



**5G TECHRITORY**



5G Techritory Forum, 18-19 October, 2023, Riga



Ministry of  
Education and Science  
Republic of Latvia



Latvian Council of Science

# Civil Security and Cyber Security co-creation event for Horizon Europe Projects

## Opening remarks



Federation of Security and  
Defence Industries of Latvia

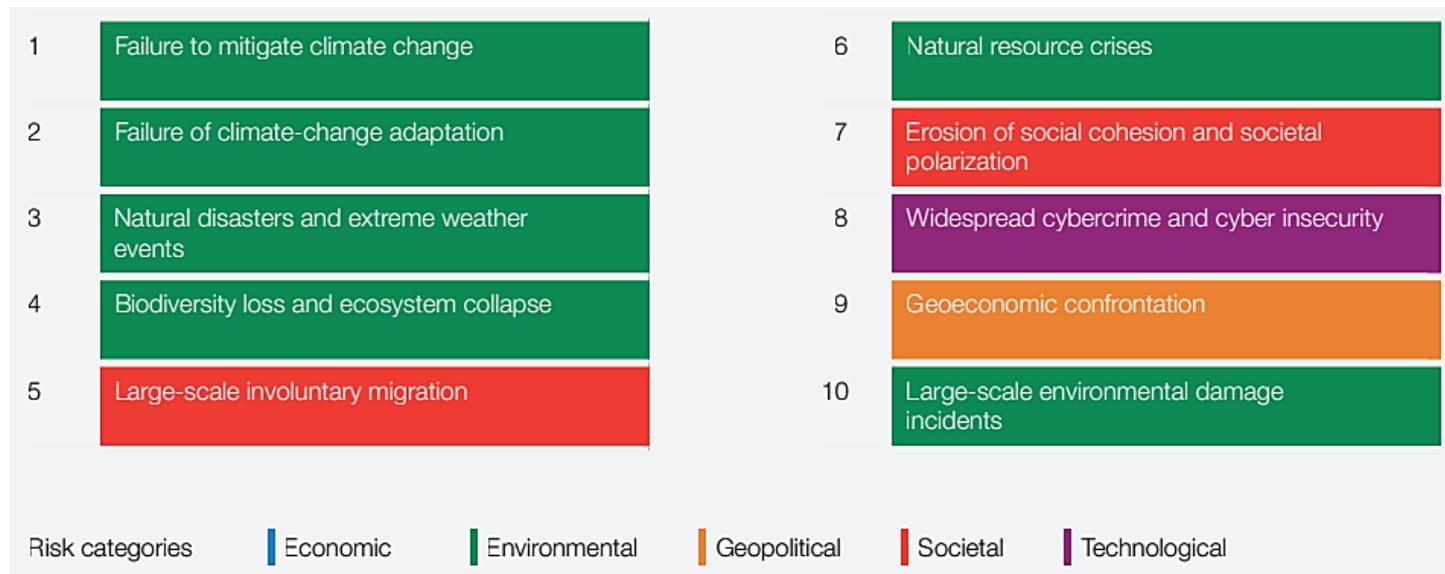
Ivars Nakurts  
State fire and rescue service of Latvia  
Deputy chief



## Horizon Europe program Cluster 3 “Civil security and Cyber security”

- Resilient Infrastructure;
- Increased Cybersecurity;
- Effective management for EU external borders;
- Disaster-Resilient Society for Europe;
- Better protection for the EU and its Citizens against Crime and Terrorism;
- Strengthened Security Research and Innovation

