

# Scenario analysis for planning sustainable cities in a multistakeholder decision-making environment

*Tygron Geodesic Platform*

*Session 3*

*Hosting a session and interpreting the results*

## Today's schedule

9:00 – 9:30: Lesson on how to host a session and interpret results

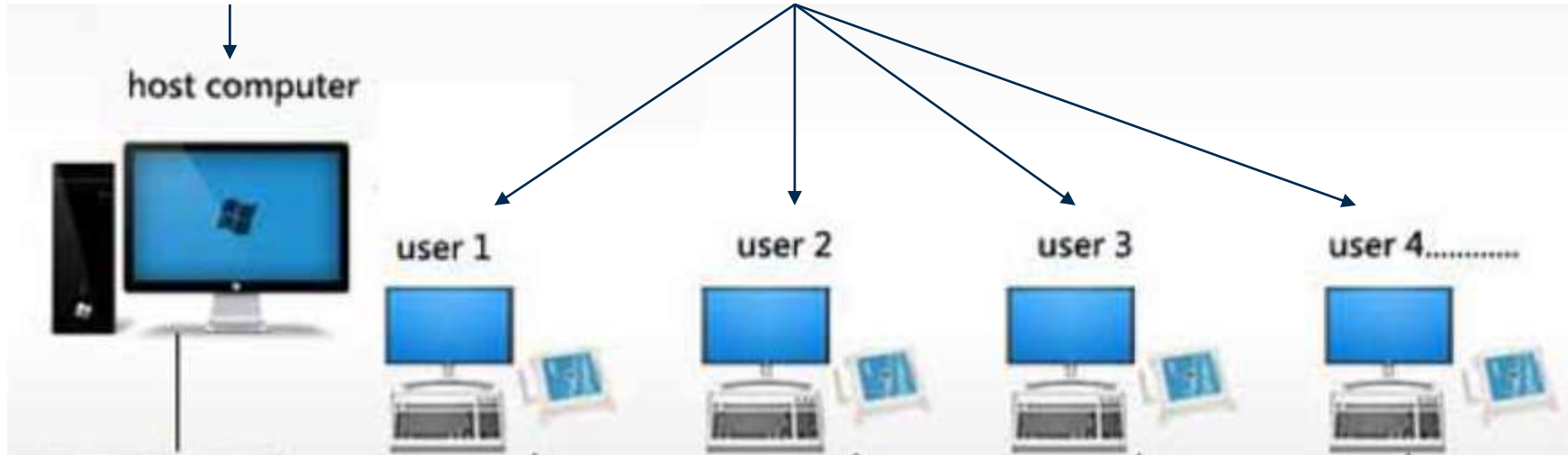
9:30 – 11:15: Play Paris game or Climate game

11:15-12:30: Finalize your set up

# How to host a session?

One team member

Other team members



Source: mega-obzor.ru



**SAME DOMAIN**

# How to host a session?

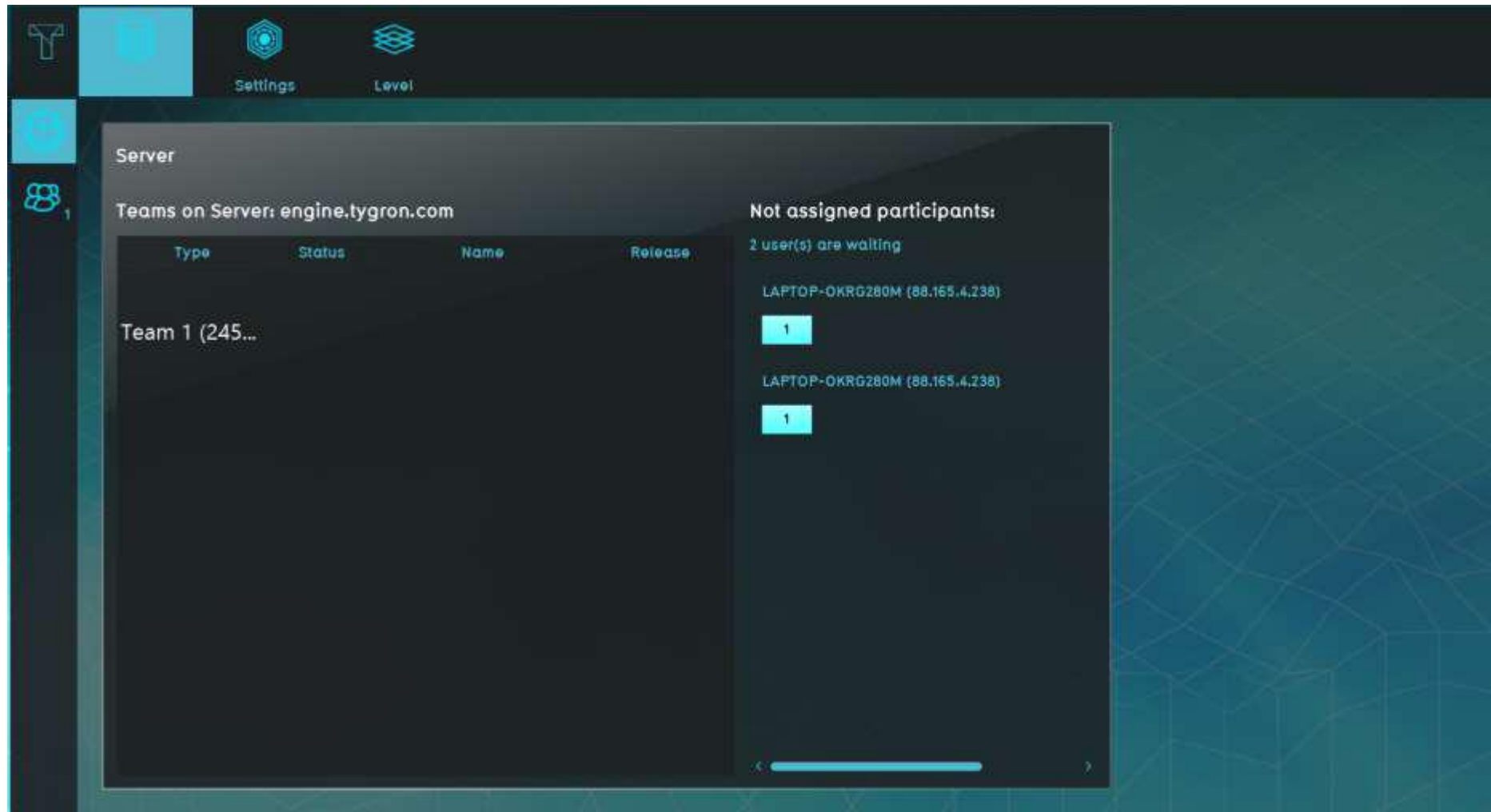
**TASK 1:** Create a multi-user session **[host computer]**

