

CLIMATE FITNESS GAME BOOKLET



**CHANGE
OUR
TOMORROW**

TABLE OF CONTENTS

UCR Project	1
Meet the Team	2
Climate Fitness?	3
Game Mission	4
Westbahnhofpark	5
Who's on Board?	6
How to Play	8
Possible Outcomes	9
Impact Score	11
Synergies	13
Journey to Climate Fitness	15
Bringing the Vision to Life	16
Your Next Mission	17
Contact Us	18

URBAN CLIMATE REACTOR PROJECT

Cities are increasingly impacted by climate change. As urban areas expand & climate impacts intensify, the need for resilient, future-proof strategies is critical.

To tackle climate-related challenges, the UCR project, financed by the city of Vienna, focuses on assessing climate adaptation & mitigation strategies through an interdisciplinary lens, aiming to crack the code on how various measures interconnectively shape urban resilience.

The project also serves as a launchpad for junior researchers, offering hands-on experience & the chance to contribute to meaningful work.

Our goal? A practical toolkit designed to help cities navigate complex climate challenges effectively, empowering them to select the best strategies to maximize synergies & adapt effectively.



MEET THE TEAM



Mélanie Michel

Junior Researcher & Lecturer

With a mix of expertise in International Relations, Environmental Technology & Economics, Mélanie dives into the world of intersectional urban development. They're all about figuring out how climate strategies can boost resilience, meet the diverse needs of communities & create a more inclusive urban fabric.

Jasmin Helnwein

Junior Researcher & Lecturer

Jasmin explores the complex interplay between human activities, climate change & the natural environment, drawing on her expertise in Nature Conservation & Biodiversity Management. She specializes in life cycle analyses & microclimate simulations, helping to understand the environmental impact of urban transformation.



CLIMATE FITNESS?



Climate fitness is about creating urban spaces that can tackle climate change head-on. Think of it as sustainability on steroids, with a twist:

- **Coping Capacity:** Proactive strategies that enhance a city's ability to stand strong against climate impacts.
- **Adaptability:** Flexible solutions that allow urban areas to evolve in line with the progress of modernity.
- **Transformability:** Significant shifts aimed at ensuring long-term sustainability.
- **Eco-Harmony:** Finding a balance where urban development works hand-in-hand with nature, not against it.





GAME MISSION

The **Climate Fitness Challenge** immerses players in the world of planning urban green spaces, like parks. This serious game is your chance to learn why parks matter, with a focus on making them climate-fit while juggling community needs, political realities, tight budgets & sustainability.

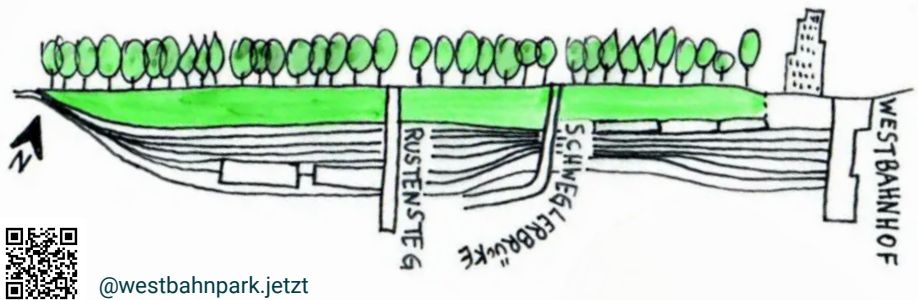
As players you'll step into the shoes of tech gurus, eco-warriors, community champions, educators, or city officials, navigating through the maze of climate resilience, community needs & sustainability. Get ready to strategize, problem-solve & evolve together as a team, unlocking the secrets to crafting vibrant urban parks that are ready for anything the future throws their way!



WESTBAHN PARK

The Westbahnhofpark Initiative dreams big, aiming to revitalize Vienna's bustling 15th district with a leafy oasis that boosts the city's charm & combats climate change. The plan is to transform an underused section of the West Station into a 1.2 km green corridor that cools the city & connects communities—if the municipality gets on board!

This initiative seeks to revitalize one of Vienna's most densely populated areas, creating a park that enhances quality of life & creating a park that could become a model for climate fitness.



Now, picture yourself as part of a team of planners bringing this vision to life: **How would you design a park that maximizes impact? Which amenities will you include?**

WHO'S ON BOARD?

Each character brings unique skills & some also bring certain responsibilities to the project. Roles are assigned randomly, so get ready to take on a unique perspective as you work together to transform the park.

Lee Harker - Educator

Lee is a green-thumbed superhero, turning city gardens into interactive classrooms. They champion accessible learning, using the Westbahnhofpark to inspire lifelong learning & environmental connection. **Lee also ensures the group members decide on park ideas democratically.**



Casey Reed - Eco Specialist

Casey, a passionate biologist, champions renewable resources & eco-friendly practices, always advocating for investments in ecological regeneration to keep the park thriving. They're paving the way for a greener future!



