

SURE!
TAMPERE.

TAMPERE.
FINLAND

TOWARDS SUSTAINABLE URBAN SECURITY

Spectacles, events and safety

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Current Trends in Security and Safety Management

16.11.2020



CITY OF TAMPERE



EUROPEAN UNION
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ACTIONS



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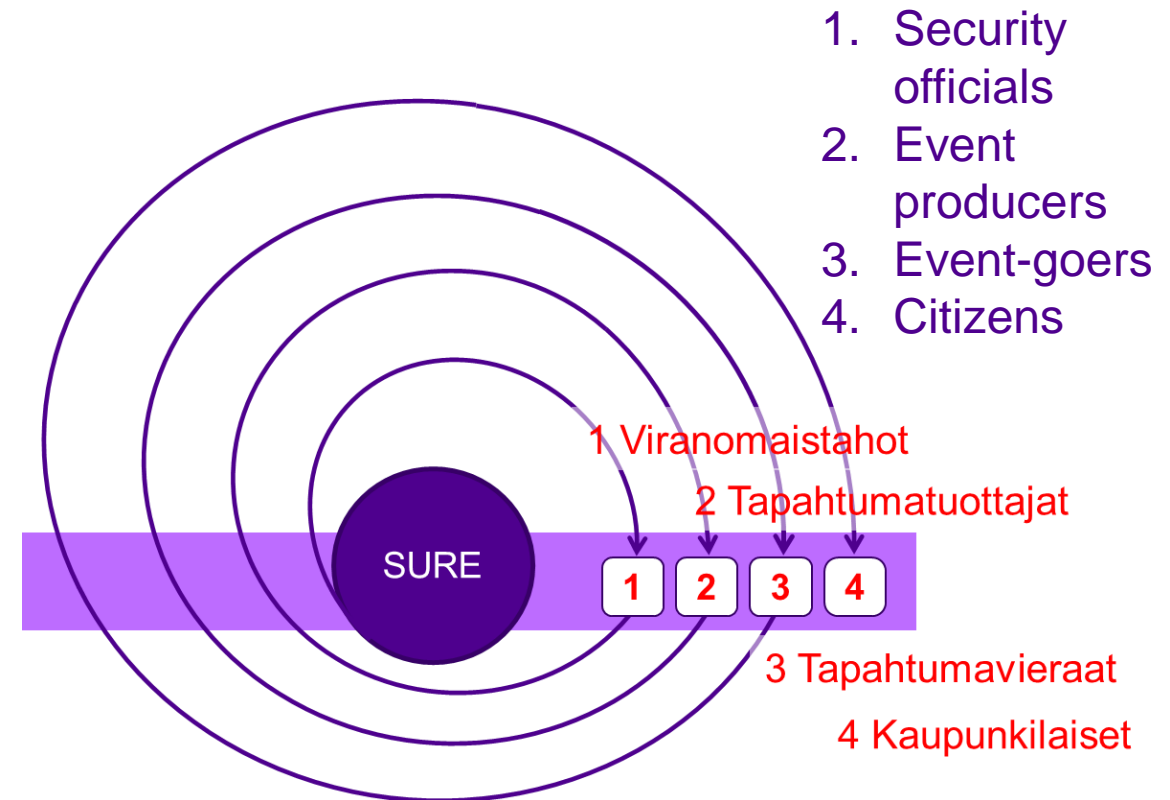
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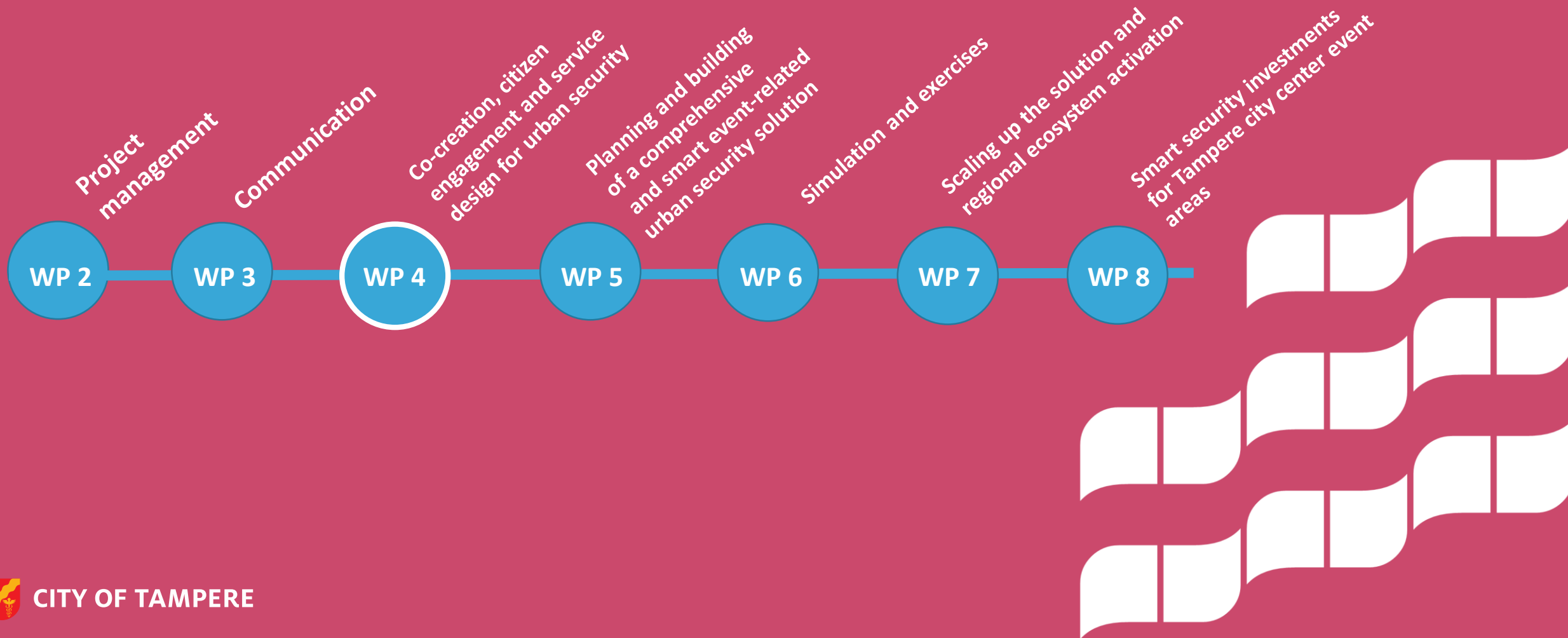
NOKIA