Multi-user -> Start a new session -> Click on the project you want to play  
(Projet2noémie, Climate game 5.2, Paris Team X)

**Other team members LOGIN on Tygron platform**



# How to host a session?



Window of the  
host computer

# How to host a session?

## **TASK 2: JOIN THE SESSION** [host computer and/or other team members]

2 ways to join the game:

- 1) Through the host computer
- 2) Through other team members computers

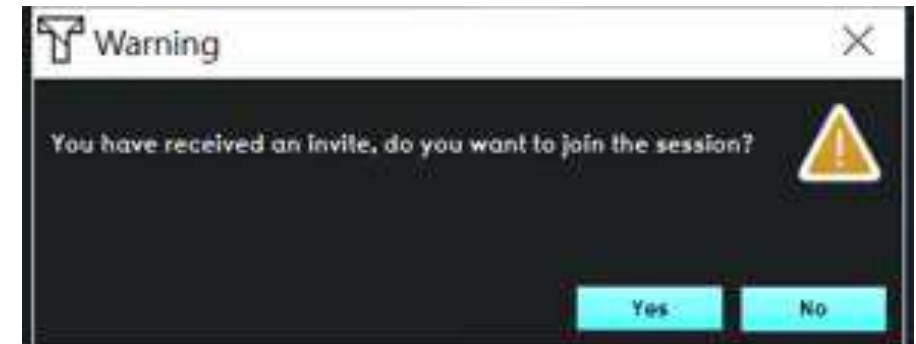
# How to host a session?

## 1) Through the host computer

Assign the computers that appear on the left panel (click on the 1 button)  
The other team members will receive an invite



