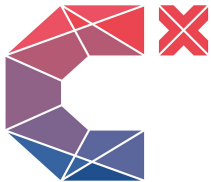# CorrelAid X France and friends

CorrelAidX France correlaid.org
Correl Con 2020

Who we are?

Real chapter ——————————→ virtual chapter
Before COVID19 vs. after-during COVID19 we got

Some links
1. CorrelAid-Paris github https://github.com/correlaid-paris
2. Some of CorrelAid ongoing projects
https://github.com/CorrelAid/projects/issues
3. General description of the projects:
https://github.com/CorrelAid
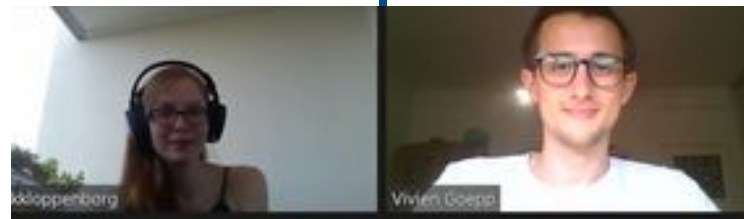
CorrelAid Paris group


Liubov Tupikina, Bell labs, CRI, LeWiBo, City Interaction lab

Mathematics, data analysis, computer science

Mariana, Total

Data analysis, Project management, Women in Data Science Paris 2020

Katharina Klopp, CRI

Computer science

Vivien Goepp, Mines ParisTech (Center for Computational Biology)

- Statistics
- Machine learning

CorrelAid Paris before and after COVID

Liubov Tupikina, Bell labs, CRI,   Mariana, Total
LeWiBo, City Interaction lab

Mathematics,   Data analysis, Project
data analysis, computer   management, Women in
science   Data Science Paris 2020
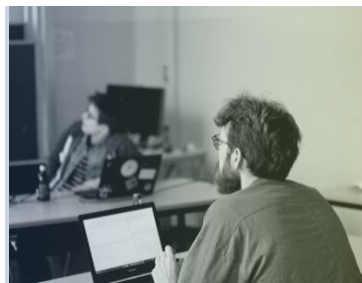
CorrelAid Paris
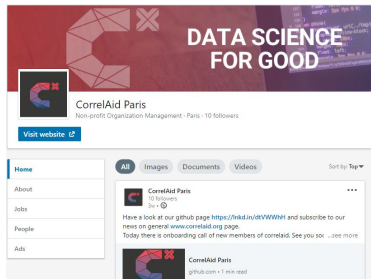
Social media

Facebook

[Linkedin](#)

[Github](#)
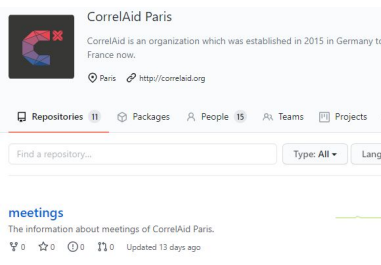
Open projects

Open projects

[https://github.com/corr elaid-paris](https://github.com/correlaid-paris)

Our events

Hackathons with partners:
JOGL x CorrelAid Paris 2019
CRI x JOGL x Correlaid Paris

Podcast

"About CorrelAid" french podcast and education

Education

We work together with Lecturers without borders www.scied.network, association which connects scientists around the world to schools

Health data analysis

We work with patients community on analysis of depersonlised data and for creating of free mobile app for patients

Health and education

We started the project with Ear Care Nepal, association in Nepal which is making screening of children in Nepal

Some of our projects

CorrelAid

Paris/France

Learn more here

CorrelAid Paris projects

1. **Citizen science project**
2. **MyAIguide**
3. **JOGL workshops and hackathons**

Contact emails:

MyAIguide Olivier Mirat
https://github.com/oliviermirat/MyAIGuide

Citizen science project
Muki.haklay (CRI, UCL)
Liubov.tupikina (CorrelAid Paris, CRI)
Frie (CorrelAid)
Bastian.greshake-tzovaras (CRI, Openhumans)