Spencer Knox - Government Official

Spencer, the guardian of public projects, is all about playing by the rules & making sure everything runs smoothly. They are cautious about initiatives requiring big investments or disrupting the area's character. **They're also responsible for the bookkeeping throughout the game.**



Avery Hart - Community Liaison

Avery bridges the gap between the project team & the locals of Rudolfsheim-Fünfhaus, driven by a passion for social equity & accessibility. Their mission? To build trust & transform the park into a cherished green space for all.

Quinn Brooks - Tech Specialist

Quinn is a technocrat skilled at integrating green technologies into urban spaces, focused on boosting functionality, sustainability & visitor experience. **As the group's moderator, Quinn reads the cards & presents the park's options.**





HOW TO PLAY?

Getting Started

Characters are assigned randomly to the players. The initial budget is 200\$ (fictional currency).

. How to Play

- **Step into your character's shoes**
 - Embrace your role & focus on your character's goals while working as a team to design the park.
- **Discuss & negotiate**
 - Begin by discussing the first card (task). Once the team has reached a consensus, move on to the next card. Think about potential synergies with the measures already selected.
- **Final step**
 - Card 11 is the final task. Afterward, calculate your points from measures & synergies using the game booklet.

GAME OUTCOMES

A **climate-fit park** seamlessly integrates environmental sustainability, tech, social health, learning & community ties. This park offers a vibrant environment that not only meets but exceeds the needs of a diverse urban population, setting a high standard for future urban development. In essence, it's the superhero of all parks!

Score Bracket: 23 - 30

A **balanced park** strikes a good harmony between environmental sustainability, community needs & practical functionalities. It's well-rounded in design & initiatives, creating a welcoming space while building a foundation for climate & social resilience.

Score Bracket: 16 - 22

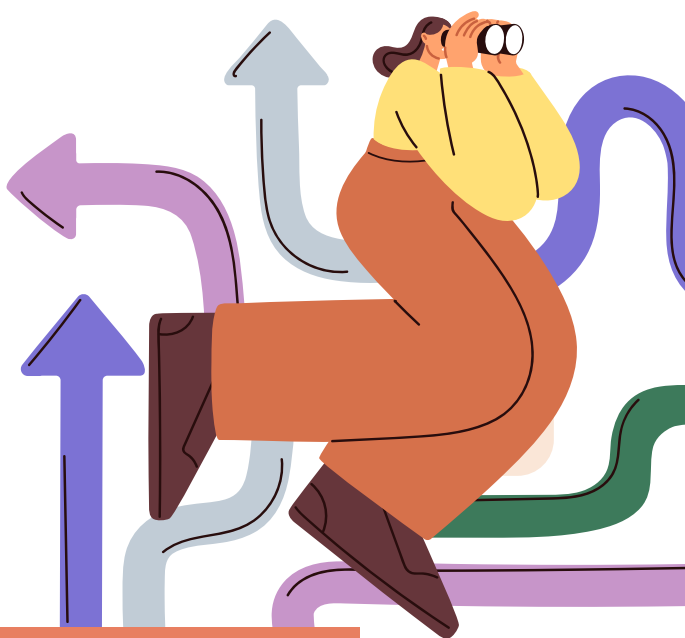


A **functional park** fulfils basic requirements by offering essential amenities, yet it lacks the pizzazz of a top-notch park. Although it meets the community's needs adequately, it does not fully promote long-term resilience & inclusivity.

Score Bracket: 8 - 15

A **compromised park** is like a cake missing its frosting—it is just not hitting the mark in crucial aspects, scraping by with the basics. It provides minimal advantages leaving visitors feeling a bit meh, indicating missed chances to establish a lively & durable environment.

Score Bracket: 0 - 7



IMPACT SCORE



1a		Albedo pathways	0 points
1b		Green seating areas	3 points
1c		Shade trees	2 points
2a		Pedestrian area	3 points
2b		Mixed area	2 points
2c		Park & ride facility	1 point
3a		Dawn-to-dusk access & fence	2 points
3b		24/7 access & call boxes	3 points
3c		Extended opening hours & CCTV	1 point
4a		Dog park	1 point
4b		Playground	3 points
4c		Swimming pond	2 points
5a		Community gardens	3 points
5b		Native plants	2 points
5c		Decorative plants	1 point



7a		Godparent program	2 points
7b		Educational area	2 points
7c		Collaboration with schools	3 points
8a		Urinals	0 points
8b		Compost toilets	2 points
8c		Smart toilets	3 points
9a		PV lighting	2 points
9b		Shaded PV areas	3 points
9c		PV tiles	1 point
10a		Rain gardens	3 points
10b		Water stations	2 points
10c		Pocket forest	3 points
11a		Regional market	3 points
11b		Community fair	2 points
11c		Heritage trail	2 points