Host computer assignment

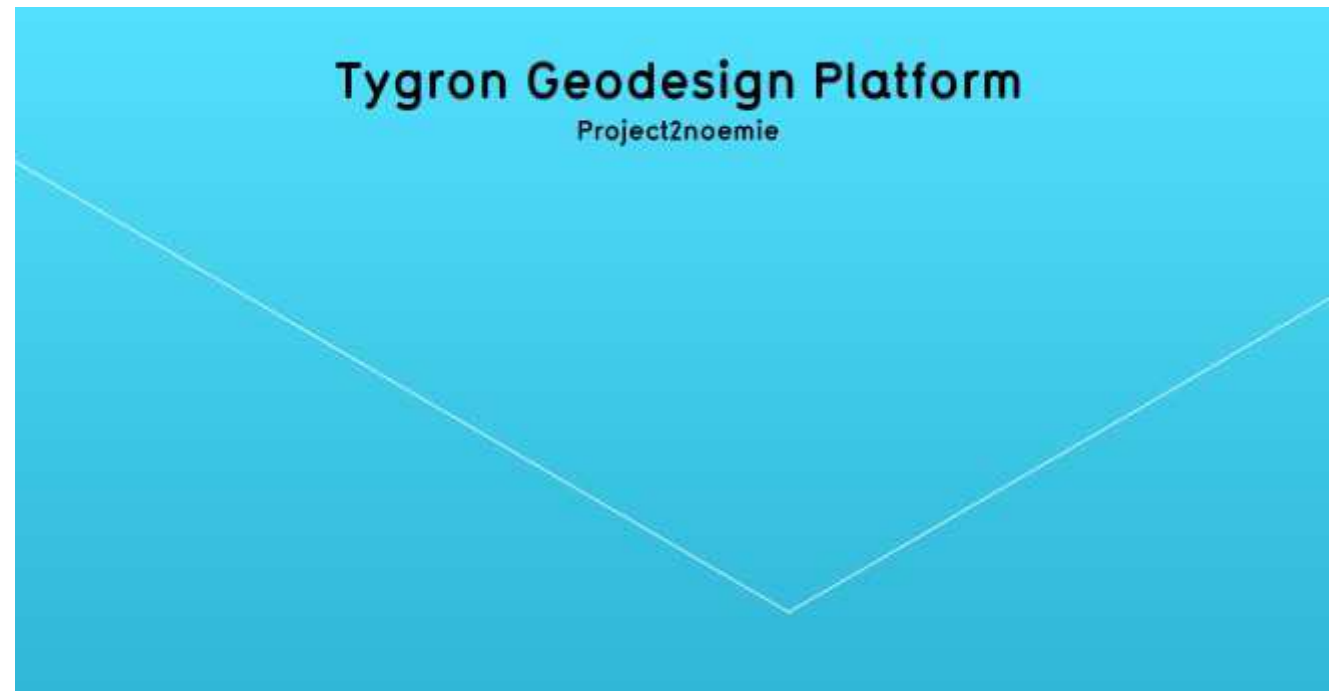


Other participants windows on Tygron platform

# How to host a session?

## 2) Through the join menu of other computers

Join -> Click on the multiuser session

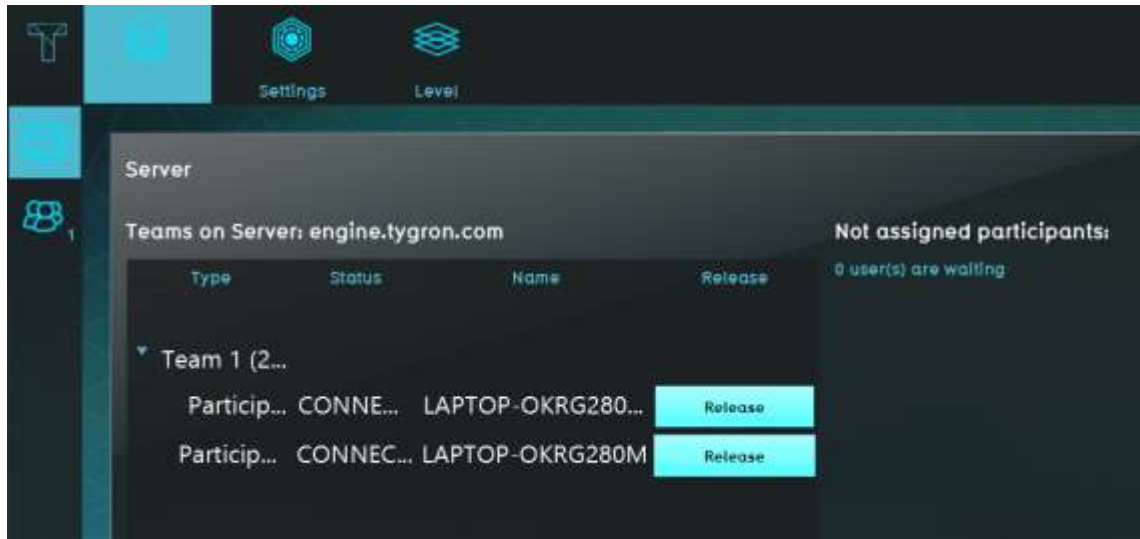
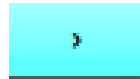




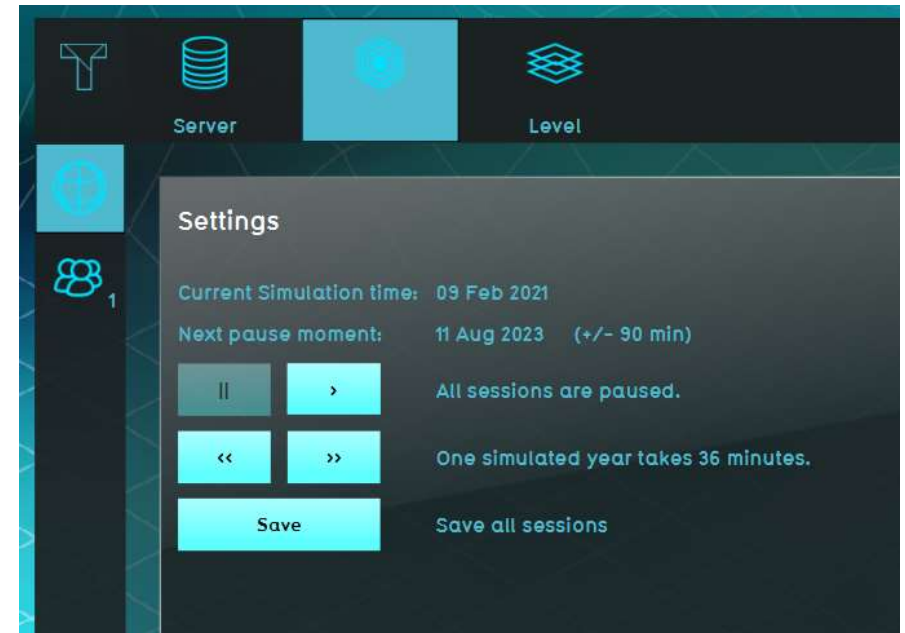
# How to host a session?

