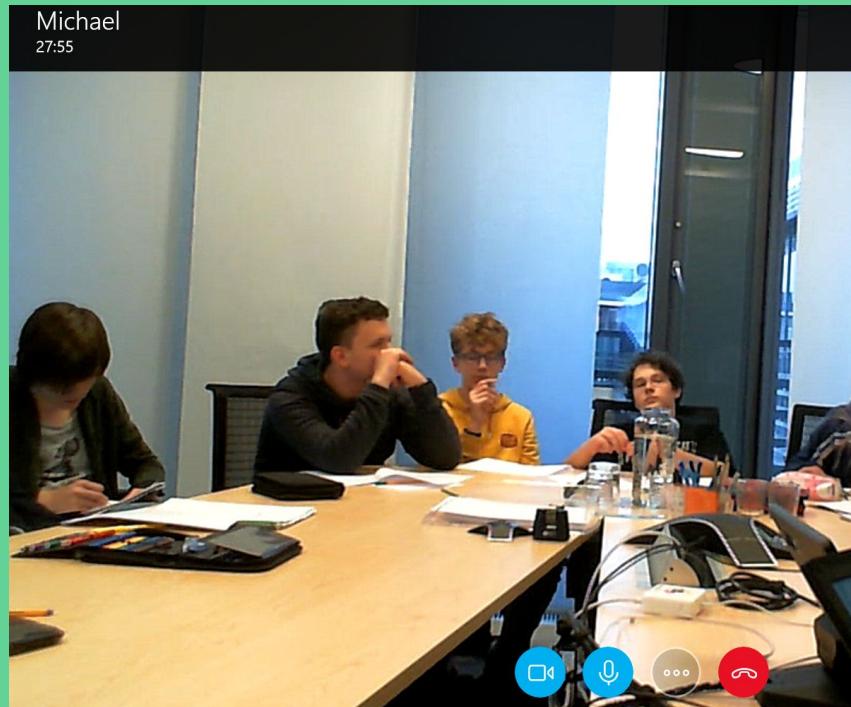
More lectures on LeWiBo
Website
www.scied.network



Post- COVID19

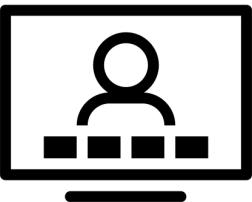
or

How do we take it from here?

