

# Welcome to Neo Urban Networks workshop

L. Bauer et al. City Interaction lab

27.11.2020

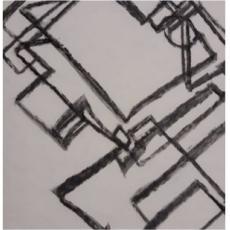


How the idea of the workshop came in?

The place for working on interdisciplinary projects on science, art and urbanism

[twitter.com/CityInteraction](https://twitter.com/CityInteraction)

# 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-researcher-mobility-and>

The webpage of participative project

<https://www.openhumans.org/activity/mobility-data-of-researchers/>



## Project 3: Vera in the city

How to design City offline sensors? So that privacy is preserved and that people are able to share some properties of the city are shared? The project is called "Vera in the city". The draft of the project is available on github <https://github.com/cityinteractionlab/verainthecity> and <https://github.com/liubovov/verainthecity>



## Project 4: Educational courses

We are open to suggest educational and art courses around the topic of the city. Example of the course on openstreetmaps (still in progress): [https://github.com/cityinteractionlab/openstreetmaps\\_osmnx\\_workshop](https://github.com/cityinteractionlab/openstreetmaps_osmnx_workshop)

We are happy to announce new projects coming with Romania First Tech Challenge

Main idea of City Interaction lab:  
Develop solutions from city to data and back  
Coordinate virtual residency during COVID19

Github <https://github.com/cityinteractionlab>

Website <https://sites.google.com/cri-paris.org/cityinteractionlab/>



## Augmented city inside forest

Using fast-style-transfer neural networks techniques we generate and transfer images from cities, using images from forest and other green and blue areas. The project was largely inspired by [BeForest](#) project.

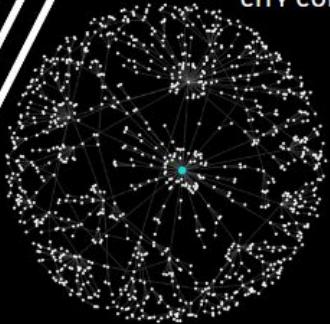
The project is one of the projects of City Interaction lab in Paris

<https://medium.com/@liubovbauer/style-transfer-for-augmented-city-21b1e36cc40b>

We also are working on the github repository (to be opened very soon).

PARIS, BERLIN, MOSCOW, ONLINE  
**NEO URBAN NETWORKS**  
**WORKSHOP**  
**2020**

SCIENCE URBAN COMMUNITIES  
OF NEW CITIES:  
URBAN DESIGN OF GREEN CITIES HOW CITIES  
ANSWER TO THE CRISIS (COVID, NATURAL  
DISASTERS, CLIMATE CHANGE) NETWORK OF  
CITY COMMUNITIES: ONLINE AND OFFLINE  
LIVING



**NOVEMBER  
27, 2020**

VIRTUAL PAVILION  
REGISTER FOR ZOOM LINK ATTENDENCE  
[HTTPS://FORMS.GLE/DUV6SS2SN3TDIDAN7](https://forms.gle/duv6ss2sn3tdidan7)

CITY INTERACTION LAB PRESENTS  
NEO URBAN NETWORKS

Main idea of the event:

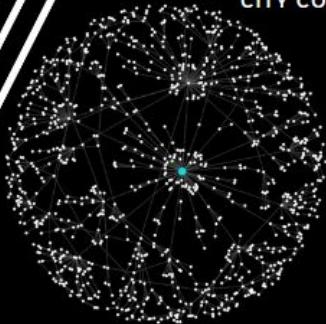
- Exchange ideas in interdisciplinary crowd of researchers, artists, architects, urbanists interested in neo cities
- Discuss Neo Urban topics:
  - communities living
  - cities under crisis
  - urban design and data visualisations

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Online talks and recordings  
Event [website](#)

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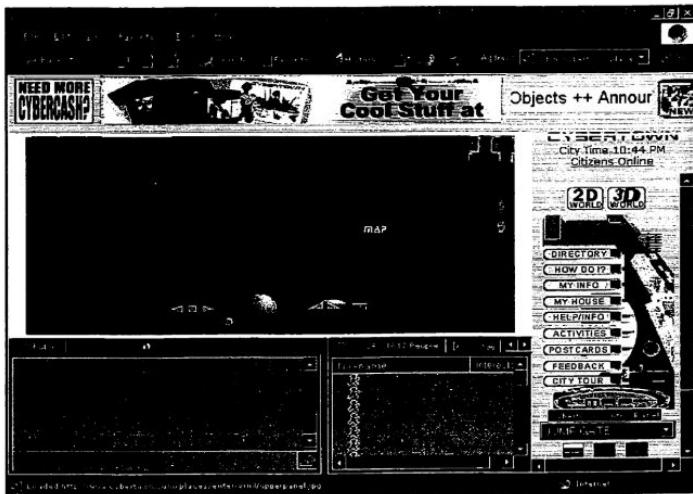
Speakers from around the globe:



