

A Universally Accessible Urban Forest

Sustainable Mobility

Students: Daniel Okumu | Nguyen Kieu Le | Keida Kasa | Mehdi Gholamnia Fuman | Athanasios Barbarlias | Rebeka Váradi

Tutors: Deni Ruggeri | Mary Christensen



Co-Funded by the
Erasmus + programme of the
European Union



OLA



PROJECT PARTNERS



ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA



Hochschule für
Wirtschaft und Umwelt
Nürtingen-Geislingen



WEIHENSTEPHAN · TRIESDORF
University of Applied Sciences



ΓΕΩΠΟΝΙΚΟ ΠΑΝΕΠΙΣΤΗΜΙΟ ΑΘΗΝΩΝ
AGRICULTURAL UNIVERSITY OF ATHENS



UNIVERSITY OF
MARYLAND

common/space



FONDAZIONE FLAMINIA
PER L'UNIVERSITÀ
IN ROMAGNA

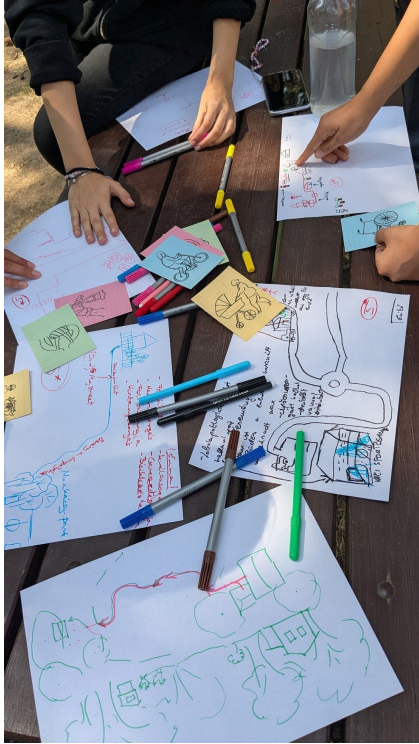
Vision-Vízió

Create an accessible greenway system that people of all ages and abilities can enjoy

Connect the Törökhegy forest and other forests, parks, and green spaces in Vác

Create sustainable mobility for the community to easily and safely access the Törökhegy forest

Process-Folyamat



Mapping how to go to their favorite nature spot



Persona: How to bring a friend or family member with mobility challenges to this spot



Co-designing a park with nature materials found at the park

Process Findings -Folyamat



Empathy and awareness of those with different abilities



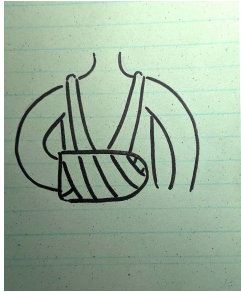
Pedestrian and bike-friendly crossings



Green streets and **rain gardens** for **water capture and biophilia**



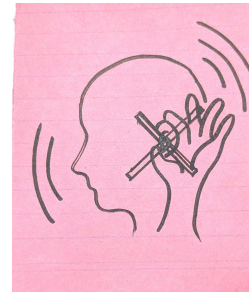
Continuous pathways, **stroller & wheelchair friendly** surfaces