## TASK 3: START THE SESSION [host computer]

Settings -> Press play



All participants have been assigned to the session



Start the game by pressing PLAY button  
(All sessions are paused -> all sessions are running)

# How to host a session?

## TASK 4: PLAY THE GAME (All players)

Click on Continue



Usually, the host computer controls the game and others play it.

But, the host computer can also play the game by using two Tygron windows in the same time (one window to host the game and after another one window to join the game).

# How to host a session?

## TASK 4: PLAY THE GAME (All players)

Click on Continue (after reading the explanation) and give a name to the session (**Session1-Team X**)

### Project2noemie



### Explanation

The most famous avenue of Paris is not only well-known for being a touristic attraction but also for being the most congested and ungreen area of the capital. The recent crises such as the yellow vests protests and covid-19 have left the area deserted while losing its charm. The Champs-Élysées committee, comprising the area's shopkeepers, has raised the alarm by pointing at the lack of attractiveness and livability. Residents agree that the area is mostly dedicated to cars more than pedestrians and lacks open green spaces. Both groups concerns have resonated with the Paris municipality that has decided to act through a new redevelopment plan. The goal is to give space back to pedestrians, widen open public spaces, greening streets and buildings so that air pollution can be minimized and quality of life maximized.

Continue >>

# How to host a session?

## TASK 4: PLAY THE GAME (All players)

Choose your stakeholder

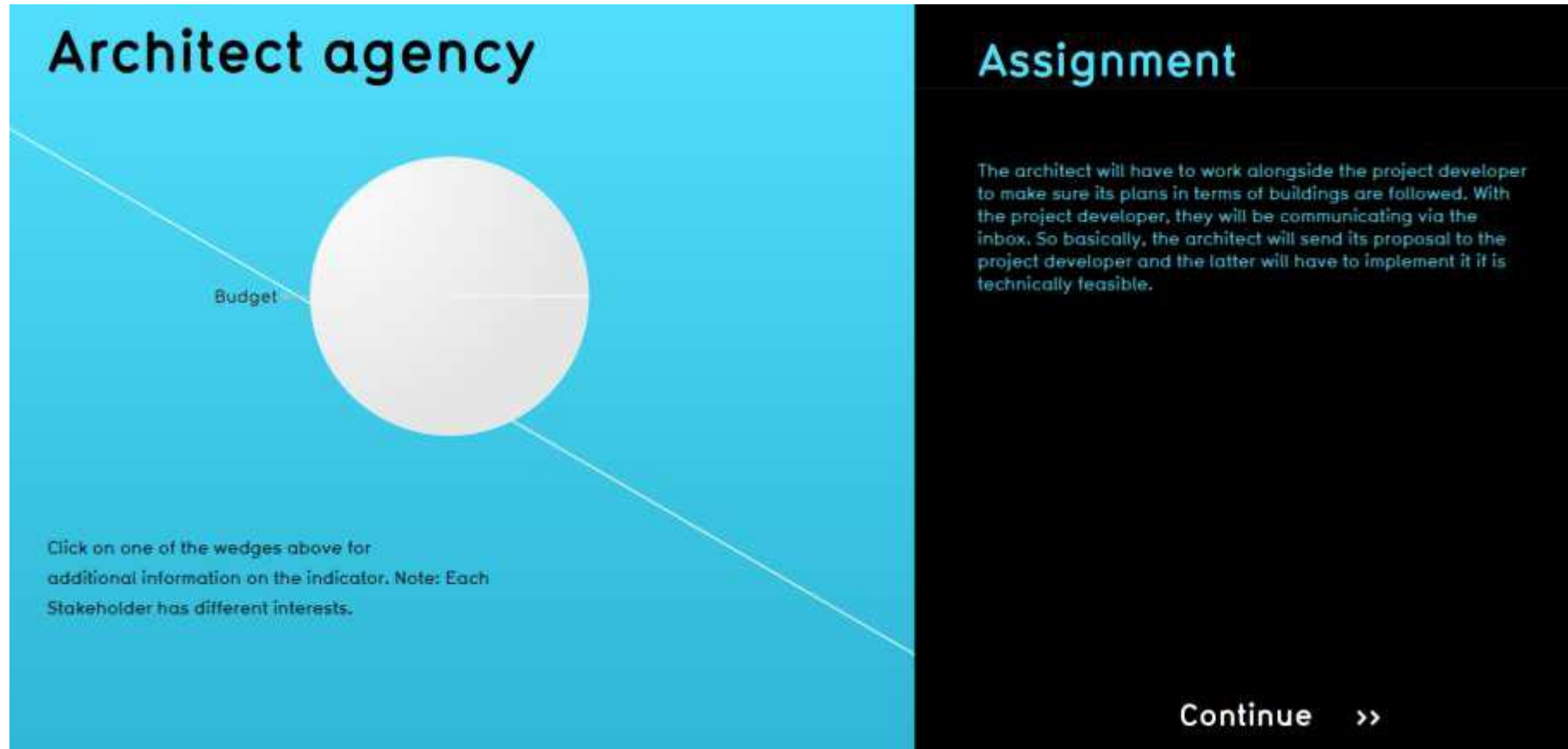
Stakeholders	Explanation
Municipality	<p>The architect plans the urban regeneration of the area, he works closely with the project developer to decide where to build new buildings and which types of buildings.</p>
<b>Architect agency</b>	
Shopkeepers association	
Residents association	
Project developer	