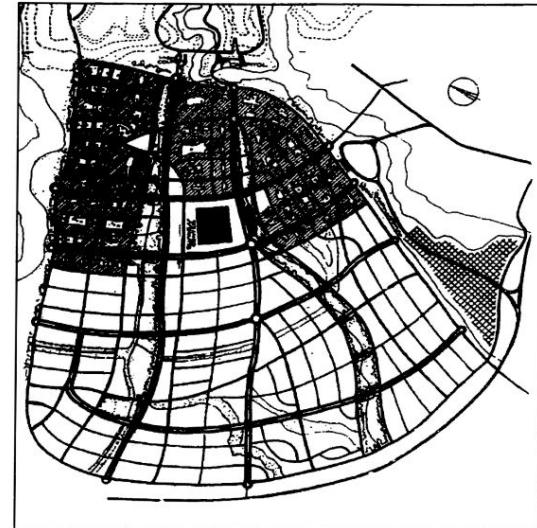
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## Neo Urban Network sessions:

- urban design and data visualisations
- communities living
- cities under crisis



Master Plan for Chandigarh by Albert Mayer RAIC Journal, 1955 (Evenson Norma, Chandigarh, 1966)

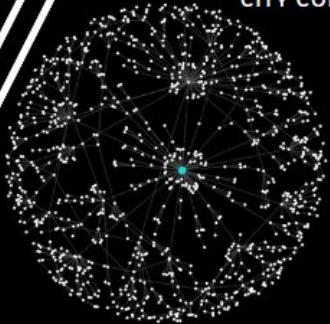


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CITY INTERACTION LAB PRESENTS  
NEO URBAN NETWORKS

Time	Speaker	Talk title
2h00 - 2h30pm	L.Bauer, All speakers	"Intro to Neo Urban Networks workshop" Presentation and introduction of all speakers
2h30 - 2h50pm	Luis Natera	"Leverating Network Science tools to analyze cities"
2h50 - 3h10pm	Claire Lagesse	"COVADEO Project : collection, visualization and analysis of geo-historical road data"
3h10 - 3h30pm	Yann Deval	"Atlas project: (VR, art and city)"
3h30 - 3h50pm		<b>Break and coffee/tea</b>
3h50 - 4h10pm	Marc Santolini	"Designing online communities to answer crises"
4h10 - 4h30pm	Jessica Flore Angel, Primavera de Filippi	"Feytopia: concepts of living in communities, architecture of communities"
4h30 - 4h50pm	Sara Reichert	"Democratization of Prototyping, Technologiestiftung"
4h50 - 5h10pm		<b>Tea break</b>
5h10 - 5h30pm	Anastasia Sukhoroslova	"All Things Urban: platform for urbanists"
5h30 - 5h50pm	Alexandre Ostrogorsky	"MARCH Architecture School: new ways and concepts of architectural education"
5h50 - 6h10pm	All participants	<b>Open table and closing remarks</b>
6h20 - 6h40pm		After workshop session



## Future events of City Interaction lab, Paris

1. Lecture on contemporary architecture - 17-19th December 2020
2. Educational hackathon with Romania highschool students - 12-15th December 2020 **mentors are wanted**
3. Hackathon on local city problems - with CorrelAid Germany - January 2021
4. **Open for suggestions**