Softer trail materials like **mulch**



Spaces for **gathering** with family and friends



Visual wayfinding

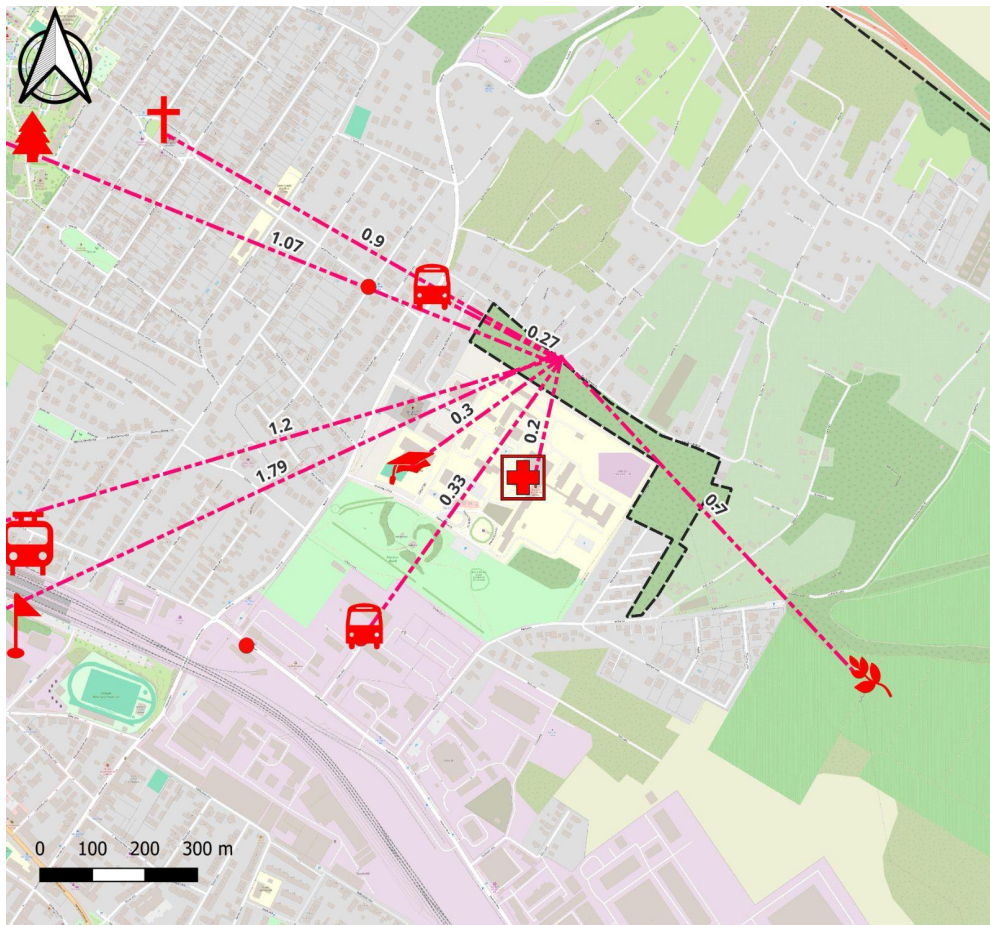


Noise reduction and **auditory cues**

Project Goals and Principles-Projekt célok és alapelvek

- Make the forest and its edges **accessible** to everyone
Improve pedestrian pathways with soft materials, and include pedestrian-oriented lighting
- Provide **safer road crossings** (zebras) on busy access streets
- Preserve forest space for **exploration and play**
- Turn the forest into a **memorable and imageable** landscape that people will **attach** to
- **Simplify signage** for easier identification and use a **common tree palette** for visual cohesion and **wayfinding**
- Reduce **impermeable pavements**, street dieting to slow traffic and **rainwater capturing**

Site Analysis-Helyszín elemzése



Legend

- Törökhegy Forest
- Hospital
- Church
- Train station
- Park
- Bus stop
- School
- Orchards
- Furthest bus stops
- City center
- Distance (in km)



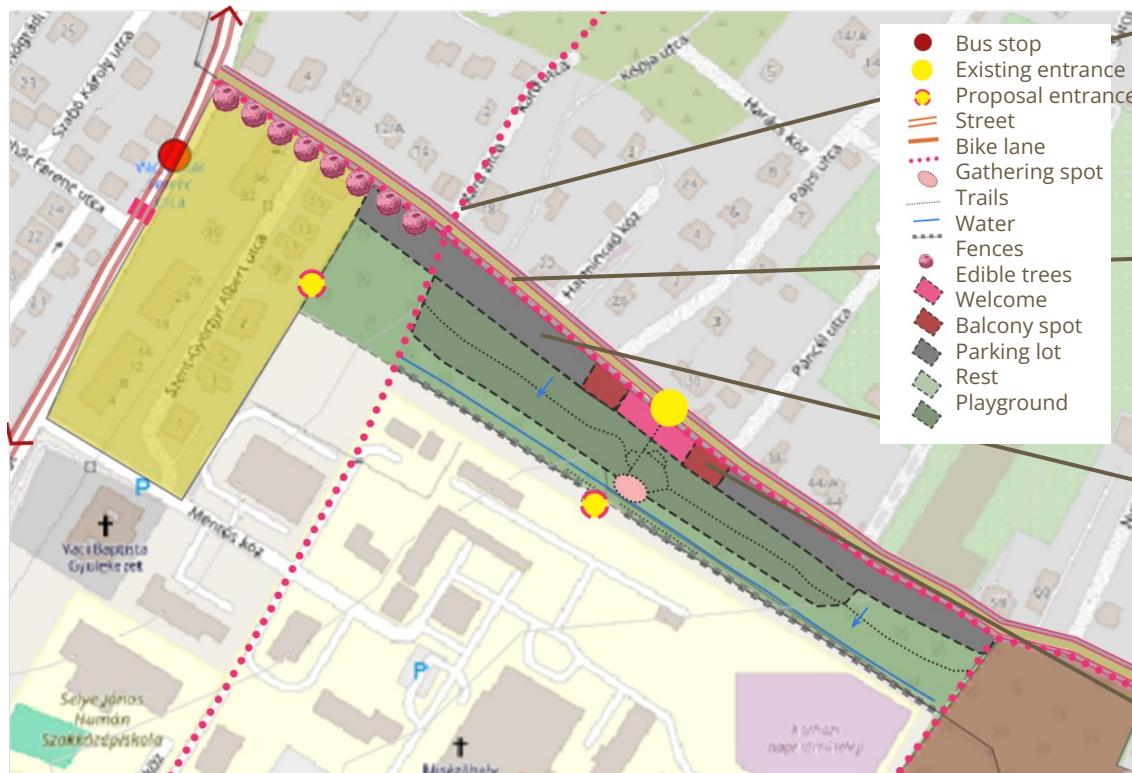
Distances to the Törökhegy Forest-Távolságok