Choose Stakeholder >>

# How to host a session?

## TASK 4: PLAY THE GAME (All players)

Be aware of your assignment and click on Continue



The screenshot displays a game interface with two main panels. The left panel, titled 'Architect agency', features a large white circle with a horizontal line through its center. A label 'Budget' is positioned to the left of the circle, with a thin white line connecting it to the left edge of the circle. Below the circle, there is a text instruction: 'Click on one of the wedges above for additional information on the indicator. Note: Each Stakeholder has different interests.' The right panel, titled 'Assignment', contains a paragraph of text: 'The architect will have to work alongside the project developer to make sure its plans in terms of buildings are followed. With the project developer, they will be communicating via the inbox. So basically, the architect will send its proposal to the project developer and the latter will have to implement it if it is technically feasible.' At the bottom right of the right panel, there is a 'Continue >>' button.

### Architect agency

Budget

Click on one of the wedges above for additional information on the indicator. Note: Each Stakeholder has different interests.

### Assignment

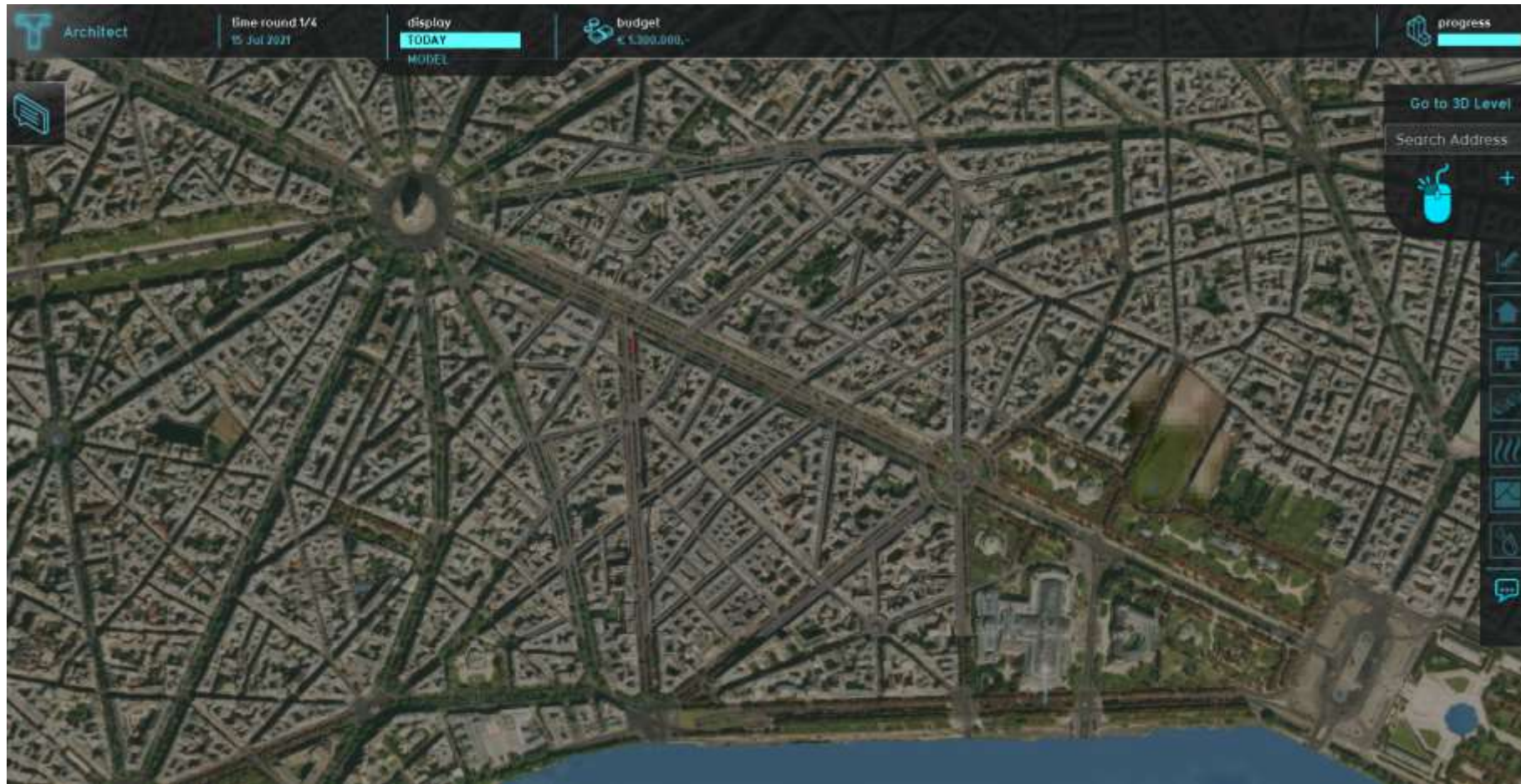
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Continue >>



