

CARLA SCIARRA

Researcher & Environmental Engineer

I'm a researcher and environmental engineer from Italy with four years of research experience in various fields, ranging from environmental sciences to complex physics and economics. I enjoy travelling, spending time outdoors, playing piano and networking.

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 /CarLaSciarra
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SDGs WORK AREAS



EDUCATION

PHD CANDIDATE

Politecnico di Torino | May 17 - (Oct 20)

Civil and Environmental Engineering. Major in Hydrology. Studies on statistics, complex networks, data science, economics, water resources and food production.

Research objective: to develop mathematical tools to define economic and environmental performances of countries, based on trade and production.

VISITING SCHOLAR

University of California Berkeley | Aug 19 - Dec 19

Studies on International Economic Development Policy.

Research objective: to study the impact of irrigation schemes on malaria epidemics.

MASTER'S DEGREE

Politecnico di Torino | Oct 14 - Dec 16

Environmental Engineering. Major in Hydrology. Final grade 110/110.

EXCHANGE SCHOLAR

Ecole Polytechnique Fédérale de Lausanne | Set 15 - Feb 16

CH-International Mobility - Environmental Engineering.

ECHO LAB | Feb 16 - Aug 16

Research objective: to develop mathematical models of the cholera outbreaks in South Sudan.

SUMMER SCHOOL

Perm' State University | Aug 15

Environmental criticalities in Russia.

BACHELOR'S DEGREE

Politecnico di Torino | Oct 11 - Oct 14

Environmental Engineering. Final grade 102/110.

DIPLOMA

Liceo Scientifico E.Mattei Castrovillari | Sep 06 - Jul 11

High School. Final grade 97/100.

EXPERIENCE

CONFERENCE ORGANIZER

Turin | Oct 19

"Tracking Innovation trajectories in the complex economies". Awarded with fundings from the Institute of New Economic Thinking as a Young Scholar Initiative

Florence | Nov 18

"Rischio Alluvionale: 7 sfide per il 2020". Gruppo Alluvioni Italiano (GRAL).

CO-FOUNDER

Young Guru Academy Italy ODV | Mar 19 - On going

Non Profit Organization aiming at diffusing technical culture amongst young people and at cultivating socially conscious scientific leaders of the future.

TEACHING ASSISTANT

Politecnico di Torino | Mar 18 - On going

Spring Semester class "Climate and Socio-economics changes".

VOLUNTEER

Young Guru Academy Turkey & Politecnico di Torino | Apr 18 - Oct 18

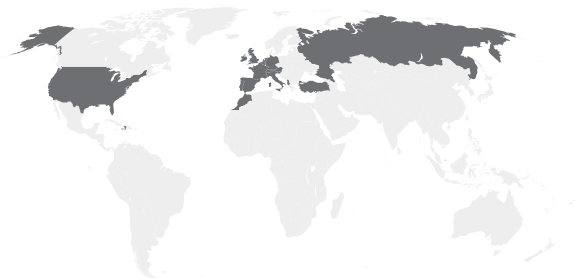
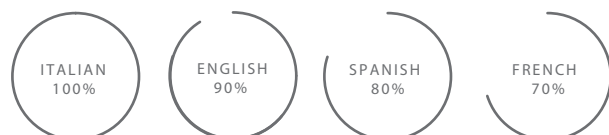
Engaging children in STEM. Science sessions with syrian refugees and visually impaired kids.

PUBLICATIONS

- **Reconciling contrasting views on economic complexity**
In press - Nature Communications | June 2020
Sciarra C., Chiarotti G., Ridolfi L., Laio F.
- **Rainfall as a driver of epidemic cholera: Comparative model assessments of the effect of intra-seasonal precipitation events**
Acta Tropica | Feb 19
Lemaitre J., Pasetto D., Perez-Saez J., Sciarra C., Wamala J. F., Rinaldo A.
- **A change of perspective in network centrality**
Scientific Reports | Oct 18
Sciarra C., Chiarotti G., Laio F., Ridolfi L.
- **Mathematical modeling of cholera epidemics in South Sudan**
arXiv preprint | Jan 18
Sciarra C., Rinaldo A., Laio F., Pasetto D.

LANGUAGE SKILLS & WORLD EXPERIENCES

Mothertongue: Italian. Learned English, Spanish and French in college, working and travelling.



TECHNICAL SKILLS



PERSONAL SKILLS