Places	Walk	Car	Bus	Bike	Difference in Elevation
Törökhegy					147 m
Lehár Ferenc utca	5 min	1 min	-	1 min	143 m / - 4 m
Hospital	5 min	2 min	-	1 min	140 m / -7 m
Park	15 min	3 min	11 min	5 min	136 m / - 11 m
Kórház utca	4 min	-	-	2 min	134 m / -13 m
School	8 min	3 min	-	2 min	133 m / -14 m
City Center	33 min	8 min	22 min	11 min	119 m / -28 m
Train Station	27 min	5 min	25 min	9 min	117 m / - 30 m
Orchards	28 min	9 min	25 min	8 min	159 m / +12 m

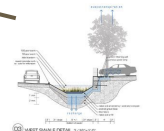
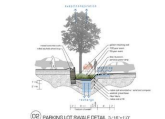
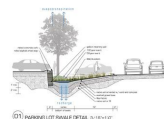
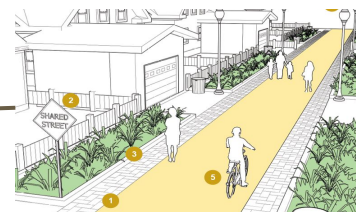
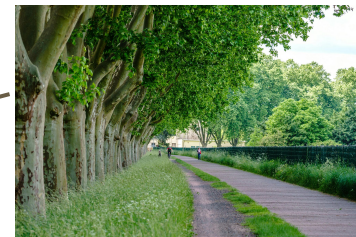
Existing Conditions - Előtte



Proposed Changes - Utána

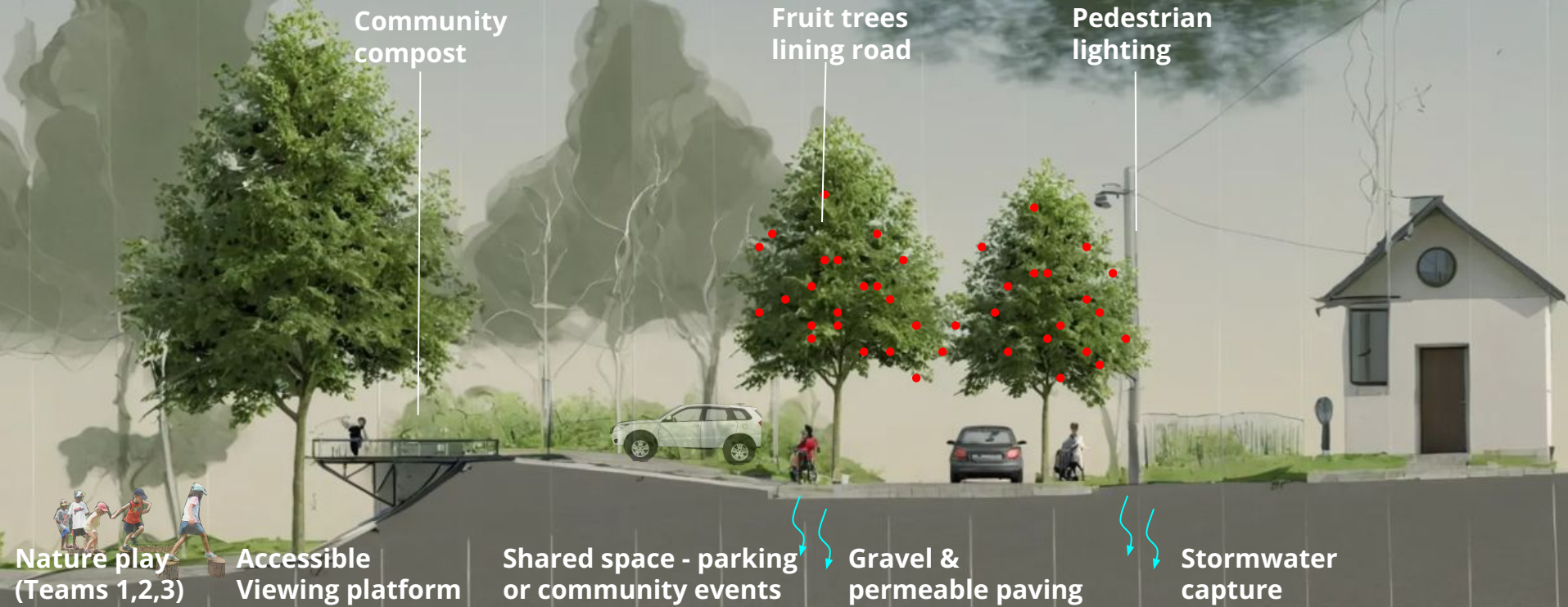


- Bus stop
- Existing entrance
- Proposal entrance
- Street
- Bike lane
- Gathering spot
- Trails
- Water
- Fences
- Edible trees
- Welcome
- Balcony spot
- Parking lot
- Rest
- Playground



After Section and Accountability

Szakaszok és elszámoltathatóság



Thank you for your attention!



Köszönjük a figyelmet!

Daniel Okumu | Nguyen Kieu Le | Keida Kasa | Mehdi Gholamnia Fuman | Athanasios Barbarlias | Rebeka Váradi

Deni Ruggeri | Mary Christensen