WP4 • Co-design, citizen participation and urban security service design

- **Tampere University (TAU):** Supporting the security planning of key urban and event entities
- Scenarios and use cases in urban security
- **Tampere University of Applied Sciences (TAMK):** Service concepts, service design and co-design processes with event customers to support both event security and customer security experience



SURE



Tampere smart city ambitions – making a safe and secure event destination as a combination of human and technology factors

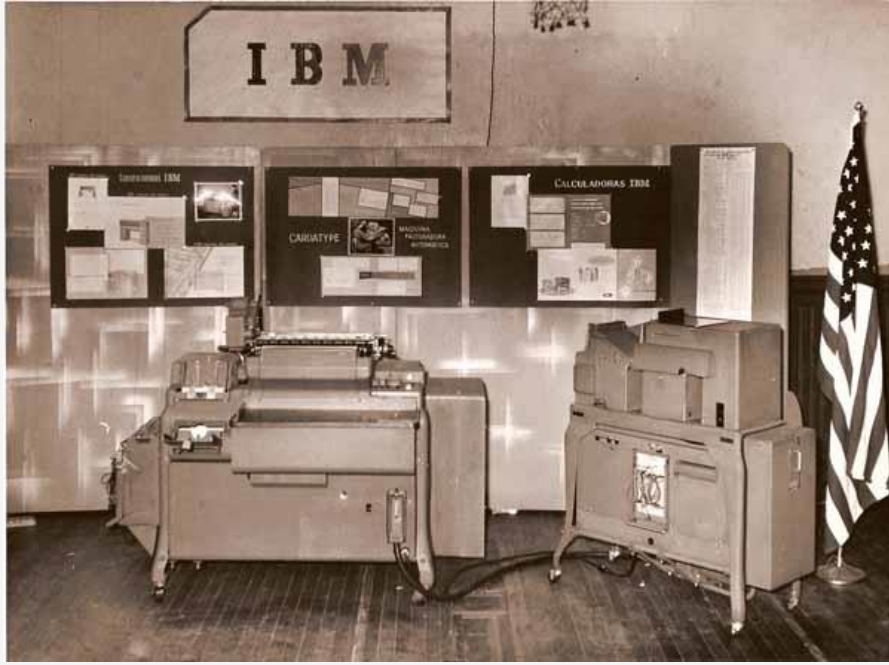
- **Human resource-focused smart cities tend to be...**
 - urban areas with large share of college degree holders in adult population,
 - often small or mid-sized urban areas with a flagship university, and
 - with experience of substantial growth in their near past.
- **They are also places, where educated people...**
 - move for high (perceived) quality of life [→ reputation, image]
 - stay after having received their college degree [→ anchoring networks]

BUT FIRST:

