

# Green Team

## Pop the Bubble!

Members:

- Naoufel MOUDDA from Passau
- Ousmane TOUAT from Lyon
- Denisa-Gabriela BALAN from Bucharest
- Massimo BERTOCCHI from Milano

SEMINAR 1  
22-26.02.2021

PASSAU



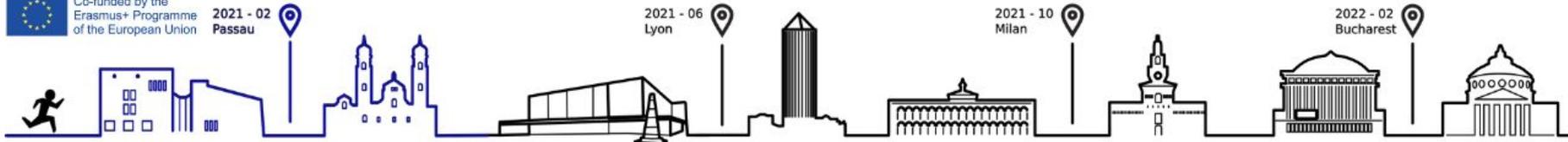
Co-funded by the  
Erasmus+ Programme  
of the European Union

2021 - 02  
Passau

2021 - 06  
Lyon

2021 - 10  
Milan

2022 - 02  
Bucharest





# FIT Europe

Let's pop the bubbles

Co-funded by the  
Erasmus+ Programme  
of the European Union

2021 - 02  
Passau

2021 - 06  
Lyon

2021 - 10  
Milan

2022 - 02  
Bucharest



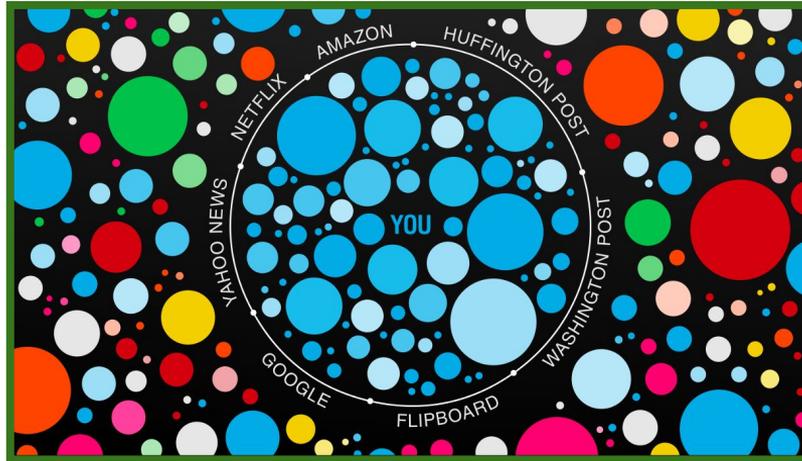


*How do filter bubbles influence people's opinions during the corona pandemic?*

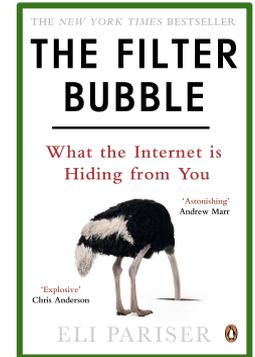


# What is a Filter Bubble ?

The web creates a **personalized closed** world of **information** for users



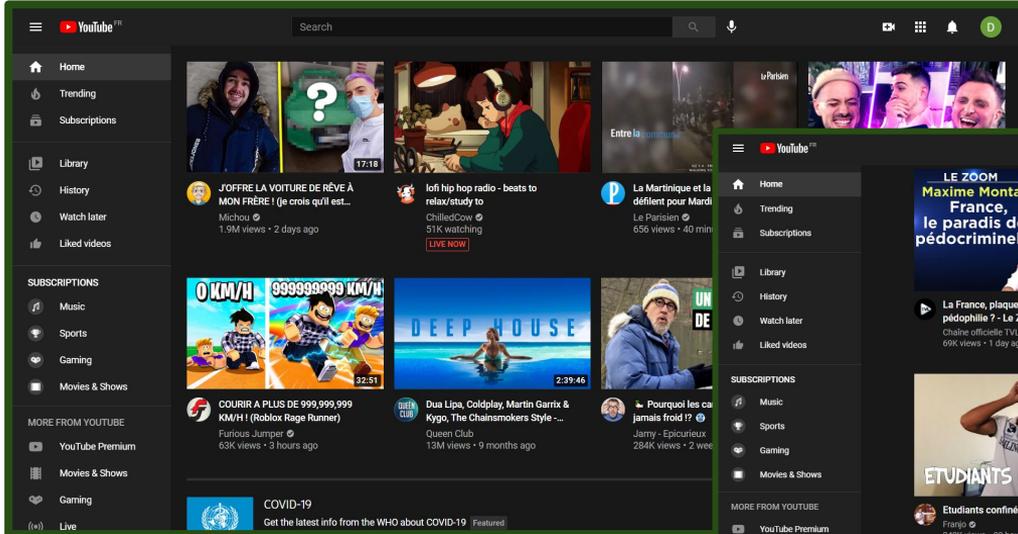
“What the Internet is Hiding from You” by Eli Pariser (2011).



