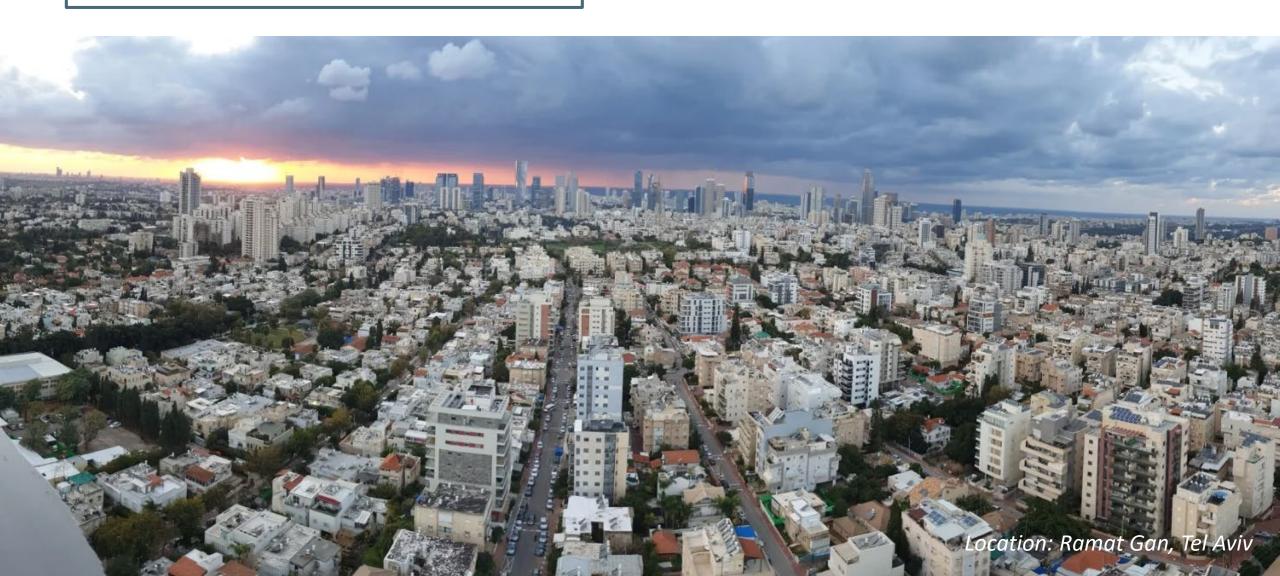


# THE NEW HABITAT





### CLIMATE CHANGE AFFECTS

#### Urban spaces can deconstruct mental health:

- Anxiety, stress, nd depression
- Climate gentrification and displacement
- Loss: 1000-4300 premature deaths each year
- (U.S., 2022 CDC)
- Extreme weather conditions





### URBAN FOREST BENEFITS

Urban forests are regenerative spaces for:

- Psychological relaxation and stress alleviation
- Stimulating social cohesion
- Supporting physical activity
- Reducing exposure to air pollutants, noise, and excessive heat

## THE ENVIRONMENT OF MENTAL HEALTH



Cooler days reduce mental health.



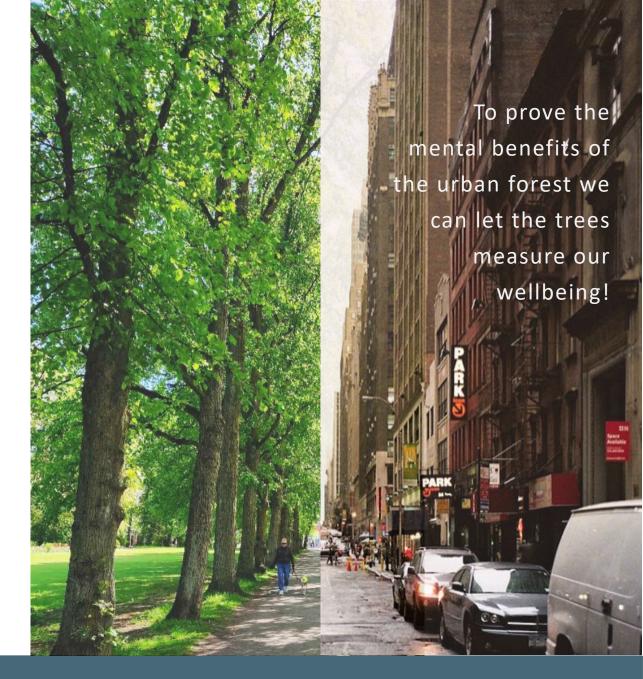
Vitamin D helps with depression, fatigue and brain development



Noise pollution can cause psychiatric disorders,

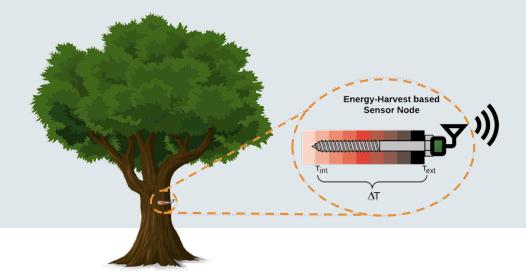


Air pollution causes anxiety, depression, and conduct disorder.



# SMART CITY SMART CHOICES







sustainable sensor system can monitor current environmental conditions in shaded urban forest and green spaces.



Collecting data of temp., air quality, noise level and light to be analyzed and shared with existing monitoring systems.



Environmental data is shared to the internet making it accessible and generating a network of information for all users.

### Urban forest application by City4forest



### **CONCLUSION**



Nature in cities increases our mental health, wellbeing, and quality of life.



Trees can help us measure live data of current conditions to make smart choices for our mental health and wellbeing.



Generating a network of live environmental conditions provides information to all and generates an equitable mitigation to mental disorders.



#### THANK YOU

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In collaboration with UW Tacoma Global Honors and research in technology and the impact of our environment.