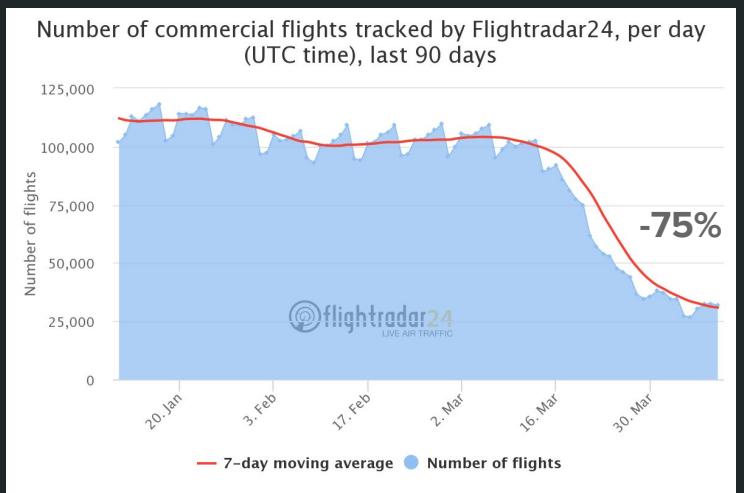


COVID-19

Educational disruption and response



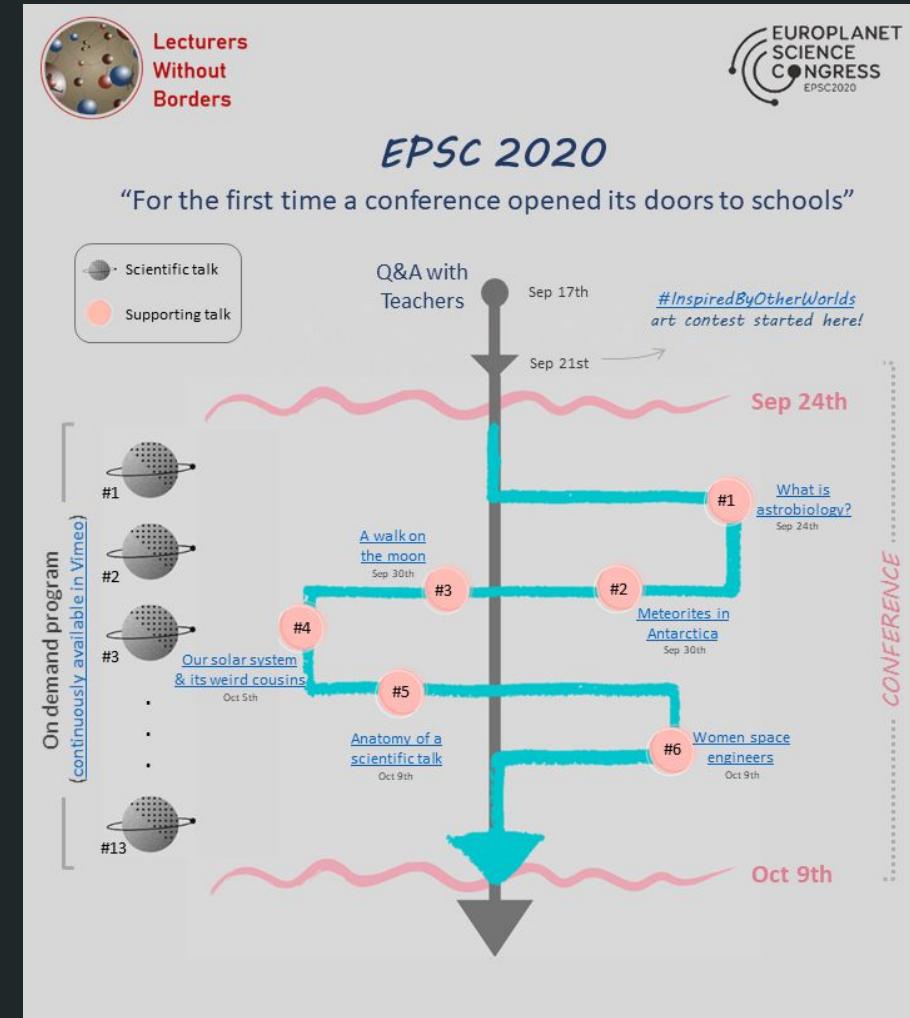
Shifts in mobility



EPSC2020 Goes Live for Schools

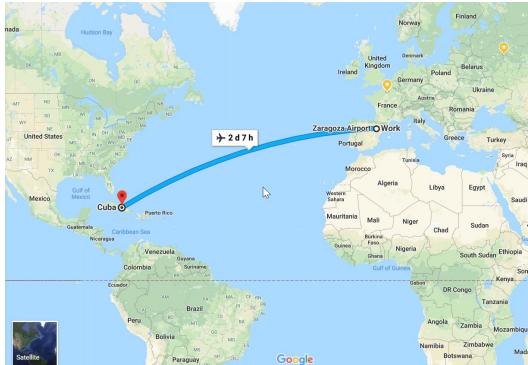
Students from more than **110 schools** got access to all scientific talks of **EuroPlanet Society Conference 2020**.

We organized **6 supporting talks** on topics of planetary sciences, with active participation of **43 schools** in them.



Future perspectives

During COVID we do not travel,
after COVID we will continue to
travel



We empower researchers who travel with new experience, we give schools new lectures to enrich their curriculum



What can we do together?

1. Online / onsite lectures
2. Local coordination of lectures
3. Webinars / Workshops

We welcome any ideas:

www.scied.network

Email us

networkscied@gmail.com

liubov.tupikina@cri-paris.org



Thank you!

Write to us about suggestions!

We are open to collaborate
All of our supporters, friends,
colleagues, partners, collaborators.

Want to partner with us?
Connect on www.scied.network



Stay in touch with us

- Slack - write to us!
- Webpage www.scied.network/page
- Register www.scied.network/page /
- Twitter <https://twitter.com/NetworkScied>
- Facebook
<https://www.facebook.com/Lecturerswirthoutborders>
- Github www.github.com/lecturers-without-borders/
- Gmail networkscied@gmail.com



Links to data presented:

- Google Data on covid relative mobility:
<https://www.google.com/covid19/mobility/>
- ICS aviation consultancy comparison EU/China:
<https://www.flightradar24.com/blog/learning-from-the-curve-chinese-aviation-may-offer-early-signs-of-a-covid-19-recovery/>
- United Nations COVID global education response:
<https://en.unesco.org/covid19/educationresponse>
- NY Times article on online school attendance:
<https://www.nytimes.com/2020/04/06/us/coronavirus-schools-attendance-absent.html>

Agenda

17h00-17h15 **Presentation** of LeWiBo

17h15-17h35 **Pre-COVID**: Speakers researchers

From recent lectures in Kenya share their experience

17h35-17h40 **Post COVID**: LeWiBo presents on changes in mobility and how it may affect traveling lecturers

17h40-18h00 **Open discussions** with scientists about their experience of online-offline lectures. How can LeWiBO help?
Crowdsource needs, share document and ZOOM recording



Lectures guidelines

Help-kit for scientists before
giving an on/offline lecture

Content and structure

- Ensure that the **content is suitable and relevant** for the audience. Use the opportunity to make a check up with the school teacher, **simplify!**
- Follow the **clear structure**: title of the lecture, introduction, main content, conclusion, useful links and literature for both students and teachers.
- Please, don't forget to **share materials of the lecture** with us to promote it on the web and in social media.