“Filter Bubble” describes the **intellectual isolation** of individuals on the web.



# It creates your own world



Searching for “Big Pharma”, “Aluminium and vaccines..”, “Vaccination issues” videos on youtube



Before

&

After



# Controversial topics about corona



Kirby Institute UNSW @KirbyInstitute · 22 févr.

Our **Infection** Analytics Program has been working with @TheDohertyInst @Flinders @UniMelbMDHS to understand **the the evolution of immunity levels up to four months following #COVID19 infection.**

Over 350,000 the death toll in US (at that time)

Outside the bubble...

## PERSPECTIVE

### An evidence review of face masks against COVID-19

Jeremy Howard, Austin Huang, Zhiyuan Li, Zeynep Tufekci, Vladimir Zimal, Helene-Mari van der Westhuizen, Arne von Delft, Amy Price, Lex Fridman, Lei-Han Tang, Viola Tang, Gregory L. Watson, Christina E. Bax, Reshama Shaikh, Frederik Questier, Danny Hernandez, Larry F. Chu, Christina M. Ramirez, and Anne W. Rimoin

PNAS January 26, 2021 118 (4) e2014564118; <https://doi.org/10.1073/pnas.2014564118>

Edited by Lauren Ancel Meyers, The University of Texas at Austin, Austin, TX, and accepted by Editorial Board Member Nils C. Stenseth December 5, 2020 (received for review July 13, 2020)

“COVID-19 death toll ‘exaggerated’ ” D. Trump

COVID is not real!!!

DID YOU KNOW?



President Trump Retweeted



Donald J. Trump  
@realDonaldTrump

A total and complete sign off from White House Doctors yesterday. That means I can't get it (immune), and can't give it. Very nice to know!!!

4:39 PM · Oct 11, 2020 · Twitter for iPhone



# Ethics of Filter Bubbles

After reading online conspiracy theories, they thought the disease was a hoax - or, at the very least, no worse than flu. But then in early May, the couple caught Covid-19.

"And now I realise that coronavirus is definitely not fake," he says, running out of breath. "It's out there and it's spreading."



Apr 21, 2020, 10:21am EDT | 2,482 views

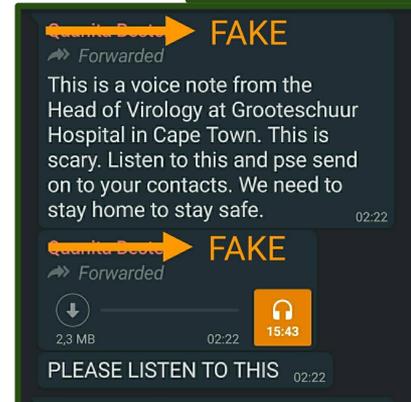
## Rise In Accidental Poisonings From Cleaners And Disinfectants Linked To Coronavirus Pandemic, CDC Report Finds



Robert Glatter, MD Contributor

Healthcare

I cover breaking news in medicine, med tech and public health



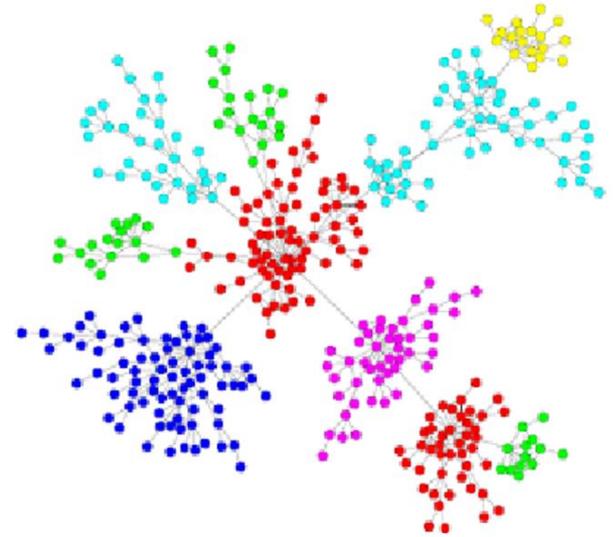
# How to alleviate the influence of filter bubbles?