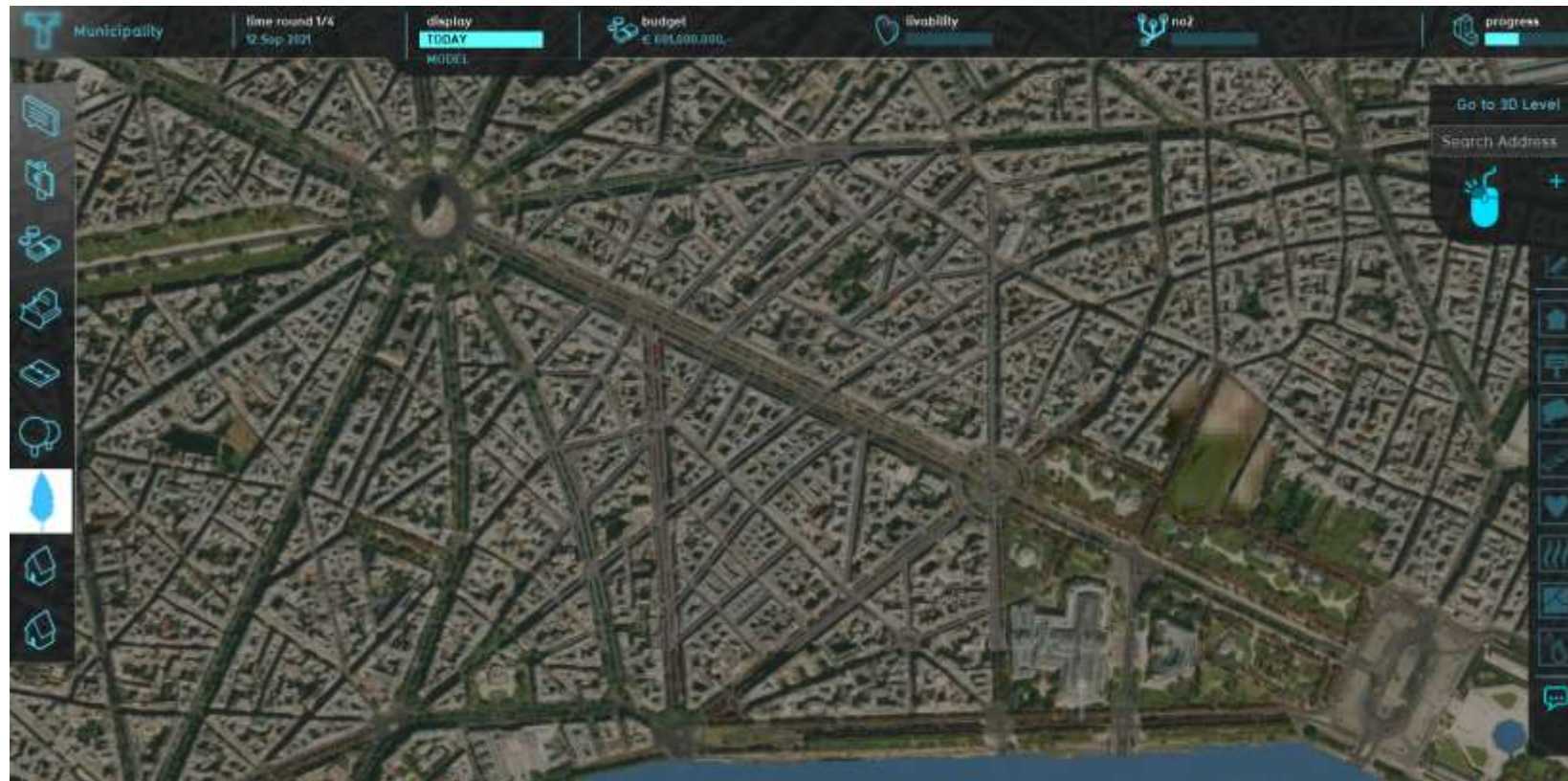
# How to host a session?