Technical issues

- Offline: check the technics with the school teacher (projector, laptop, micro, board and markers)
- Online: test the technics (video, audio, screen sharing)
- Define the rules of communication (questions etc.) in the beginning of the lecture
- For recorded videos: use hashtags with your subject (e.g.: #math), suitable age (e.g.: #highschool) etc.
 - We are always thankful to be included as #lewibo or #lecturerswitoutborders

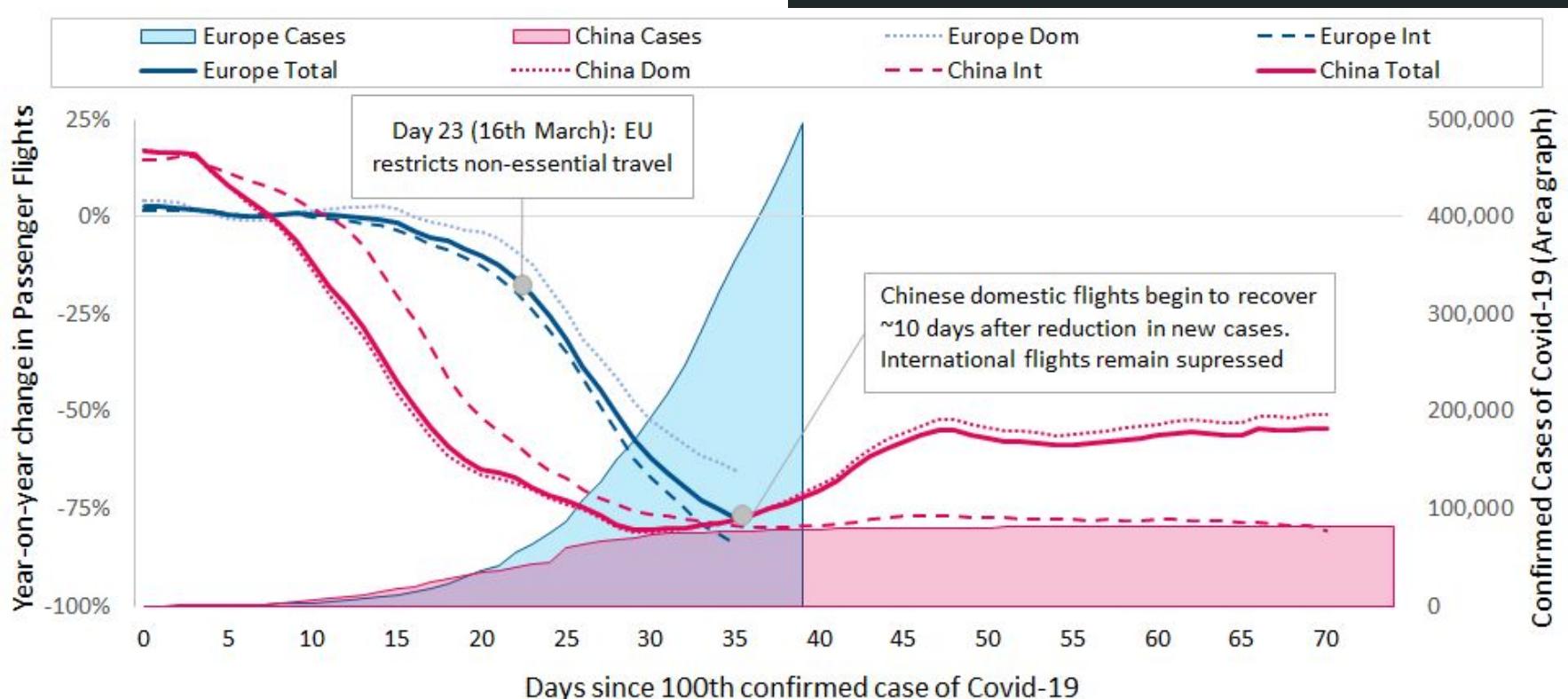
Webinar with LeWiBo and scientists

Reach out to community of people and facilitate discussions about the organisation of online (and offline) lectures.