SYNERGIES

These combinations create stronger, more effective outcomes when implemented together:

- 1c)**Shade Trees** & 10c)**Pocket Forest**: +2 for improving natural cooling & biodiversity.
- 2a)**Pedestrian Area** & 11c)**Heritage Trail**: +2 for for enhancing walkability & cultural engagement.
- 3b)**24/7 Access** & 9a)**PV Lighting**: +2 for showcasing renewable energy & improving visibility.
- 3b)**24/7 Access** & 8c)**Smart Toilets**: +2 for improved security & functionality.
- 4b)**Playground** & 7b)**Educational Area**: +2 for creating an inclusive & educational environment for all visitors.
- 4c)**Swimming Pond** & 5a)**Community Gardens**: +2 for fostering community interaction.
- 5b)**Native Plants** & 10c)**Pocket Forests**: +2 for boosting urban greening & habitat creation.
- 5a)**Community Gardens** & 7a)**Godparent Program**: +2 for fostering engagement & shared responsibility.
- 8b)**Eco-Toilets** & 10b)**Water Stations**: +2 for enhancing sustainability & visitor convenience.



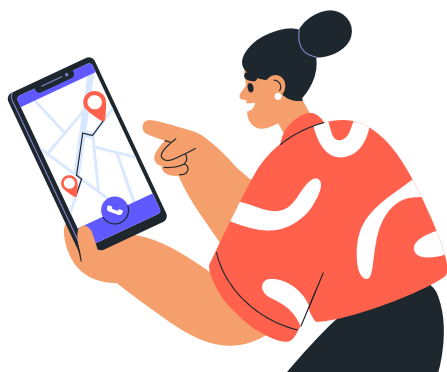


These combinations can undermine the effectiveness of each other when paired:

- 1a)**Albedo Pathways** & 2b)**Mixed Pathways**: -2 due to increased maintenance needs.
- 1c)**Shade Trees** & 5c)**Decorative Plants**: -2 due to conflicts in restoration efforts.
- 2b)**Mixed Pathways** & 9c) **PV Walkway**: the delicate PV walkway may not hold up to heavy traffic.
- 3b)**24/7 Access** & 4c)**Swimming Pond**: -2 due to increased safety risks at night.
- 8a)**Urinals** & 11a)**Regional Market**: -2 due to conflicts with accessibility & amenities.
- 4a)**Dog Park** & 7a)**Godparent Program**: -2 for conflicts between pet spaces & community-led plant care.
- 4b)**Playground** & 8a)**Urinals**: -2 due to poor alignment on park vision.
- 5c)**Decorative Plants** & 10a)**Rain Gardens**: -2 due to the conflicting park goals.
- 8c)**Smart Toilets** & 9c)**PV tiles**: -2 due to increased technical complexity & maintenance strain of the park.

JOURNEY TO CLIMATE FITNESS

You've conquered obstacles, juggled tasks & tackled hard choices to craft the destiny of the Westbahnhofpark. Whether your park ended up a bit wonky, super efficient, eco-friendly, or future-proof, each result mirrors the wild ride of urban planning reality.



As the game wraps up, ponder on the ripple effects of your choices:

- **What insights did you gain about combining different goals & needs?**
- **How did teamwork shape your park's outcome?**
- **If you could rewind time, what would you do differently?**



BRINGING THE VISION TO LIFE

Urban green spaces are the heartbeat of our neighborhoods, with every decision shaping the future we share.

Now, it's time to take the insights from the Climate Fitness Game into the real world—whether you're designing urban spaces, crafting policies, joining a community project, contributing to urban greening, or simply enjoying your local park.

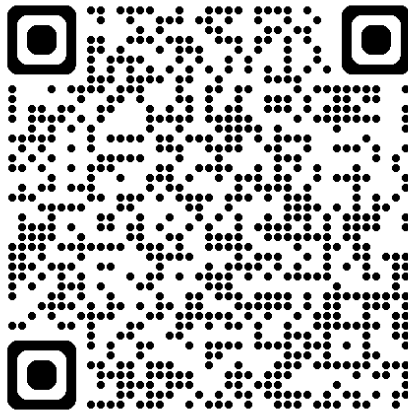
Remember, you have more power than you think to shape the future of our urban landscapes. **So, let's make every move a game-changer!**





YOUR NEXT MISSION

Share your thoughts!





CONTACT US



UAS Technikum Wien
Höchstädtplatz 6, 1200 Vienna



melanie.michel@technikum-wien.at
jasmin.helnwein@technikum-wien.at