CorrelAid Paris on health

Main project idea:
Visualization and monitoring tools (application) for people suffering from chronic illness

Data:
Pain recordings from patients in the form of time-series

Contact emails:
MyAIguide Olivier Mirat (fully managed by Olivier and made with volunteers of CorrelAid)
Initial repository https://github.com/oliviermirat/MyAIGuide

liubov.tupikina@cri-paris.org (CorrelAid Paris, CRI)

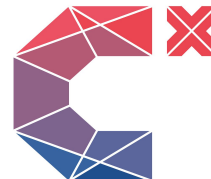|			
📁 MonsterMizerOpenData	adding fitbit data for participant 7	16 months ago
📁 firstExperimentsAndCode	working on READMEs again	2 years ago
📁 images	updated documentation	3 years ago
📁 notebooks_patients_data	improved analysis	8 months ago
📄 .gitignore	reorganizing folders, rewriting READMEs, opensourcing MonsterMizer data	2 years ago
📄 HowToTrackHealthData.md	adding the 2019 analysis	2 years ago
📄 LICENSE	Create LICENSE	3 years ago
📄 README.md	Update README.md	2 months ago
📄 prediction_time_series_pain.ipynb	distribution of predictions	7 months ago

README.md

🔗 MyAIGuide project and MonsterMizer project

This is the open-source part of the MonsterMizer.
You can find open-sourced data here: MonsterMizer Open Data.
You can find a first analysis of some of the data and the corresponding open-sourced code here: first experiment.

Organisation of the team for Cross-chapter Citizen science project

Organisation: Citizen science Data analysis project with CorrelAid France x UK
Team:
Katharina katharina.kloppenborg
Vadim vadimvoskresenskiy
Albrecht albrecht.mariz
Frank frankfschlosser
Anna anna.mogi_work
Florence florence.lopez
Heba Azzam
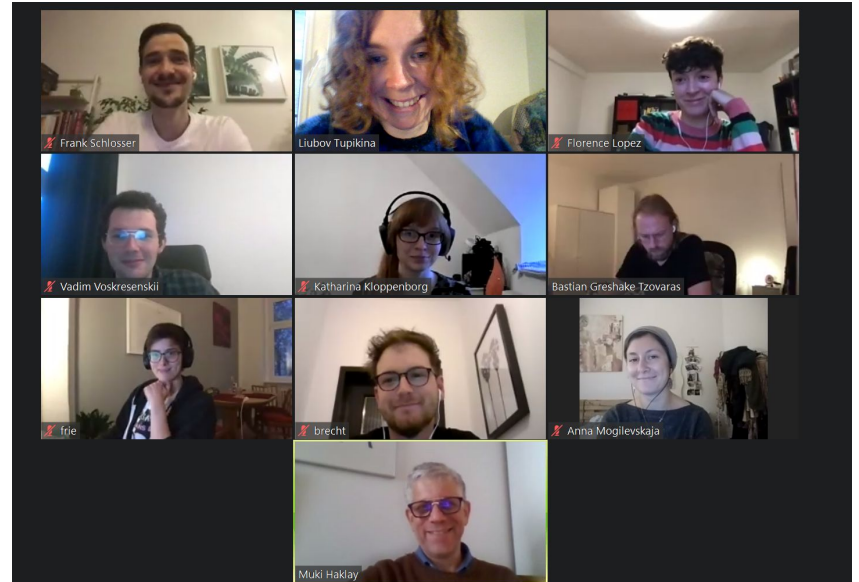
Contact emails:
muki.haklay (CRI, UCL)
liubov.tupikina (CorrelAid Paris, CRI)
 frie (CorrelAid)
Bastian.greshake-tzovaras (CRI, Openhumans)

Organisation Pipeline

How do we work?