## TASK 4: PLAY THE GAME (All players)



Through the icon in the inbox, the architect can start sending messages to the project developer.

# Understand the game



Each stakeholder has to take actions that can increase their **general score**

**progress** **es=indicators** ).

**livability**

Here, the municipality has 3 sub-scores (budget, livability and N02), the goal is to keep a positive budget, increase the livability score and keep N02 score as low as possible.

The general score is already high because the budget is very high and N02 indicator low. Therefore, the municipality will have to pay attention to its livability and budget sub-scores.

Click on the sub-scores and general score icons to have an idea on how to achieve your score.



# Understand the game



Example: the municipality wants to replace some roads by bicycle lanes

1) Demolish option

Select the road you want to destroy (you can see the cost, the surface) and click on demolish

You can see the impact of such action on your sub-scores: here it only increases by 0,1% your livability indicator, so it is great even if it is a small increase.

2) Confirm your action

3) Close the window and click on the arrows



# The host computer window

Various controls of the game:

- 1) See each stakeholder score and export the results
- 2) See each stakeholder window in real time
- 3) Send a personal message to one stakeholder (“Hurry up!”, “Pay attention to your budget”, etc)
- 4) Send a subsidy

# The host computer window



The screenshot displays a software interface with a dark theme. At the top, there is a navigation bar with icons for Stakeholder, Beamer, Message, and Subsidy. Below this, the 'Team Status' window is open, showing the following information:

- Team ID: Session-15-02
- Team Score: 78 %
- Connected Stakeholders:

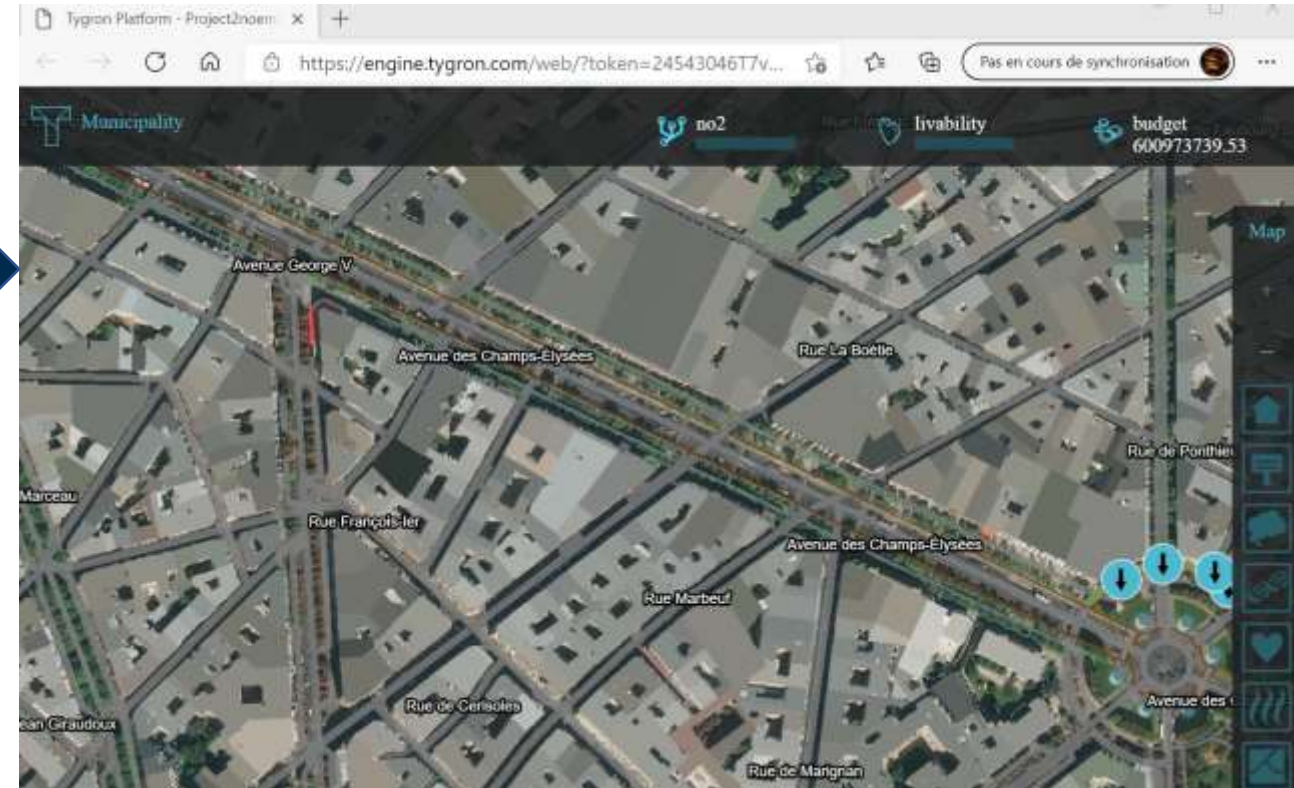
Computer name	Stakeholder	Score	Status	Release
LAPTOP-OKRG280M	Architect agency	100 %	Connected	Release
LAPTOP-OKRG280M	Municipality	39 %	Connected	Release
-	Project developer	50 %	No Client	
-	Residents association	100 %	No Client	
-	Shopkeepers association	100 %	No Client	

