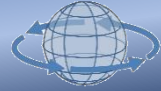# FORESIGHT CITY/REGION 3.0

04-04-21

Greetings and welcome to the **Foresight city/region 3.0** workshop, at the ISSEK conference Moscow April 14th.

Here is general info: the program: details & links: case study: notes for speakers: Annex

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Date: Wednesday 14th April 1330 BST / 1530 MSK

- *(1315: virtual coffee in the experimental 3D meeting space: https://hubs.mozilla.com/meeV34u*
- 1330: (Part 1): panel contributions & round table
- 1500: (Part 2): interactive mapping of the case example: *collaboratorium-fore-city-region-3.0*
- (*1600: virtual cocktails and viewing of results so far: https://hubs.mozilla.com/meeV34u*

Registration: **https://issek.hse.ru/en/polls/444798489.html**

Event background: **Foresight city/region 3.0**

Event link: from ISSEK following registration

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Strategic policy and planning in cities and regions is all about the future, but is typically trapped in the present – "fighting the last war but one". So how to raise the game?

This interactive session of the *Collaboratorium* ('*Laboratory for collective intelligence')*, explores how **Foresight-3.0** principles can enhance the *collective strategic intelligence* of cities and regions. With the added challenge / opportunity of the pandemic, we explore 3 critical questions –

- How would a **Foresight 3.0** level of *collective strategic intelligence* work in your city / region?
- What can we learn from the Covid-19 pandemic?
- What pathways can move from current city / region governance systems towards a **Foresight 3.0** model?

In Part 1 we discuss new perspectives and examples: in the part 2 interactive, we explore the case study example of the UK Future Cities foresight, and develop / test the pathways from 'smart to wise'…

Panel:

- Convenor: Joe Ravetz, Manchester Urban Institute: (introduction to Fore-city-region-3.0)
- Fabiana Scapolo, EU-JRC: (Policy Lab & future of governance)
- Mark Tewdr-Jones, UCL: (city futures & regional prospects)

- Wendy Schultz, Infinite Futures / SAMI: (emerging futures methods & tools)
- Geci Karuri-Sebina, South Africa Cities Network / Univ. Witwatersrand: (decolonialization & city futures)
- Rapporteur: Ian Miles, UOM & HSE
- Host: Ozcan Saritas, HSE, Editor of Foresight Journal

This session is hosted at the International Conference on Foresight & STI at the Higher School of Economics in Moscow, an international hub in foresight and futures - https://issek.hse.ru/en/forsconf-2020

The session is one of the *Future-proof Conversations*, applying the methods of the new book *Deeper City* for the *Collaboratorium* ('*Laboratory for collective intelligence')*, in 3 broad themes: *'Foresight-wise, Smart-wise, Eco-wise'*.

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KEY LINKS & DETAILS

To realize the benefits of on-line working we use an innovative '1-2-3D' combination:

*1D - **text-based interaction*** (chat thread & resource library)

- folder: https://www.dropbox.com/sh/7dqjucwfzbzfnk1/AADMXim_y-e5OfqfXy0jx-TRa?dl=0

*2D – **online whiteboard***: for extended visual thinking, using the synergistic toolkit for mapping of a *collective urban intelligence:*

- *https://app.mural.co/t/collaboratorium2552/m/collaboratorium2552/1617897760980/1fdde83 a2e5a8f9e060e532b0b08dfe0f35adf30*

*3D - **virtual meeting space***:   significant results from the whiteboard can be mounted in the 3D 'galleries' for informal viewing & discussion, as the process goes on. This space also enables sub-groups to form & self-organize, talk at the bar or walk around the gardens, just as in a real conference.

(experimental site in progress) - https://hubs.mozilla.com/meeV34u
On entry, select 'join the room' & enable mike & put your name on an avatar.
Navigation, press arrow keys or 'A,S,W,D'.
Turn with a left click mouse pointing in that direction (or press E).
Flying, put '/fly' in the chat & point upwards….
To show the real you - 'share screen' on the purple share button at the bottom
2 minutes practice or wait in lobby for guided tour).
(this works best on laptop / PC with mouse control - (or VR headset)

Collaboratorium general method: https://sites.manchester.ac.uk/synergistics/collaboratorium/

Background of theory & practice: [Deeper-City-Collective-Intelligence-and-the-Pathways-from-Smart-to-Wise](#)

Follow on program: this session is the first in 2021, with a follow up in around 4 months.