**A brief excursion to the world of
transforming cities, technologies,
and safety**



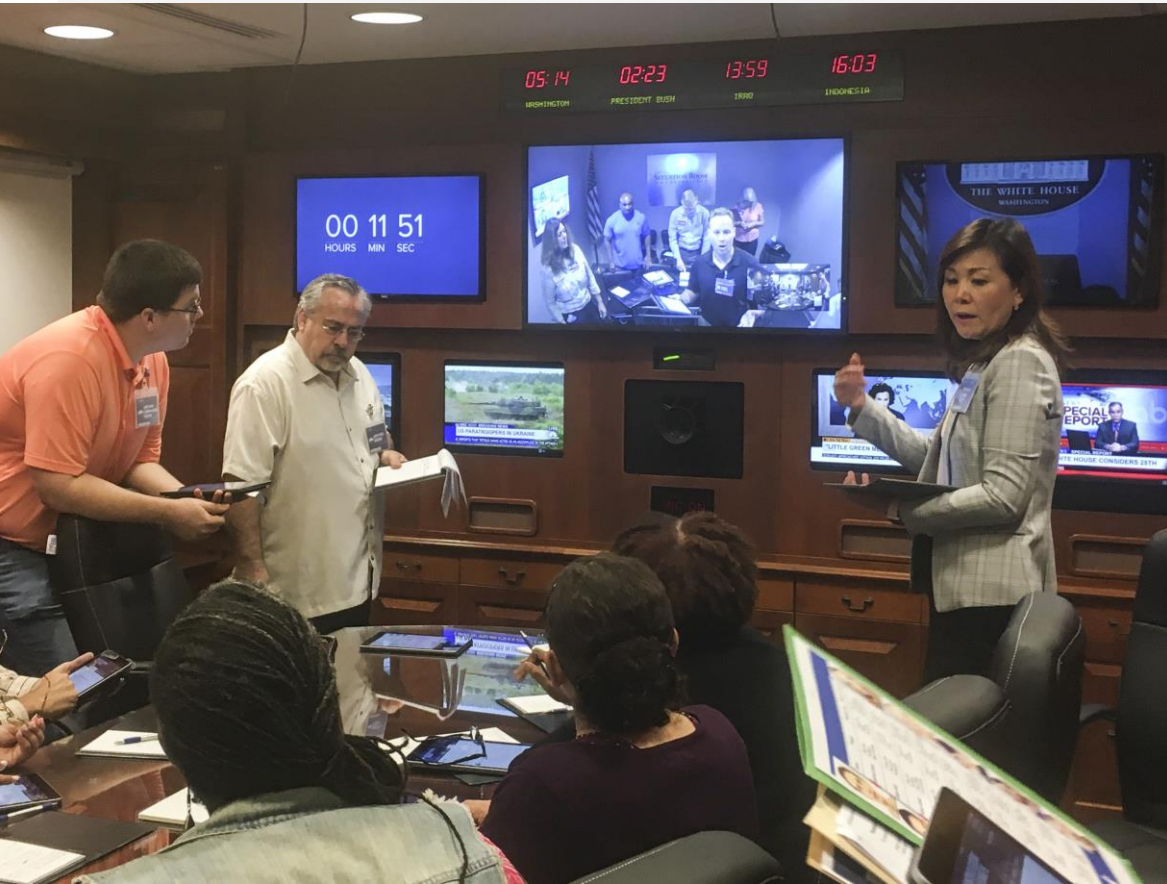
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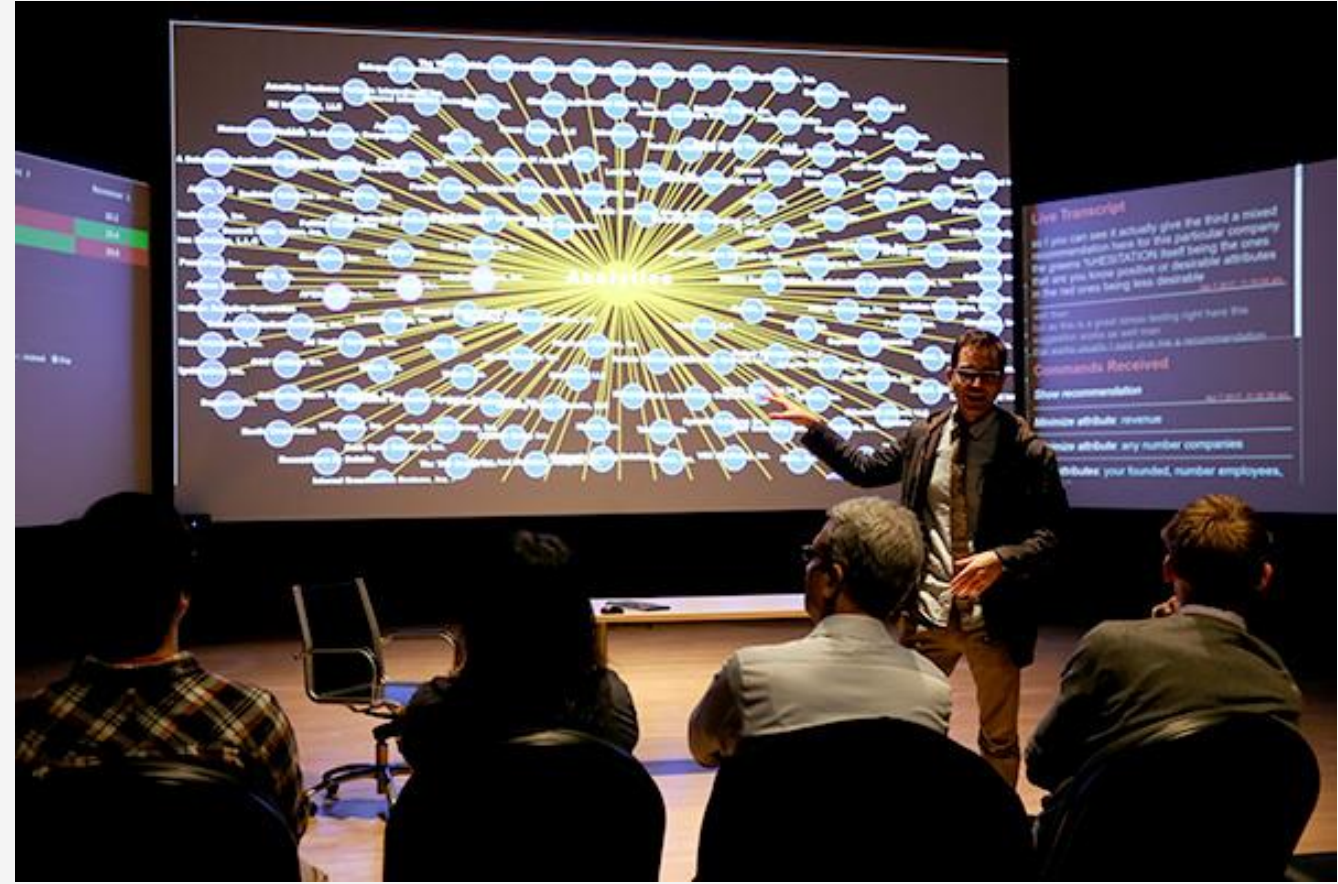
<https://dprbcn.wordpress.com/2010/08/27/project-cybersyn-2/>