## Global risks ranked by severity over the long term (10 years) – World in 2033

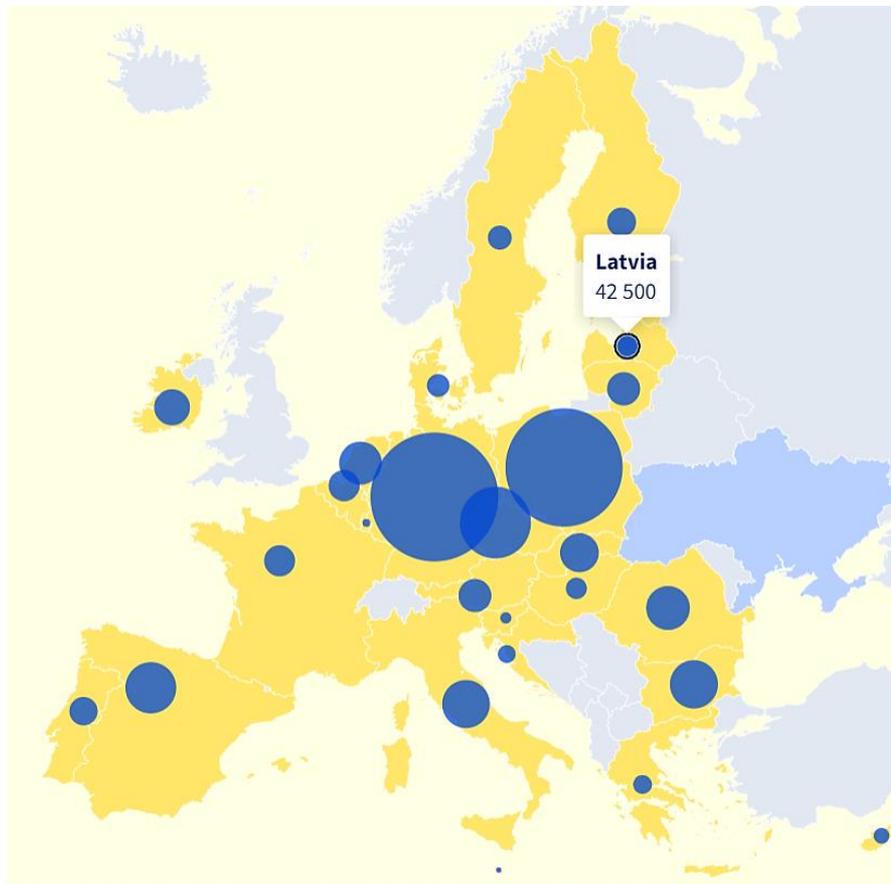




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## Geopolitical impact - Refugees from Ukraine who benefit from temporary protection in the EU





## The cybersecurity skills gap by industry

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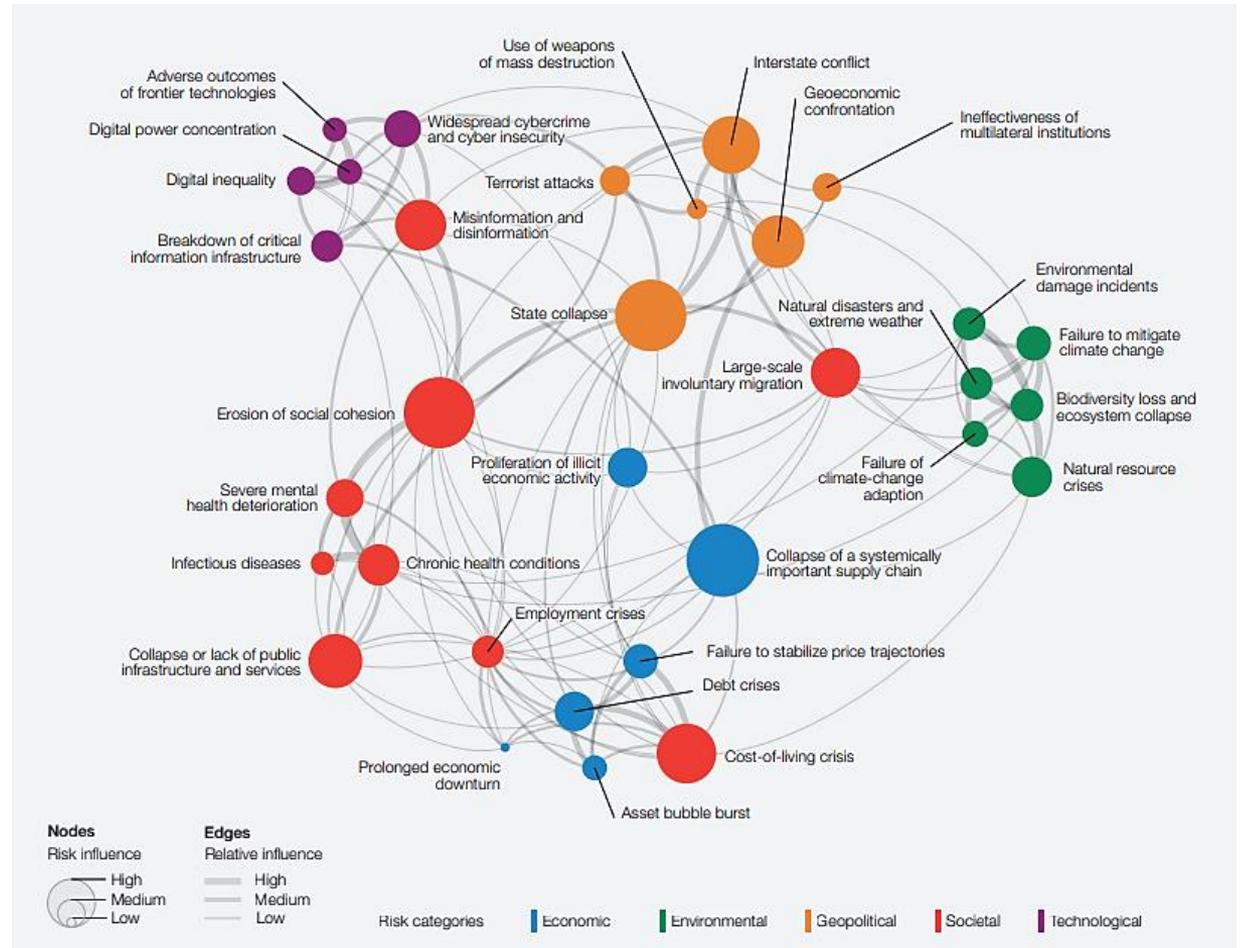
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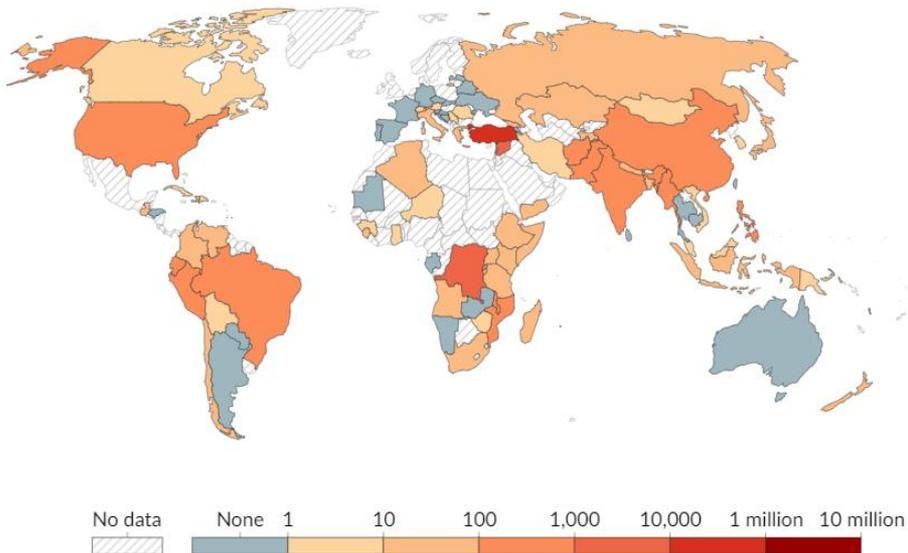
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## Global risks landscape: an interconnections map