Subscribe for news [here](#)  
Twitter @cityinteraction

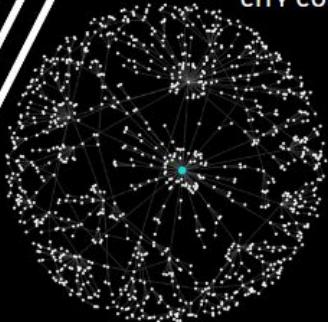
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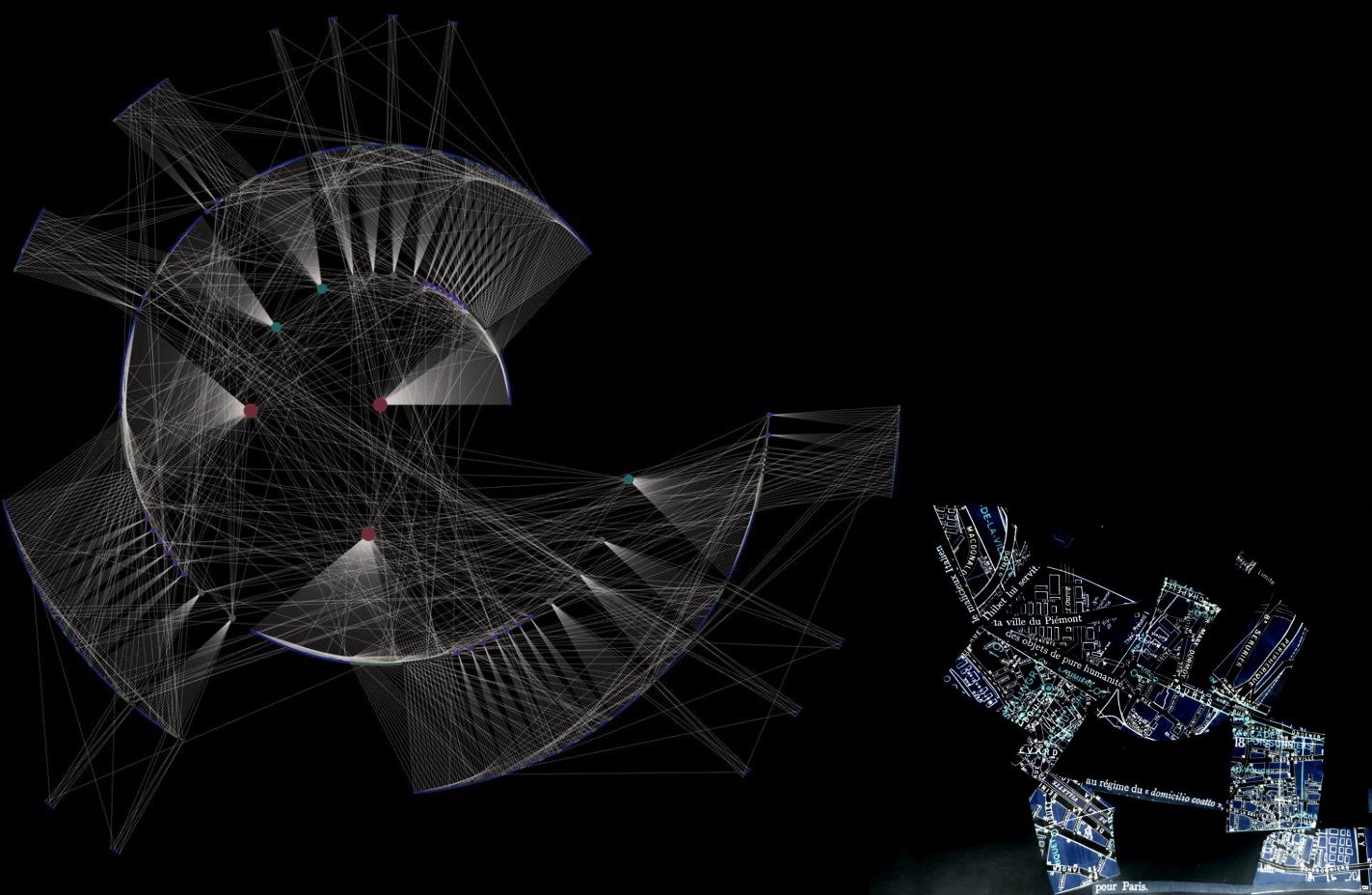
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CITY INTERACTION LAB PRESENTS  
NEO URBAN NETWORKS

Materials sharing  
[Folder](#)

...and let us start!

Event [website](#) and recording available later



## Contact us

<https://sites.google.com/view/liubovkmatematike/>  
[verainthecity@yahoo.com](mailto:verainthecity@yahoo.com)

## Future steps

- Neo Urban Networks workshop 2021
- Common events in 2021
- Paper for Special issue in A-U magazine
- Exhibition - virtual/online in Espace City Interaction lab



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# City Interaction lab projects

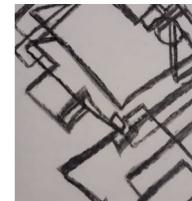
We are working on:

- citizen science (together with [CorrelAid](#), Germany, France and UCL, UK)
- educational projects: webinars and hackathons on data analysis
- science-art projects on city perception, big data in cities
- network analysis of bike systems around the globe
- shared mobility data (with Openhumans.org)

To learn more about them visit

<https://github.com/cityinteractionlab>

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# Projects around Citizen Science and openstreetmaps: Why citizen science?