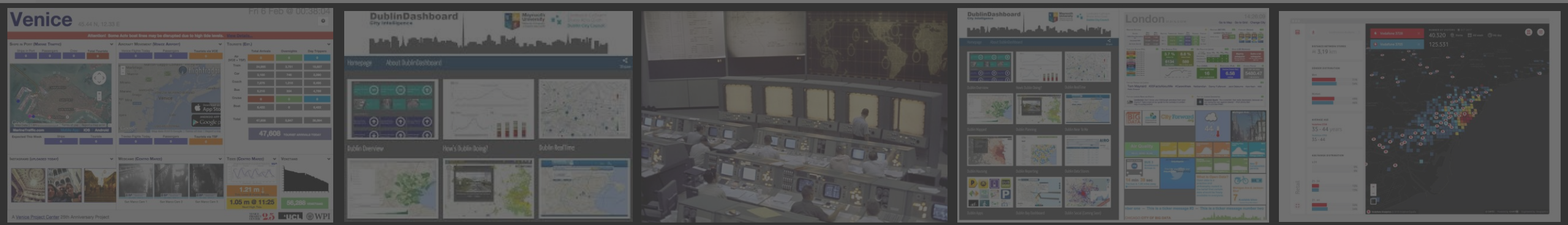
<http://www.reprogramacioncelular.osguido.net/16-datos-y-curiosidades-de-la-historia-de-la-ciencia-chilena-1-parte/>



<https://www.dcmamilitary.com>



<https://cis.l.rpi.edu/research/projects/situation-room-infrastructure>





<https://www.latimes.com/sports/sportsnow/la-sp-rio-olympics-political-economic-chaos-20160415-story.html>



www.kaspersky.com



<https://www.wsj.com/articles/police-raid-rio-de-janeiros-favelas-in-operation-ahead-of-olympics-1470251944>

Rio de Janeiro and the Threats of Violence, Poverty, and Drugs. September 10, 2017 by McCormack Speaks





Where do we count on surveillance technology and where on humans?

- Why should we do so and do places matter?



<https://theculturetrip.com/south-america/brazil/articles/how-to-attend-a-maracana-football-match/>



<https://www.shutterstock.com/video/clip-1042986148-rio-de-janeirobrazil-aerial-video-favelas-janeiro>

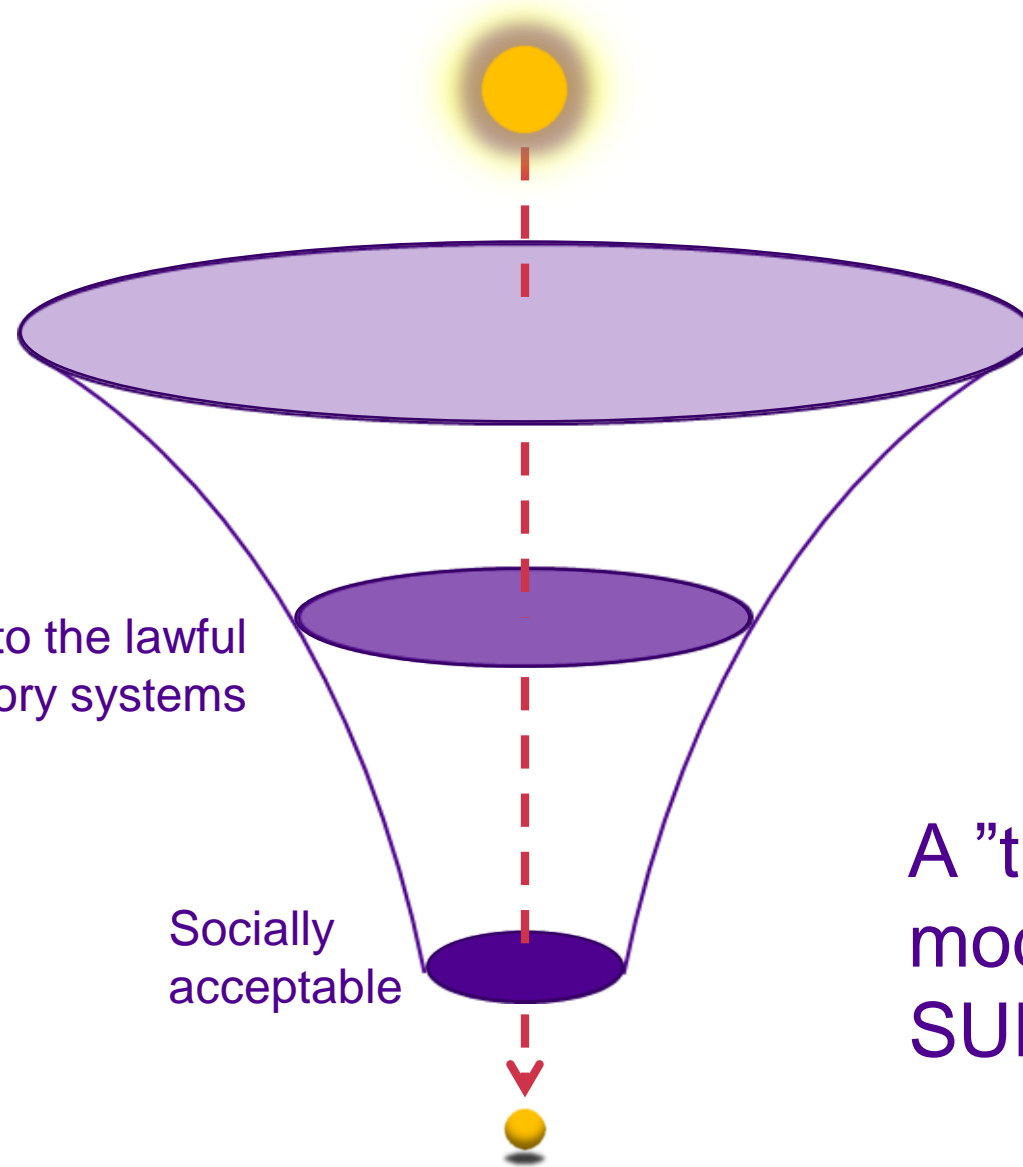
Requirements set to a security-promoting system