- Offer **more diversified content** at the price of reduced user attention
- **Drawing the user's attention** to contrasting content in an attempt to diversify his or her view of things
- **Raise awareness** on the beneficial aspect of being open to diverse ideas



# Start by identifying and locating filter bubbles in social networks

- Identify **communities**
- Compute a score **describing** how diversified the access to information is
- Apply the score for each user in the **community**, this score indicates if there is a filter bubble for them or not



[Nabaa, 2009]



# Google's solution in the time of COVID-19

- **Statistics and top news**
- Daily change **graph**
- Map of **cases** of nearby geographic area

The screenshot shows a Google search for 'coronavirus' with the following elements:

- Search Bar:** 'coronavirus' with search options (All, News, Images, Videos, Maps, More, Settings, Tools).
- Results:** About 2,460,000,000 results (0.88 seconds).
- COVID-19 alert:** Coronavirus disease.
- Top stories:** Three news snippets from The Guardian, The New York Times, and CNN.
- Statistics:** Daily change graph for France showing new cases and 7-day average.
- Map of cases:** Map of Europe showing case distribution.
- Cases overview:** Summary for France: Total cases 3.61M, Recovered -, Deaths 84,613.

Date	New cases	7-day avg.
22 Feb 2021	4,646	20,041

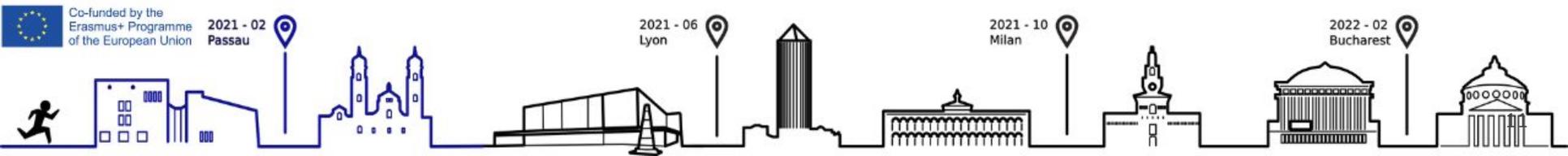
Metric	Value
Total cases	3.61M
Recovered	-
Deaths	84,613





# Thank you !

## Any questions ?





# Bibliography

[Moore, 2021] Mark Moore, Fauci fires back after Trump claims US COVID-19 death toll 'exaggerated', New York Post, January 3, 2021, <https://nypost.com/2021/01/03/trump-claims-covid-death-toll-exaggerated-fauci-hits-back/>, retrieved February 20, 2021

[Dunham, 2020] Jackie Dunham, 'Frightening!': Doctor debunks claims that wearing a face mask is more harmful than COVID-19, CTVNews, June 6, 2020, <https://www.ctvnews.ca/health/coronavirus/frightening-doctor-debunks-claims-that-wearing-a-face-mask-is-more-harmful-than-covid-19-1.4986734> , retrieved February 23, 2021

[Spring, 2020] Marianna Spring: Coronavirus: The human cost of virus misinformation, BBC, May 27th 2020. <https://www.bbc.com/news/stories-52731624> . retrieved February 20, 2021

[Glatter, 2020] Robert Glatter, Rise In Accidental Poisonings From Cleaners And Disinfectants Linked To Coronavirus Pandemic, CDC Report Finds, April 21, 2020, <https://www.forbes.com/sites/robertglatter/2020/04/21/rise-in-accidental-poisonings-from-cleaners-and-disinfectants-linked-to-coronavirus-pandemic-cdc-report-finds/?sh=4fb9b1804969> , retrieved February ,2021

[Perez,2020] Matt Perez, Trump Suggests Injecting Coronavirus Patients With Light Or Disinfectants, Alarming Experts, Forbes, April 24th 2020. <https://www.forbes.com/sites/mattperez/2020/04/23/trump-suggests-injecting-coronavirus-patients-with-light-or-disinfectants-contradicting-experts/?sh=638ad7644088> . retrieved February 20, 2021





# Bibliography

[Nabaa, 2009] Nabaa, M., Bertelle, C., Dutot, A., Olivier, D., & Mallet, P. (2009). A Dynamic Vulnerability Map to Assess the Risk of Road Network Traffic Utilization. arXiv preprint arXiv:0911.1707

Choudhury, Munmun & Counts, Scott & Czerwinski, Mary. (2011). Find Me the Right Content! Diversity-Based Sampling of Social Media Spaces for Topic-Centric Search..