Shifts in mobility

Projections for resuming flights
-by analogy to China-

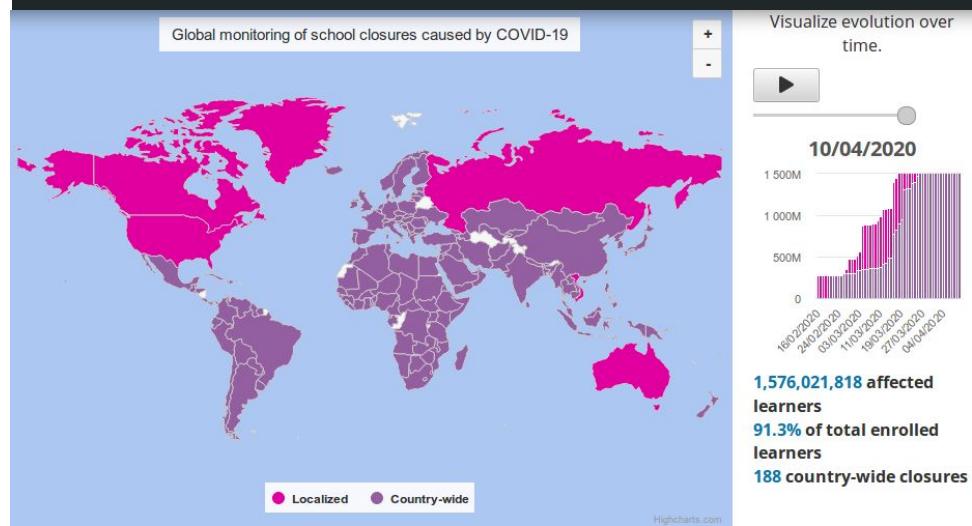


(source: ICM aviation consultancy)

Uncertain, effect of policy factors.

COVID-19 educational disruption and response

> Online education increases <



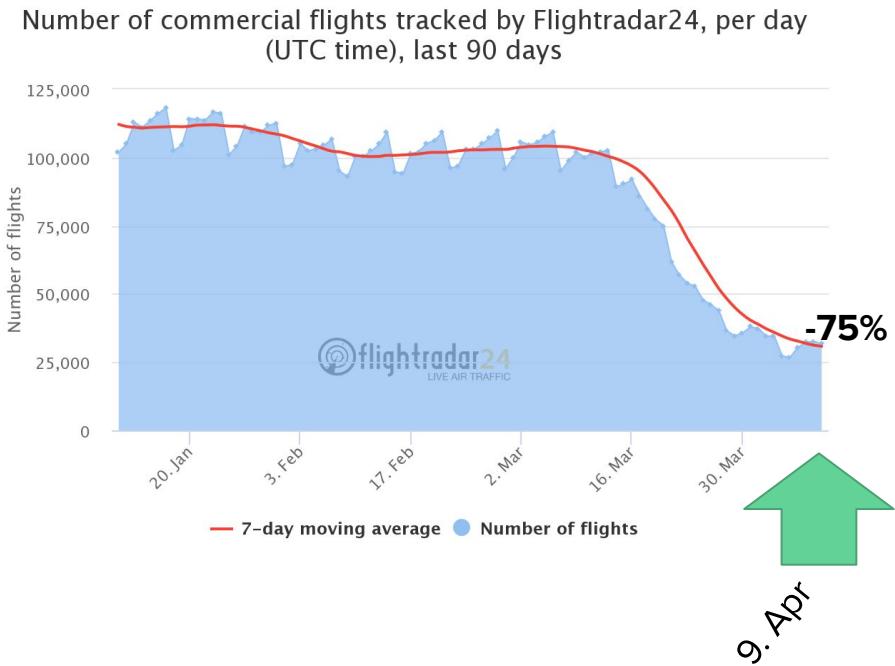
(19.02 - 10.04.2020, source: Unesco)

Daniel Gonzalez Rosas, 17, (...) “Most are under the impression that school is optional given the circumstances we are in,” he said.

08.04.2020 David Walter Banks

for *The New York Times*

Shifts in mobility



Relative mobility changes

(google anonymous data relative to a baseline* location frequency of users)

	Transit Stations	Residence
Italy	-87%	+24%
Germany	-68%	+11%
France	-87%	+18%
India	-71%	+22%
Indonesia	-54%	+15%

*Jan 3–Feb 6, 2020

COVID-19 educational disruption and response

(19.02 - 10.04.2020,

Source: Unesco)