Registration: https://issek.hse.ru/en/announcements/445154362.html

This is one of a series of ***Synergistic Conversations*** - a global program of deliberation and design thinking on collective intelligence and the pathways from smart to wise... The event listing is on https://sites.manchester.ac.uk/synergistics/conversations/

ABOUT THE METHOD –

- we are keen to innovate with new forms of *'collective deliberative intelligence'*
- To get beyond the 'experts on the top table' versus audience
- If the Foresight 3.0 program aims to be transformational, it needs methods which can help that
- The online whiteboard here is part of a process, running from 2020-2021,
- we systematically cultivate ideas from everyone, to co-create a fully participative result
- (in contrast to a conventional 'workshop format' sub-groups, where often many people are silent)
- The outputs so far will be reported and circulated & all materials are online
- So in this experimental space we are looking to test new models
- Any experiment has the possibility of unplanned outcomes –
- Many thanks in advance for your patience and commitment!!

NOTES FOR SPEAKERS:

Speakers need to register to get the links from HSE

Registration: https://issek.hse.ru/en/announcements/445154362.html

We aim for a collaborative meeting of minds – not only talk but a process leading towards action... a *Collaboratorium / Lab for collective intelligence* at the frontiers.

Main session Part 1:

- JR will introduce. We have 5-10 minutes per speaker, as the session is all about inter-connections (notification bell at 9 minutes!!).
- Great if you can send slides before, so we can mount them in the workspace.
- Great if you can address the 3 questions as far as possible, from your perspective, with examples.

Interactive Part 2: this is the core purpose of the project (but we will understand if you have to move on).
- Details in the next section

CASE STUDY – FORESIGHT CITY/REGION 3.0

This case study builds on a large UK national foresight on the Future of Cities - https://www.gov.uk/government/collections/future-of-cities

In this case, a wide range of excellent work was put together. However - the results were not fully taken on at the national policy level, and the recommendations for city /regional foresight practices were rarely followed up at the local level.

Meanwhile the need is ever greater, for cities and territories to anticipate & envision possible futures, build capacities on the ground, and make long-range plans which are visionary and transformative.

This case study is a work in progress, which invites the creative contributions of the workshop, in each of the main sections:

- *System mapping - existing problems and challenges*
- *Scenario mapping – alternative futures, based on the IPCC-SRES*
- *Synergy mapping – new visions, opportunities, potential innovations*
- *Strategy & pathway mapping – practical ways forward, road-maps, strategic planning*

In the Part 2 interactive session, we will move the whole discussion to the work in progress on the whiteboard, and invite your best ideas, on practical ways to realize the potential of a Foresight 3.0 ….

URBAN CO-EVOLUTION

Firstly: it seems different levels of foresight work with different frames of problems & solutions. The synergistic method helps to map these in a typical city / region:

- **Mode-I** or **foresight 1.0** – frames problems as basically short-term functional, and looks for ways to fix them. (*e.g. where to put 5000 houses*)

- **Mode-II** or **foresight 2.0** – frames the future as an evolutionary extension of the present: looks for competition, innovation, incentives. *(e.g. how to improve the values of 5000 houses)*

- **Mode-III** or **foresight 3.0** – frames & envisions multiple futures as a co-evolutionary transformation: looks for insight, emergence, collaboration & collective intelligence. (*e.g. how to help a liveable community to emerge, with 5000 houses).*

PATHWAYS

From the follow up to the UK Future of Cities foresight, 3 types of pathways have been explored: and each of these can be turned into practical detail.

Fore-city 3.0 'co-futures' pathways :

- Enhanced scanning, systems analysis, collective anticipatory intelligence.

- Co-envisioning, transition pathways, road mapping, strategic planning.

Fore-city-3.0 'smart-wise' pathways:

- Data co-analytics with 'Collective human artificial intelligence'.
- Active platforms for integrated 'Local-onomic' synergies.

Fore-city-3.0 'co-governance' pathways:

- Multi-level round table open-co-governance models.
- Network & mobilize grassroots / social innovations.

Outlines of these pathways, and the systems which they aim to transform, are mapped on the interactive 2D whiteboard, with the help of the synergistic methods & tools.

Participants are invited to question, comment, critique, explore applications to their city / region.

