



**UPO** UNIVERSITÀ DEL PIEMONTE ORIENTALE  
DIPARTIMENTO DI SCIENZE E INNOVAZIONE TECNOLOGICA

## EVENTI DiSIT

Seminario | Seminar

06-12-2023

15:00-16:00

Sala Seminari Informatica - C192

L'evento sarà trasmesso anche in streaming:

<https://meet.google.com/qkz-yhvp-abs>

# ATGreen: a large-scale framework to characterize accessibility to public green in urban environments

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As the share of the worldwide population living in cities is rising, urban greening interventions are increasingly relied upon to improve the health outcomes and the well-being of urban communities and mitigate cities' environmental footprint. On one side, local communities' use of public green areas -for physical activity, leisure, and social exchange- has been associated with healthier lifestyles and increased social cohesion. Conversely, public green areas are practical solutions to pressing environmental challenges, providing biodiversity support and carbon storage and acting as soil protectors and temperature regulators. This seminar will introduce a large-scale computational framework to characterize accessibility to urban green areas at a high resolution, leveraging a comprehensive set of spatial open data. We will discuss the role of the structural characteristics of the cities, unveiling the impact of small green areas as accessibility enhancers. At last, we will hint at how to use the framework to simulate the effects of different urban interventions, from adding a new public green area to infrastructural interventions to the street network, to help policymakers shape transitions toward more sustainable and accessible urban environments.

EVENTO APERTO A:

Docenti | Teachers, Borsisti | Research Fellows, Assegnisti | Postdoctoral researcher, Dottorandi | PhD students, Studenti | Students

SEMINARIO IN LINGUA: ITALIANO | ITALIAN