It has to be ...

Feasible in technical
and financial terms

Pertinent to the lawful
regulatory systems

Socially
acceptable



A "three layered filters
model" comprising the
SURE approach

Events, security and cities

- Siloed urban security?

- Lacinak & Ristvej (2017): safety a persistently missing element in defining a smart city
 - Safer City (1996), UN-Habitat Programme: three stages
 1. Crime prevention (institutional and social violence, physical environments)
 2. Land ownership and protection against evictions, lawless action in exceptional conditions (e.g. environmental catastrophes)
 3. Planning, leadership and governance as integrated and intertwined factors



<https://sadcnews.org/2019/08/05/demands-from-zimbabwe-war-veterans/>

How to define a secure city?

- Linkages to the dimensions of sustainability

A secure city...

- emphasises technological and spatial elements and citizen involvement by **integrating urban processes with security impacts**
- mitigates the threat of crime and terrorism, **provides urban dwellers with** healthy living environments **and** accessible health services
- reduces reaction time **and** optimises the response to **emerging or impending emergencies.**

Lacinák, M. & Ristvej, J. (op. cit.), ENTaiL4LEA Research network



https://www.vantaa.fi/turvallisuus/turvallinen_vantaa



valtioneuvosto.fi



yle.fi



<https://www.hel.fi/uutiset/fi/pelastuslaitos/helsinki-on-turvallinen-kaupunki>

Events and spatial justice

- Events and event arenas threaten to become spaces of social injustice
 - *places that compete of global events may become indicators/symbols of global injustice*
- Accessibility of urban spaces with different vehicles and modes of mobility is turning into the stage of social conflict
 - *e.g.: protests against biking lanes and even the tree lines to protect them in Downtown Philadelphia*
 - they are seen to promote gentrification and, thus, social injustice in poor neighbourhoods, typically populated by residents of colour



Kuva: lafilm.edu



Kuva: www.greenbiz.com



Kuva: latimes.com

Athmosphere and security in a seamless association

- Make the event itself a spectacle, not the arrangements to secure it:
Peking 2008
- Build the necessary understanding of the event's spatial context:
Love Parade, Dortmund 2010
- But remember: living urban space that is open for different uses and user groups is a significant factor in enhancing urban security



CASE: "Wasteland's New Life"

Särkänniemi Event Beach, prone to changing weather conditions, is located on a narrow strip of land between the Lakeshore Route (National HW12) and Lake Näsijärvi.

The venue is poorly known to the locals and the routes leading to it are not particularly legible.

No prior user experience exists of the location as an event area – Nor as an object area of potential emergency operations.