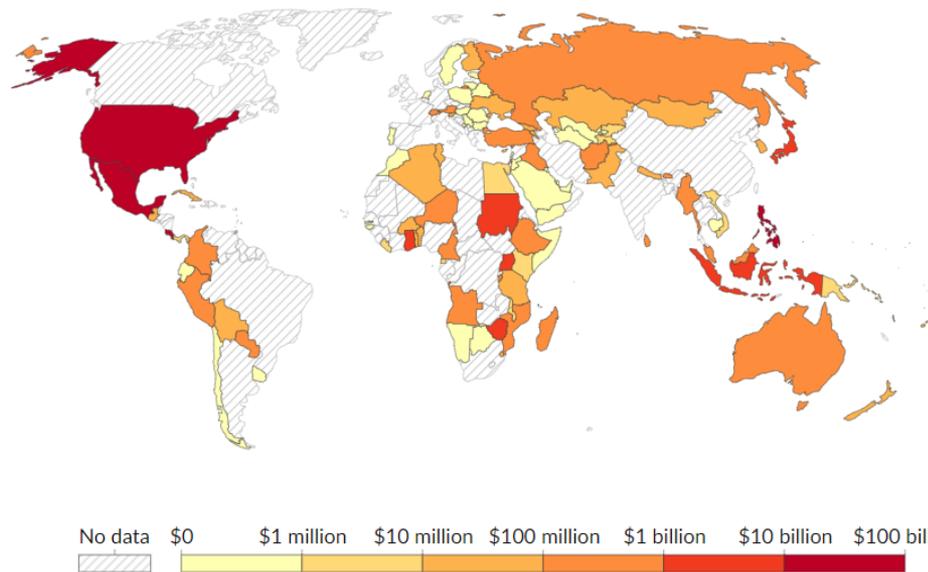


## Number of deaths from disasters, 2023



Disasters include all geophysical, meteorological and climate events including earthquakes, volcanic activity, landslides, drought, wildfires, storms, and flooding.

