# THE 15-MINUTE NEIGHBOURHOOD GAME 

DEVELOPING A SERIOUS GAME FOR THE 15MINUTE NEIGHBOURHOOD TRANSITION: LESSONS LEARNED FROM AN EXPERT WORKSHOP

KELT GARRITSEN (UNIVERSITY OF TWENTE)

## GOAL \& CONTENT

- Objective of this work

1. Develop a serious game in the context of the 15-minute city
2. Collect experts' opinion on the game's design \& usefulness

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## WHY A CO-DESIGN

## GAME?

- Co-creation of the 15 minute city - playful way of starting discussion
- Unique barriers \& needs of different population groups in terms of mobility \& services
- Collaboration in creating urban space
- Making complex topics more tangible



## WHY A CO-DESIGN

## GAME? (2)

- Co-creation of the $15-$ minute city - playful way of starting discussion
- Unique barriers \& needs of different population groups in terms of mobility \& services
- Collaboration in creating urban space
- Making complex topics more tangible

- Previous experiences


## SETUP OF THE GAME

## THE 15-MINUTE NEAGHBOURHOOD GAME

'To design a neighbourhood that fulfils and satisfies the goals and needs of the player's character'

## THE 15-MINUTE <br> NETHEGBOURHOOD GAME

- No real-life location
- Analogue game (e.g., Tellioglu et al., 2023)
- Scarcity of space 『 trade-off


The gameboard with the other game elements, such as the design elements, character cards \& satisfaction cards (Garritsen, 2023)
Designs are based on the designs of the SmartHubs game materials (Tellioglu, Mikusch \& Kadic, 2023)

## THE 15-MINUTE <br> NEIGHBOURHOOD GAME

- Based on the six urban functions
- Different sizes 『 trade-off


- Based on "contribution" to 15-min city
- E.g. higher points for active transport etc.



## THE 15-MINUTE

## N:THETBOURHOOD GAME



- Personal goal
- Satisfaction with neighbourhood afterwards



## PLAYING THE GAME

## WORKSHOP

@ ECIU CONFERENCE, BARCELONA

- 32 participants $\mathbb{} 4$ teams
- Scientific background - different expertise
- Playing with persona's



## NEIGHBOURHOOD DESIGNS <br> SOME INTERESTING RESULTS

- Placing healthcare elements together
- Creating "mobility hubs"
- Only local public transit stops
- "Battle for space" is won by smaller shops



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- Experts at play?
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## NEIGHBOURHOOD DESIGNS (2) POPULARITY OF NEIGHBOURHOOD SERVICES

- Most popular services:
- Local bus stop
- Café
- Restaurant
- Dentist
- Small healthcare centre
- Least popular services:
- Car parking
- Petrol station
- Large PT stop
- Local supermarket



## EVALUATING THE GAME

## EVALUATION OF THE GAME E P PLAYERS

- Overall high satisfaction
- Except for the "car lover" personas

Usefulness of the game to identify needs of different population groups

- $72 \%$ think it is useful
- Overall, a positive, cooperative experience



## EVALUATION OF THE GAME E P PLAYERS

- Overall high satisfaction
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How do you assess the [...] between players at your table?


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## EVALUATION OF 

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- Except for the "car lover" personas
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## EVALUATION OF THE GAME <br> 2. DIDTHE GAME FULFILL ITS GOAL?

- High engagement \& consensus-making
- Planners not planning for themselves
- Balance of complexity vs. playability
- "Fit-for-all"
- Helping citizens envision their goals



## EVALUATION OF Th. LE Cinainise futue work

- High engagement \& consensus-making
- Balance of complexity vs. playability
- "Fit-for-all"
- Playing \& testing with citizens
- More on needs, less on alliances



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