Citizen science project from data from iNaturalist community. How geolocalized (mappers) community evolves in time and spatially? Project together with [CorrelAid](#) data volunteers, Germany, CRI, Paris, France and UCL, UK

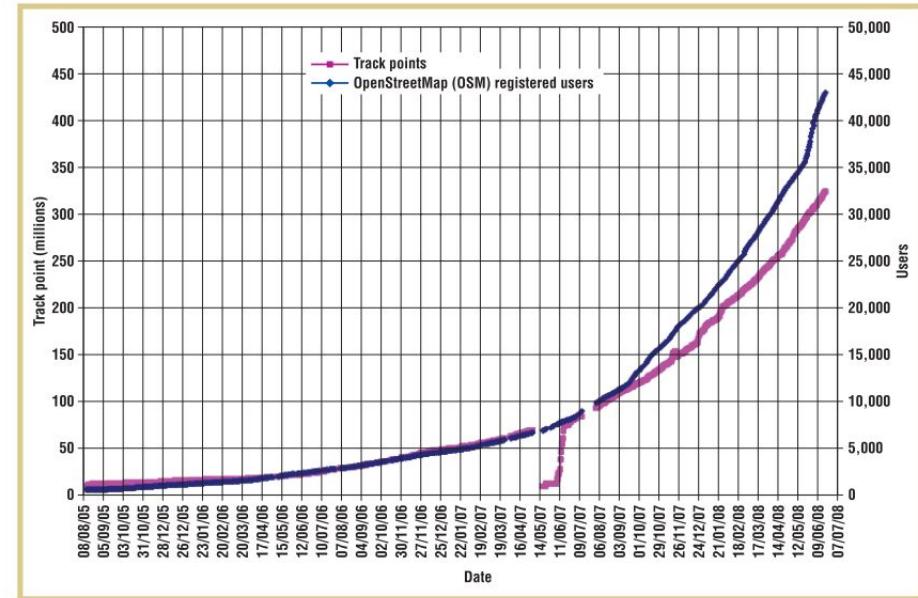
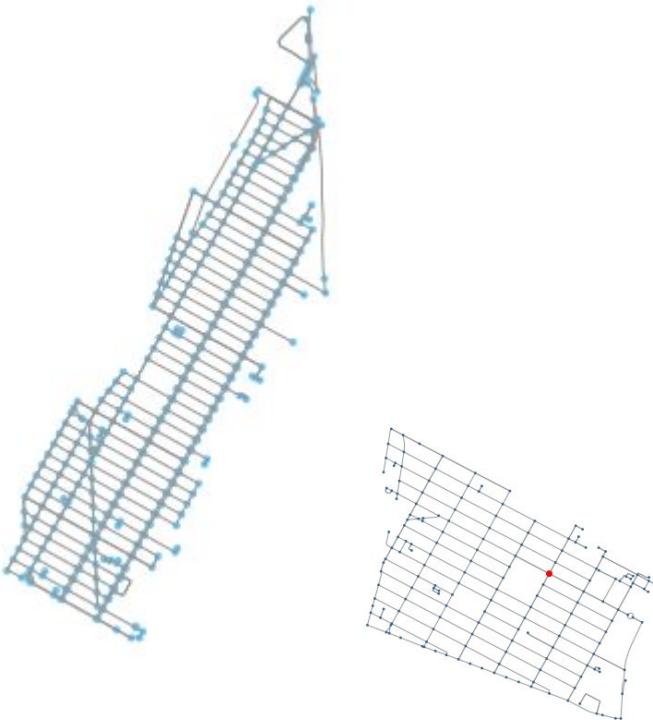


Figure 1. Graph of user and contributions growth to OSM on a monthly basis. The graph shows the accelerating growth in number of users and the rapid increase in data entry measured in track points (source: <http://wiki.openstreetmap.org>).

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

# Educational project on openstreetmaps analysis



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Links to github

[https://github.com/cityinteractionlab/openstreetmaps\\_osmnx\\_workshop](https://github.com/cityinteractionlab/openstreetmaps_osmnx_workshop)

<https://github.com/gboeing/osmnx-examples>

[https://github.com/cityinteractionlab/openstreetmaps\\_osmnx\\_workshop](https://github.com/cityinteractionlab/openstreetmaps_osmnx_workshop)