## Direct disaster economic loss, 2021

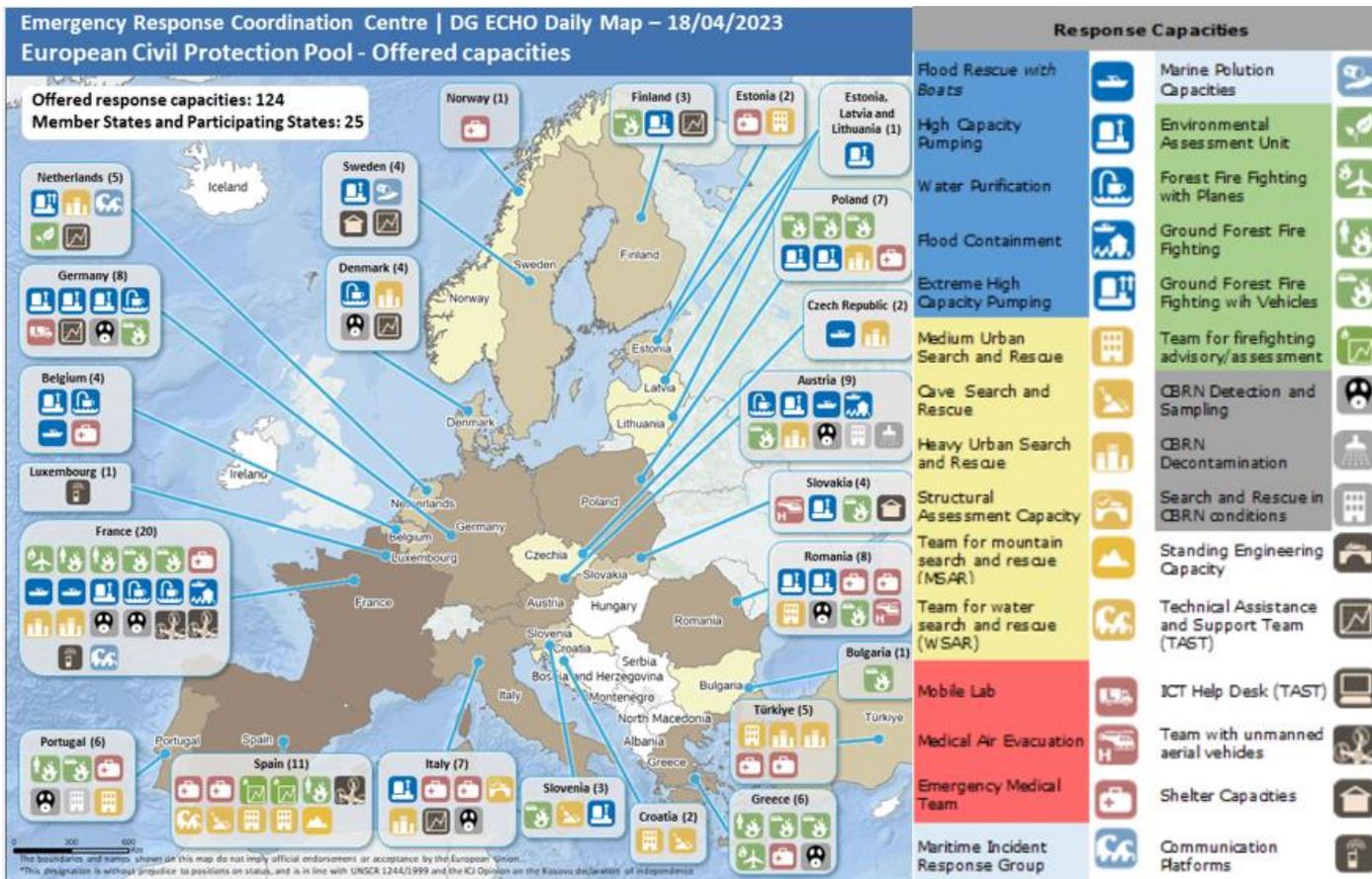


The monetary value of total or partial destruction of physical assets existing in the affected area. Direct economic loss is nearly equivalent to physical damage.