An 'Export Action History' button is located in the top right corner of the 'Team Status' window.

**See each stakeholder score**

Import the results by selecting "Export Action History" (excel file)

# The host computer window



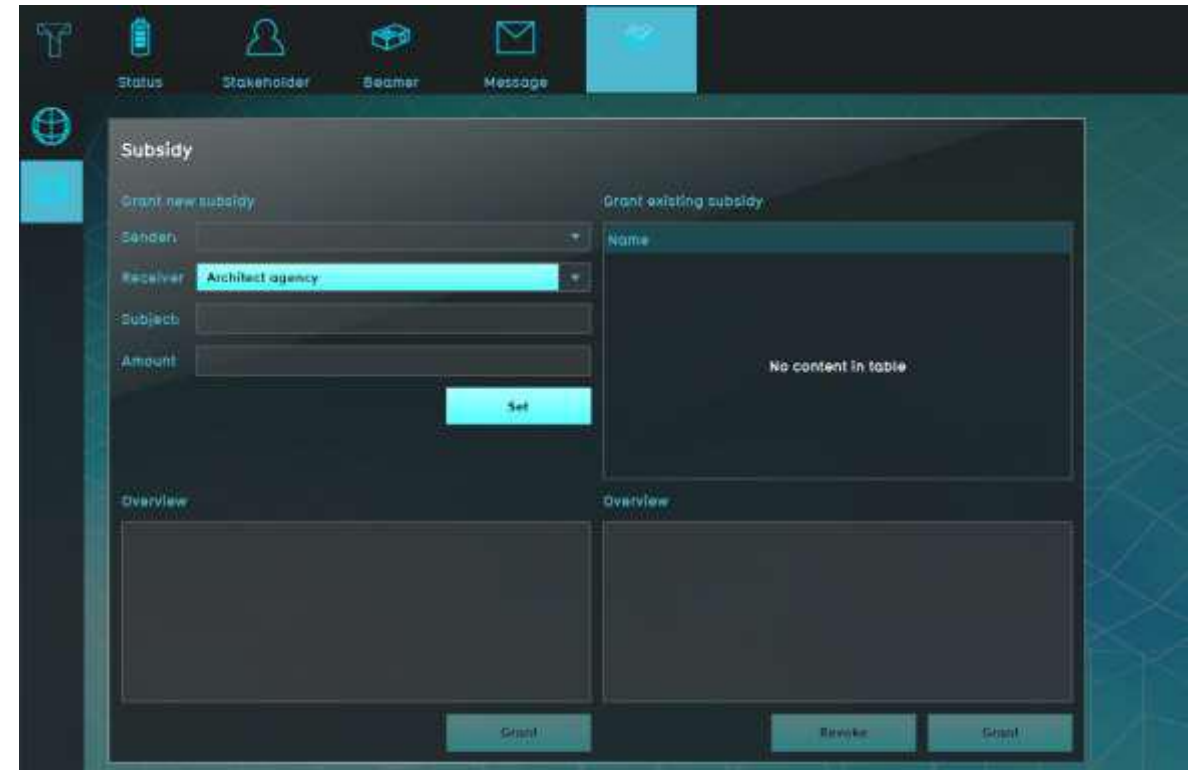
**See each stakeholder window in real time**

Select the stakeholder and click on "Show frontpage in browser"

## The host computer window



Send a personal message to a stakeholder



Send a subsidy

## About Paris game and Climate game

PARIS GAME	CLIMATE GAME
5 stakeholders: Municipality, Project developer, Architect, Shopkeepers association, Residents association	4 stakeholders: Waterboard, Uni Real Estate, Social Student Housing, Municipality
Redevelop Champs-Élysées area into a liveable, less polluted, pedestrian and bicycle friendly area for residents, shopkeepers and tourists	Redevelop Delft campus area into a sustainable, livable, green, climate-resilient space for students and inhabitants
Ownership: Municipality (streets and some buildings), Shopkeepers association (Champs-Élysées avenue and other spots), Residents association (all the rest)	Ownership: Uni Real estate, Social Student Housing, Municipality => Each has a specific area that you will have to find