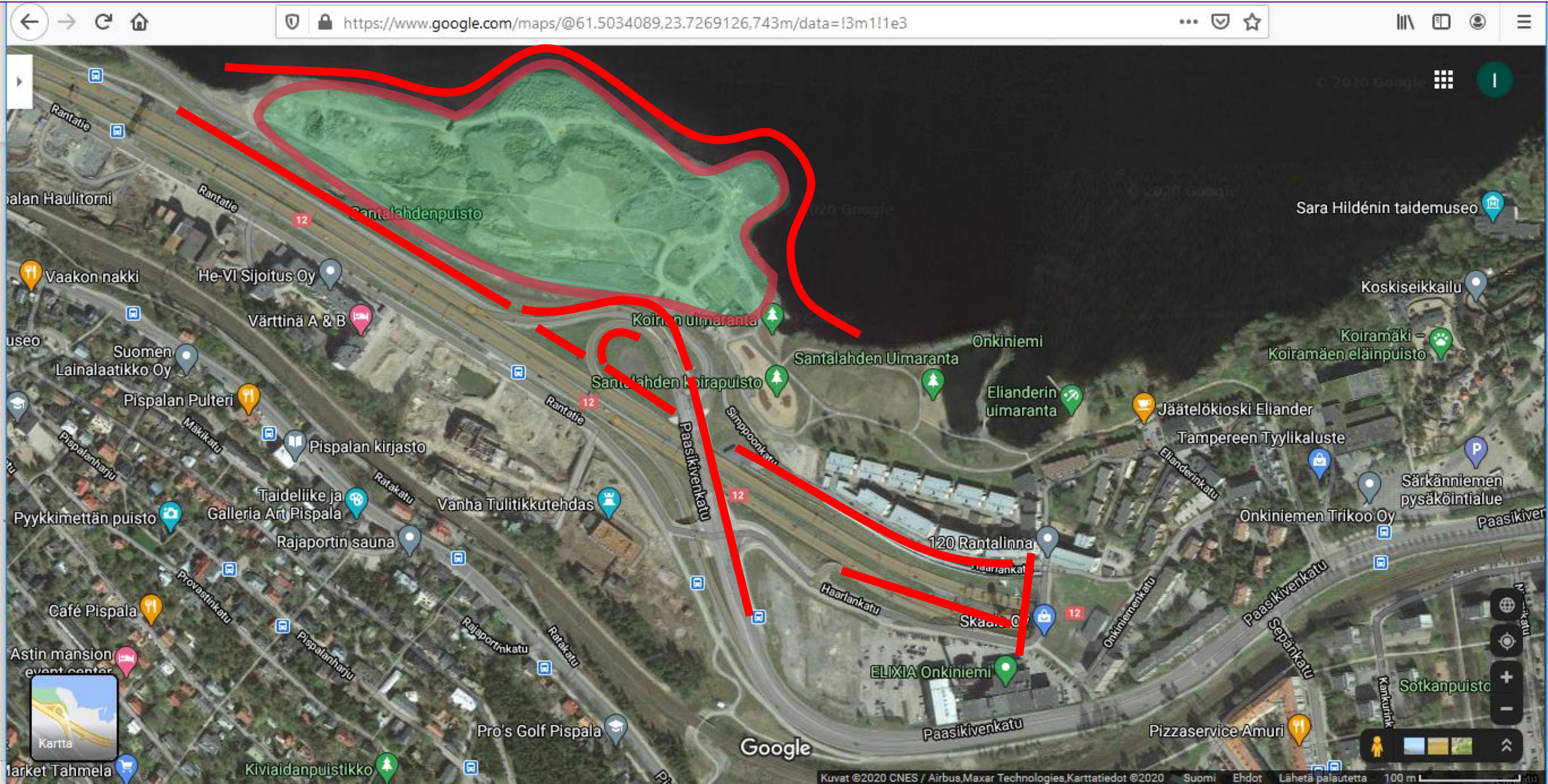


<https://www.visittampere.fi>



<https://www.aamulehti.fi>

Scenario: Park concert ⇒ storm / flash flood ⇒ panic evacuation / stampede



Questions

- How to manage highway traffic security equipment for creating better awareness of what may happen in the Event Beach area in case/ahead of any unfortunate emergency
 - Thunderstorm and flash flood
 - Electricity failure in the area's separate power grid
 - Ensuing panic evacuation towards the highway (infra) hardscapes
- How to surpass/overcome the silos of traffic, police, rescue etc. agencies while determining how to use traffic camera data flow
 - Redirecting cameras from their main task (monitoring traffic flow): what needs to be done to enable this – a question of governance
 - Using the data for guiding the ground operations, displays and other means for informing/controlling the event-goers' movements
- Cases like these require planning based on scenarios we have made

AAMULEHTI

30 Jan 2018

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<https://www.aamulehti.fi/uutiset/art-2000007443965.html>





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URBAN & EVENT SECURITY IN TAMPERE



SURE co-creation process



Strategic & tactical workshops



Security scenarios



Urban spaces & event areas



Roundtable results



Picture: Laura Vanzo / Visit Tampere

1. STRATEGIC WORKSHOPS for security & safety officials and actors (April 2020)

Organizations involved:

- Tampereen kaupunki
- Pirkanmaan pelastuslaitos
- Sisä-Suomen poliisilaitos
- Pirkanmaan sairaanhoitopiiri
- Pirkanmaan ELY-keskus
- Suomen Punainen Risti
- Turvallisuus- ja kemikaalivirasto Tukes
- Suomen Itämeri-instituutti
- Business Tampere
- Insta Oy

➤ 20 participants

→ **Local authorities,
law enforcement
agencies and first
responders,
technology providers
etc.**