This is a key part of the experimental ***Collaboratorium*** *(Lab for collective intelligence)*:

ANNEX A: 2020 FORESIGHT 3.0 SESSIONS

SESSION A – THEMES & QUESTIONS

1) FORESIGHT AS PROCESS:
- What new / adapted / extended next-gen / Foresight 3.0 processes & methods can respond to the pandemic situation?
- How do we know if they work?

2) FORESIGHT AS COMMUNITY:
- Who should be engaged in the next-gen foresight 3.0? (beyond the mainstream expert-policy axis).
- How to mobilize & empower a wider group of actors? How to manage the tensions?

3) FORESIGHT AS LEARNING
- What kind of data / information / knowledge / insight can respond to the pandemic challenge?
- What kind of research program can be designed to take this forward?

SESSION A - PROSPECTS

These steps are for a medium term development program, to explore the 'externals' – the applications of a *Foresight 3.0* into various levels of a knowledge based society:

- Develop *Foresight 3.0* applications, in **policy development, evidence, evaluation, planning** etc.
- Develop *Foresight 3.0* applications, for **empowerment, decolonization, etc**
- Develop *Foresight 3.0* applications, for **social innovation, business innovation** etc
- Develop *Foresight 3.0* applications, to **science / technology / research / innovation**

SESSION B - THEMES

Foresight 3.0 as transformation : Reclaiming the future.
- *How to mobilize FS3 for co-evolution & societal change?*
- *How to manage power & conflict?*

Foresight 3.0 as learning:
- *How to enable the collective intelligence in FS3?*
- *How to fit data / informatics with creative insight?*

Foresight 3.0 as process & community
- *How to use FS3 for strategic policy & plans?*
- *How to build a FS3 user community?*

SESSION C - THEMES

- What lessons from the pandemic??
- ***FS-3 as experience:*** (re-evaluation for the future) How mapping 'deeper layers' can help to explore 'deeper opportunities'?
- ***FS-3 as cogitation:*** 'rethinking the future' : How to use collective intelligence for strategic management?
- ***FS-3 as policy:*** 'replanning the future' How integrated futures literacy can help to run a country?

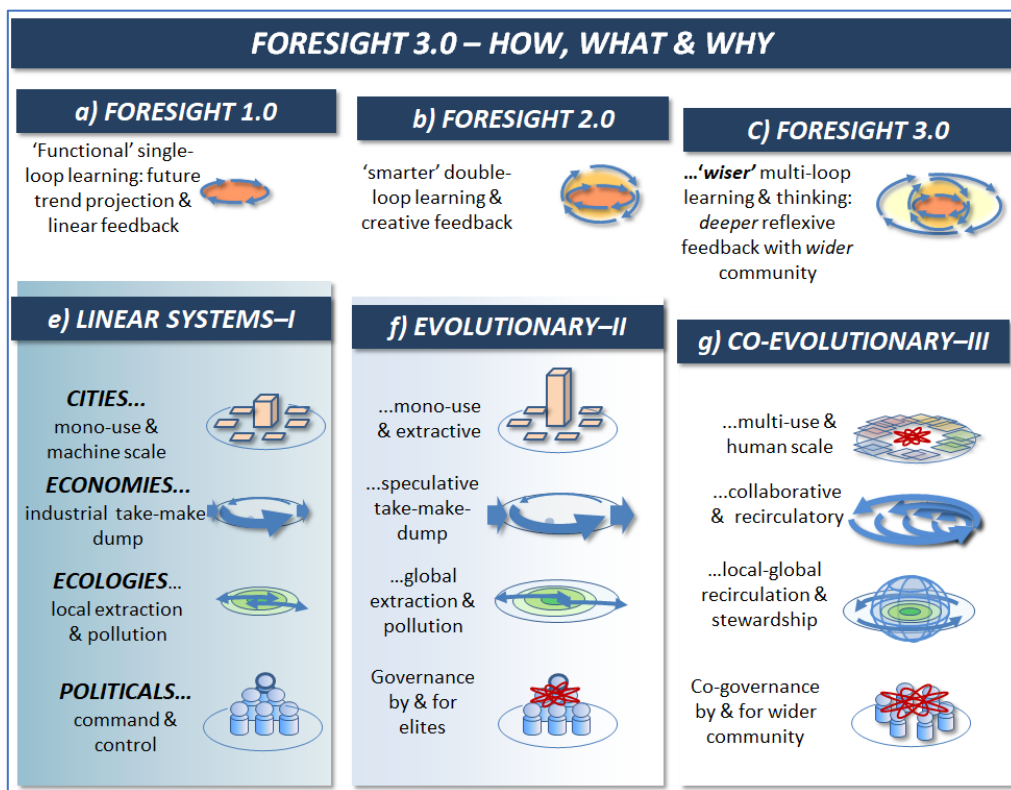## ANNEX B: OVERVIEW OF FORESIGHT 3.0

It seems different versions / paradigms of foresight work at different levels of 'cognitive systems complexity'. This is one way to arrange them:

- **Foresight 1.0 (Mode-I)** – sees future problems as basically functional, and looks for ways to fix them.
- **Foresight 2.0 (Mode-II)** – assumes the future as an evolutionary extension of the present…
- **Foresight 3.0 (Mode-III)** – envisions multiple futures as a potential for transformation.

Foresight 3.0 ('FS-3') then calls for an emerging *'collective anticipatory intelligence'*: both within the foresight process, and in the society which surrounds it. This may emerge through a process & cycle, including collective (co)-learning, co-sensemaking, co-creation, co-production. FS-3 pushes the boundaries in 3 directions:

- **Deeper** layers of value & thinking – STEEP (social, technical, economic, environmental, political, cultural, ethical, archetypal - to extend the CLA idea)
- **Wider** communities of stake-holders, knowledge-holders etc
- **Further** chains of cause-effect, from upstream to downstream

These parallel *modes* of Foresight are also linked to the social / economic / political context. The diagram here shows how these can also be mapped with the Mode-1,2,3 co-evolutionary scheme.

To explore all this we need to think out of the box. We can use something like the Synergistic Toolkit, to explore the *deeper and wider* problems, the potential of *collective intelligence*, and mapping of forward *pathways*. Details on www.manchester.ac.uk/synergistics and www.urban3.net

Note – the 'Foresight 3.0' label is not fixed or final - there are other parallel & overlapping concepts. Here the '3.0' or *'Mode-III'* label is a summary for an emerging concept of a deeper & wider foresight practice, or a *'collective anticipatory intelligence'*. This applies to both inside & outside the boundary:

- *Within* the foresight circle of processes & community of practice,
- *External* to the foresight circle, i.e. the society around, & societal challenges.

ANNEX: SUMMARY TABLE

Foresight-III: co-evolutionary mapping *(from Ravetz 2020)*

	Mode-I Linear	Mode-II Evolutionary	Mode-III Co-evolutionary
	'CLEVER': complex	'SMART': emergent complexity	'WISE': deeper complexity
FS. as TRANSFORMATION			
'FURTHER': (emergence, transition)	Problem-fixing & technical innovation	Opportunity-seeking entrepreneurial innovation	Agenda setting foresight & transformative innovation
FS. as LEARNING			
'DEEPER' (social, ecological etc)	Technical & functional information & analysis	Multi-functional insight & strategy	Multi-dimensional, multi-valent synthesis
FS. as COMMUNITY			
'WIDER': (actors & factors)	Elite/experts with top-down programme	Elite/experts with open enterprise	Participative co-learning & co-production
FS. as POLICY			
'CYCLIC' (divergent / convergent thinking)	Specific data / information actions / responses	Enterprise & competition focused information / knowledge	Societal insights for co-evolutionary pathways for transformation

SOME SOURCES:

Ravetz, J, 2020: Pandemic-3.0 – from crisis to transformation – Exploring the COVID-19 Challenge. *Journal of Future Studies.* https://jfsdigital.org/2020/08/18/pandemic-3-0-from-crisis/

Inayatullah, S, and Black, P, (2020). *Neither A Black Swan Nor A Zombie Apocalypse: The Futures Of A World With The COVID-19 Coronavirus.* Journal of Futures Studies. https://jfsdigital.org/2020/03/18/neither-a-black-swan-nor-a-zombie-apocalypse-the-futures-of-a-world-with-the-COVID-19-coronavirus/

Ravetz, J, & Miles, I.D, (2016) Foresight in cities: on the possibility of a "strategic urban intelligence", *Foresight*, Vol.**18**(5), pp469-490, http://dx.doi.org/10.1108/FS-06-2015-0037

Ravetz, J, (2020) *Deeper City: collective intelligence and the pathways from smart to wise*. NY, Routledge: http://www.routledge.com/books/details/9780415628976/

General links: www.manchester.ac.uk/synergistics