Main discussions:
On slack (fast messages)
On email (as exception for concrete direct questions)

Main data and code:
Github (please send in slack your github handles)

TODO list (github issues board / trello):

- General data analysis: data cleaning, prep, analysis, visualisation
- Data preprocessing: each city/year can be downloaded from https://www.inatura

Project timeline: October 2020 - December 2020/ January 2021, ~4 hours per week
Contact email: muki.haklay@cri-paris.org (CRI, UCL) liubov.tupikina@cri-paris.org (Co
frie.p@correlaid.org (CorrelAid) bastian.greshake-tzovaras@cri-paris.org (CRI, Openhu

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CorrelAid Paris / correlaid citizen science

correlaid citizen science

@correlaid-paris/correlaid-citizen-science

This team has no description - Edit

8 members and **1 pending**

About project on citizen science

Organisation: Citizen science Data analysis project
Team: 1 team lead, 3 data scientists (one "beginner" position)
Topic:
Citizen science is a relatively new type of science. Everyone as a citizen can take part in it. In this project we are working with the data from the Open City Nature Challenge.
There are several questions, which are important for answering for the citizen science community:

Research questions
RQ1: Can we identify macroscopic laws of citizen science projects so that long term dynamics is different?
RQ2: How does the citizen science community on resources is growing in time?
What drives the community growth (preferential attachment or exogenous factors)?

Current repository and data examples:
https://github.com/Liyubov/citizen_science
https://www.inaturalist.org/projects/city-nature-challenge-2019?tab=species

Skills we will need:

- (at least basic) experience preparing and manipulating data in Python (Pandas)
- (basic) theoretical knowledge of machine learning (ML)
- (at least basic) experience with implementing ML in Python
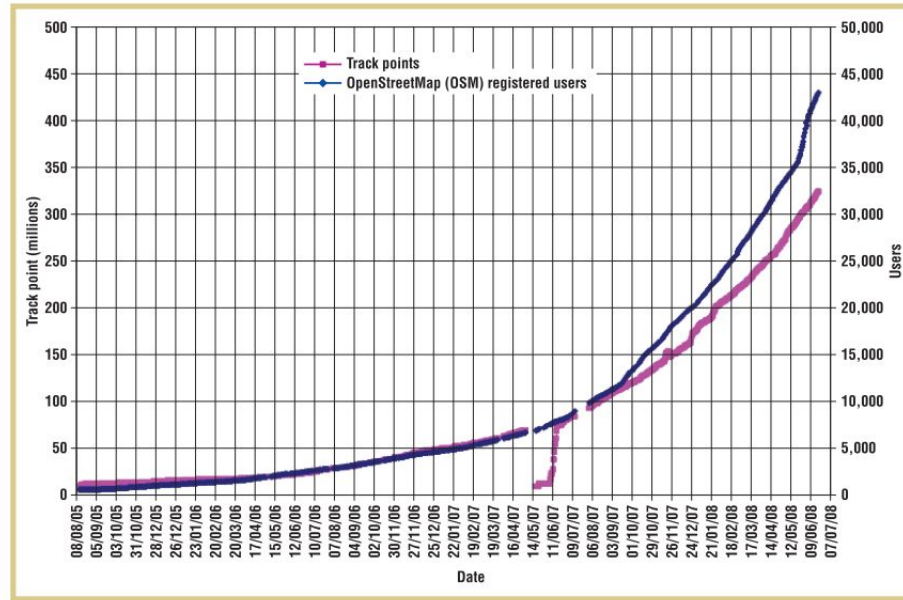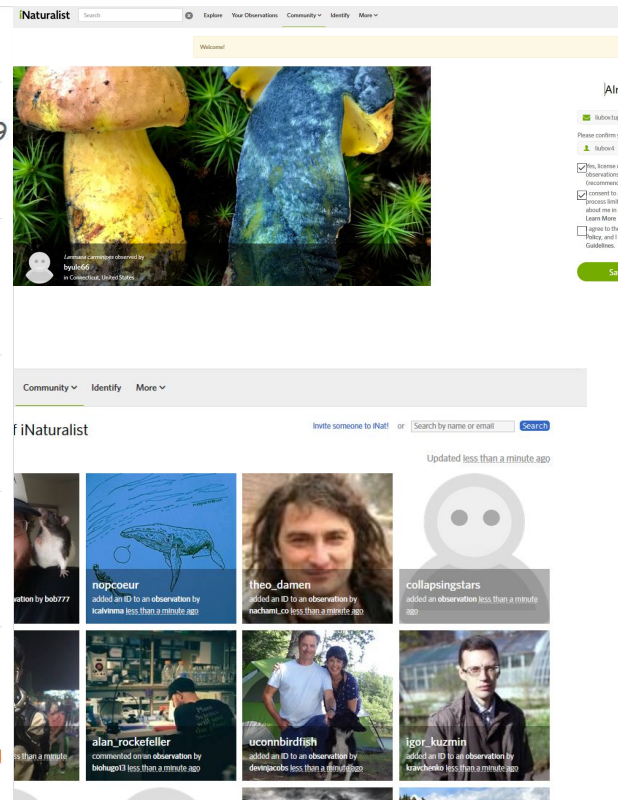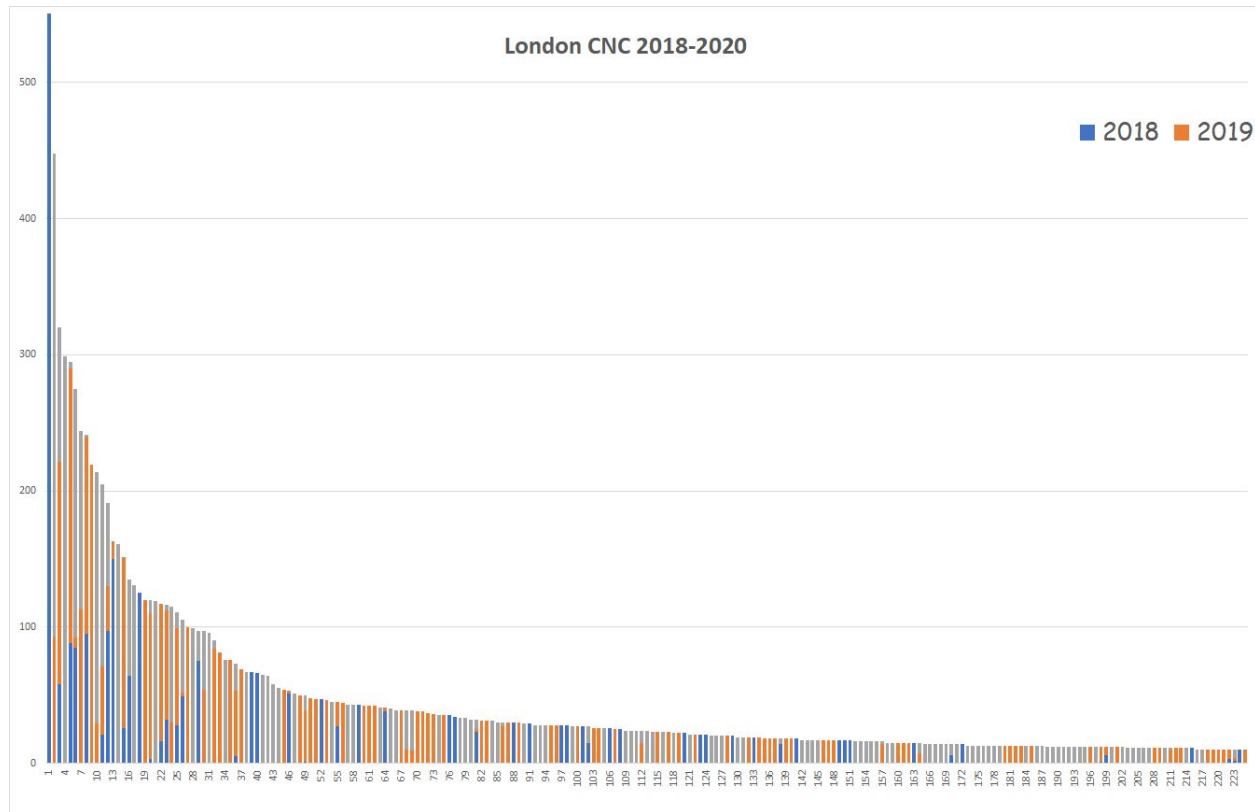
Why Citizen Science?