# EU Civil protection Mechanism capacities - Poll of pre-defined resources

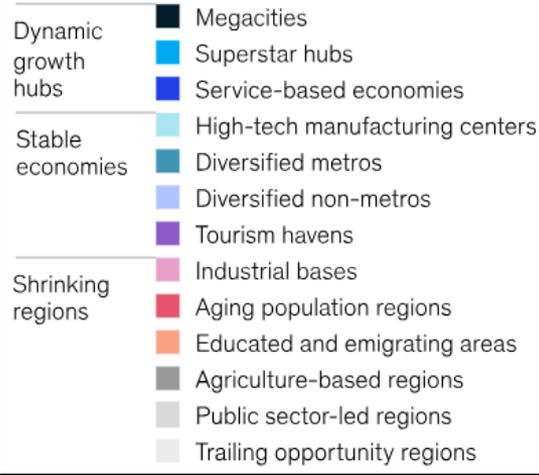
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# Consideration of automation, migration and shrinking of labor supply

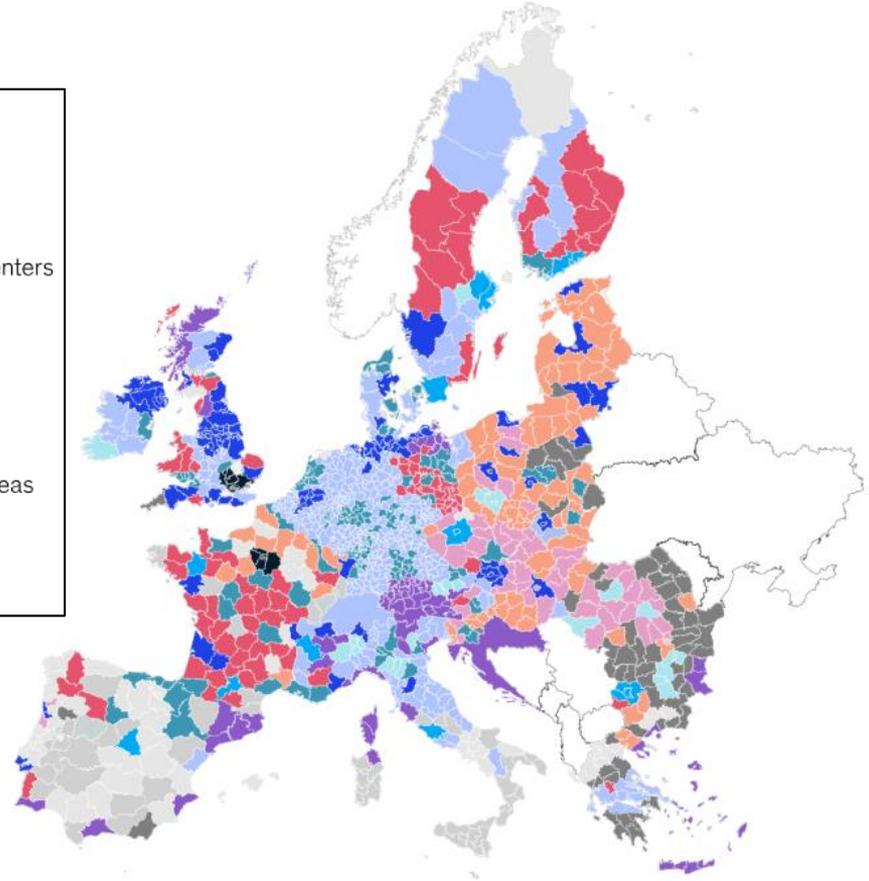
Map of Europe by cluster type



**Dynamic growth hubs** - home to 20 % of Europeans - the highest GDP per capita and strong innovation capabilities

**Stable economies** - home to 50 % of Europeans - above-average GDP per capita, attracted new residents

**Shrinking regions** - home to 30 % of Europeans. The working-age shrinking because of outmigration and aging

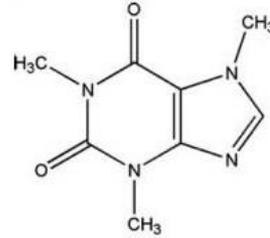


# Horizon Europe program Cluster 3 “Civil security and Cyber security”

- Where, how, when to start?

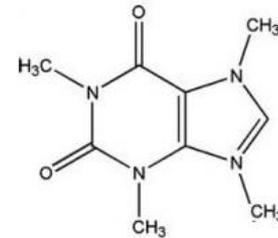
Fostering for national and international cooperation between government institutions, industry and academia, building consortia for Horizon Europe projects

## New insight - new perspective



*Theobromine*

Provides consistent energy without the energy spike and crash – non addictive



*Caffeine*

Strong nervous system stimulant - can be addictive



**Vertical Take-off and Landing Drone vs Multirotor Drone vs Fixed-wing Drone**

Source: <https://chocolatealchemy.com/blog/2012/11/21/ask-the-chemist-13>

Source: <https://www.jouav.com/vtol-drone>



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## Thank you – it's your time to act!