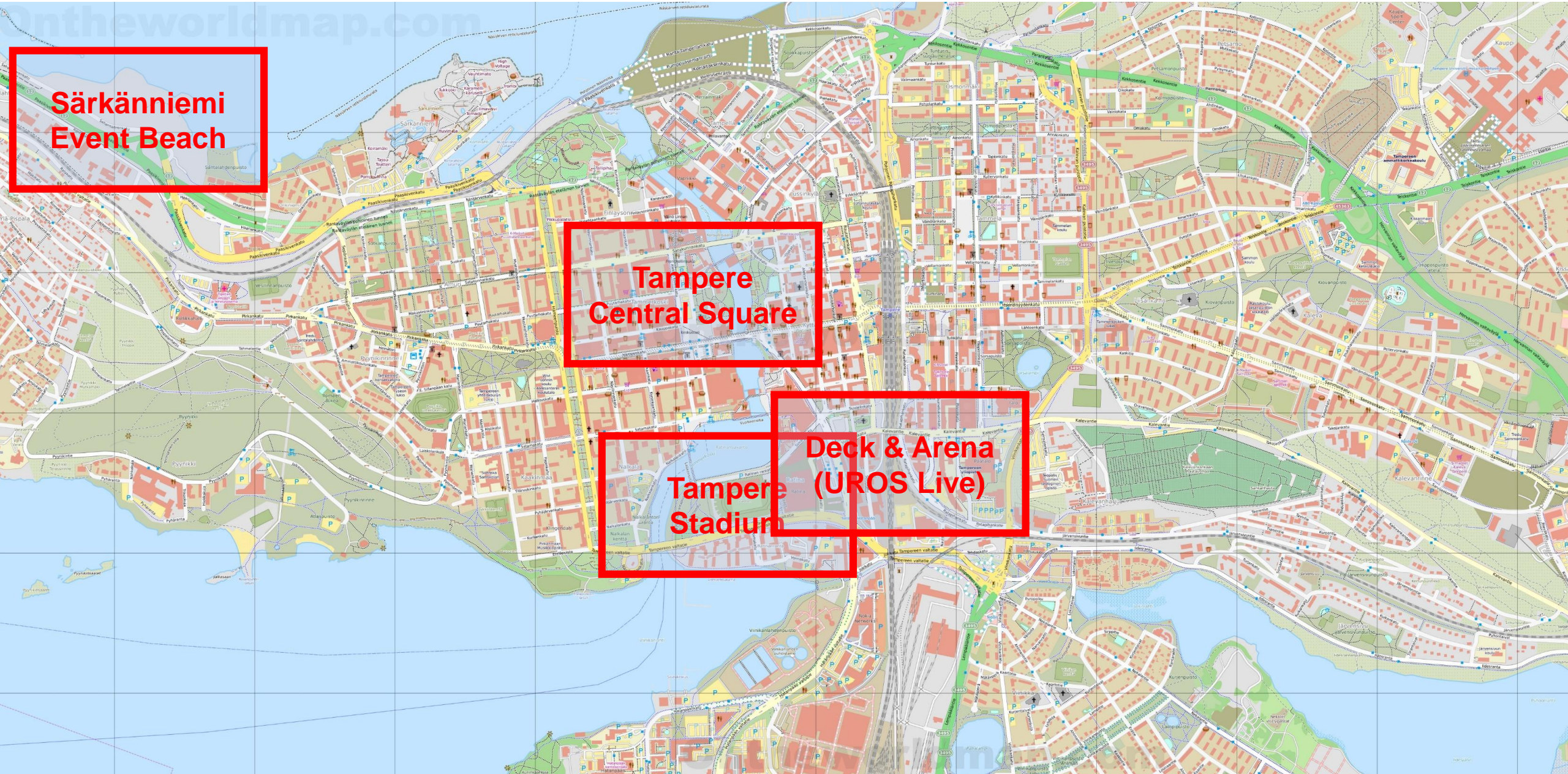
2. TACTICAL/PLACE-FOCUSED WORKSHOPS for event actors (June 2020)

Organizations involved:

- Tampereen kaupunki
- Tampereen tilapalvelut
- Tampereen ammattikorkeakoulu
- Tampereen seurakuntayhtymä
- Tampereen Teatteri
- Pirfest ry
- Suomen Itämeri-instituutti
- Fullsteam Agency Oy
- Events Tampere
- AiCan Oy
- Sponda Oyj (Ratinan kauppakeskus)
- Arkkitehdit MY
- Pirkanmaan Kaarikoirat Ry
- Insta Oy

➤ 27 participants

→ **Tampere Theater,
Tampere Evangelical
Church, real-estate
and festival actors,
event agencies, local
skateboarding
community etc.**