Figure 1. Graph of user and contributions growth to OSM on a monthly basis. The graph shows the accelerating growth in number of users and the rapid increase in data entry measured in track points (source: http://wiki.openstreetmap.org).

M.Haklay et al. "OpenStreet map: User-generated street maps" (2008)

iNaturalist community and data for good project

Collaboration btw correlaid X France city Interaction lab

Join us

https://sites.google.com/view/liubovkmatematike/city-interaction-lab?authuser=0

Workshop with correlaid NL Openstreetmaps analysis

Links to github
https://github.com/cityinteractionlab/openstreetmaps_osmnx_workshop
https://github.com/gboeing/osmnx-examples
https://github.com/cityinteractionlab/openstreetmaps_osmnx_workshop
Google colab
https://colab.research.google.com/drive/18aLg-YgrxMPUpR4iagZ5YnUnr yi0_b30#scrollTo=KwoM_vordZ__

City Interaction lab projects
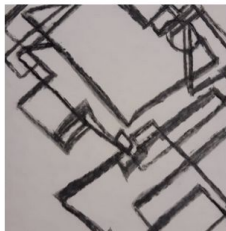
Project 1

We are currently working together with our partners on analysis of citizen science data from around the globe. If you are happy, join us, fork repository

https://github.com /cityinteractionlab/

And explore the open data from iNaturalist and citizen science platforms like SciStarter Project is organised thanks to Correlaid Germany and is lead by CorrelAid France (L.Bauer) together with UCL
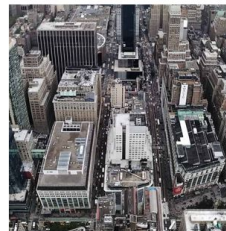
Project 2

Project on Researchers mobility with Openhumans and CRI:

Have a look at related publications https://euraxess.ec.europa.eu /worldwide/australia- nz/survey-covid-19-will- have-huge-impact- researcher-mobility-and

The webpage of participative project https://www.openhumans.org /activity/mobility-data-of- researchers/

Open positions: coordinator and data visualisation manager
Join us
verainthecity@yahoo.com liubov.tupikina@cri-paris.org

City Interaction
lab events

27th November online

https://sites.google.com/view/liubovkmatematike/city-interaction-lab/neo-urban-workshop?authuser=0

Our future actions

1. Project ongoing
2. Reading clubs on [papers around citizen science](#) and city analysis
3. Collaboration with other chapters Correlaid X
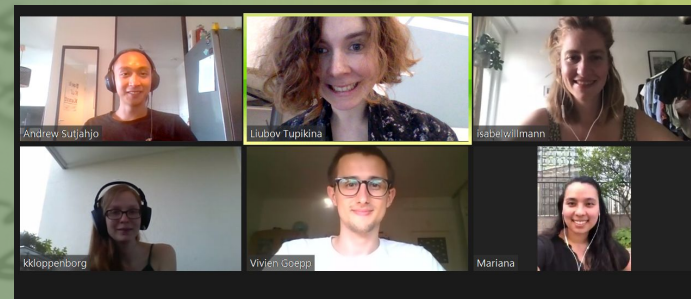4. Common events with City Interaction lab, CRI (France)

Start

Finish

Connect to us
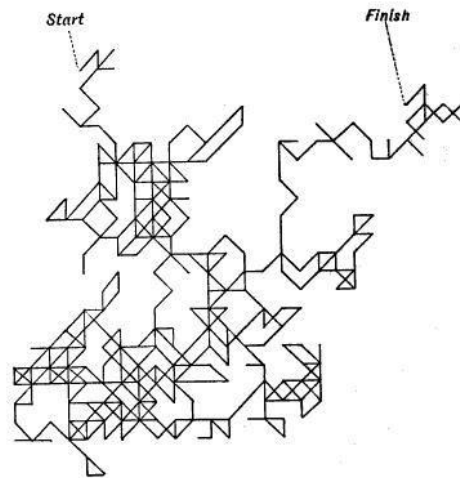
https://github.com/correlaid-paris
Correlaid slack Correlaid-Paris

ELAID

BETTER EFFECTS.