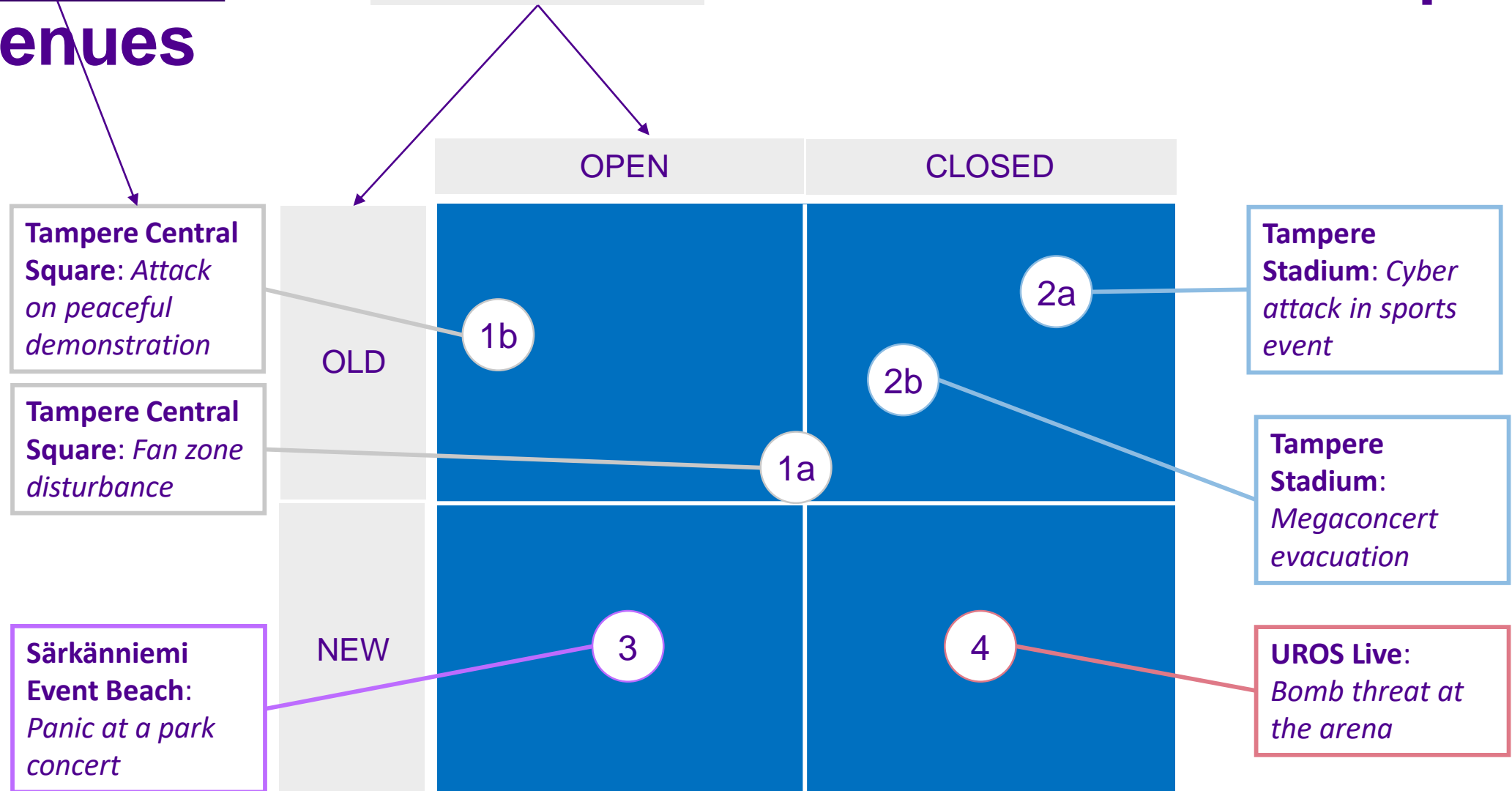
**Särkänniemi
Event Beach**

**Tampere
Central Square**

**Tampere
Stadium**

**Deck & Arena
(UROS Live)**

Scenarios and character of the chosen urban spaces & venues



Findings: building blocks for sense of security/safety

1. Spatial setting

- Urban space

2. Other people and their behaviour

- Natural social control

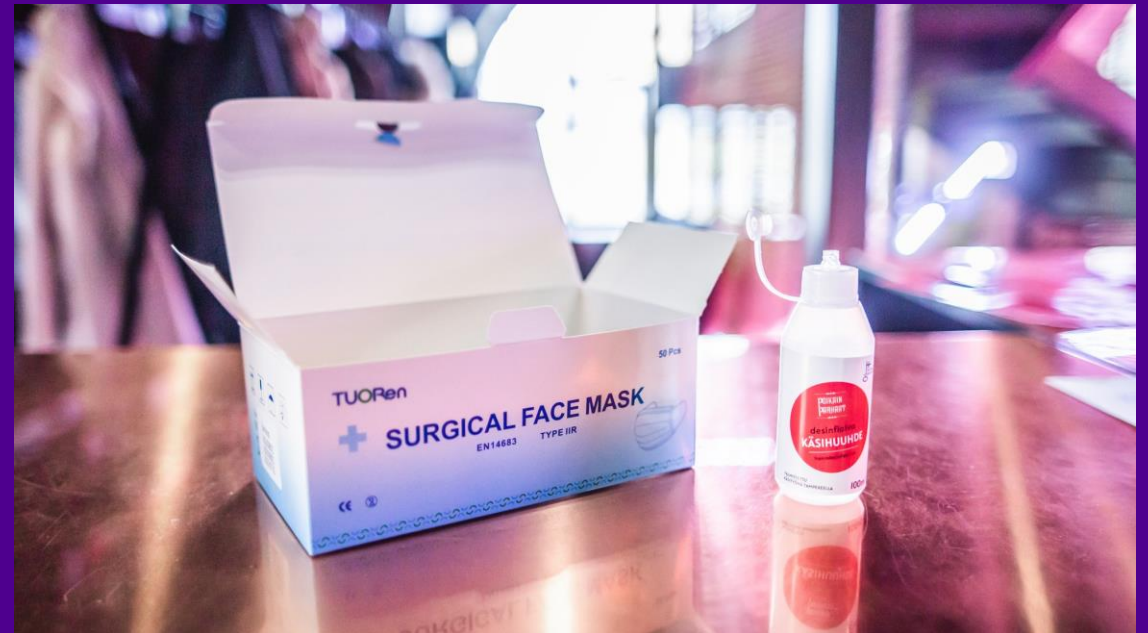
3. Understanding of context

- What is typical for each situation?

The role of technology?

”OK if not too much *in your face*”

The presence of security personnel is more important



Picture: Laura Vanzo / Visit Tampere



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**GUIDELINES FOR PLANNING SAFE AND
SECURE URBAN SPACE**



Social + technological + socio-technical

Roundtable 29th Oct: *panelists' choices*



Make the city open and accessible to all

Recognize the role and importance of different actors in building secure urban spaces



See events, venues, and the surrounding urban space as a continuum

Identify the event's wider impacts



Support the city's vitality with places that are flexible for different needs and uses

Spontaneous events are events too



Prioritize the event, including the participation and atmosphere

Security must not be made a spectacle at the expense of the event



Display safety-enhancing technology in a positive yet realistic light

Convince the event visitors, eg. of the reliable processing of personal data

Concluding remarks

- ⌘ Venues are part of the urban space that surround them
- ⌘ In a sustainably smart and safe city, events and their security measures require both technology and people
- ⌘ Security-enhancing technologies should not be siloed as a mere set of tools that monitor events and the participants
- ⌘ Event security systems must be arranged as acceptably as any technologies that do the surveillance of citizens in urban space
- ⌘ An event itself should be prioritised
- ⌘ The experience of a safe participation is an increasingly important part of enjoyment

A city of events is a city of different actors. They must thus be allowed to jointly plan and develop it.

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Thank you!

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Picture: Laura Vanzo

