

# Polikrizē

R.K.

(LB, VU, [www.ekonomika.org](http://www.ekonomika.org))

2023 vasaris

# I. Nuojaautos/zeitgeist

allen lane

# The Crisis of Democratic Capitalism

Martin  
Wolf

'Thought-provoking and important'  
MARK URBAN

# THE WEAPONISATION OF EVERYTHING

A FIELD GUIDE TO  
THE NEW WAY OF WAR

MARK GALEOTTI

The ten trends that imperil our future,  
and how to survive them



# MEGATHREATS

NOURIEL ROUBINI

'Forewarned is forearmed. Read and pay attention' MARTIN WOLF  
CHIEF ECONOMICS COMMENTATOR, FINANCIAL TIMES

## II. Polikrizė: kas tai

- Kibernetika: suma > dalys
- Lūžio taškai (tipping points)
- Netiesiškumai
- Chaosas

Opinion **Global Economy**

# Welcome to the world of the polycrisis

Today disparate shocks interact so that the whole is worse than the sum of the parts

ADAM TOOZE

+ Add to myFT



Wildfires in California have forced thousands to evacuate their homes in recent years. There is a growing anxiety that we are hurtling towards catastrophic ecological tipping points © Robyn Beck/AFP/Getty Images

# III. WEF Global Risk Report

# Rizikų grupės

- Ekonominės
- Socialinės
- Technologinės
- Gamtinės
- Geopolitinės



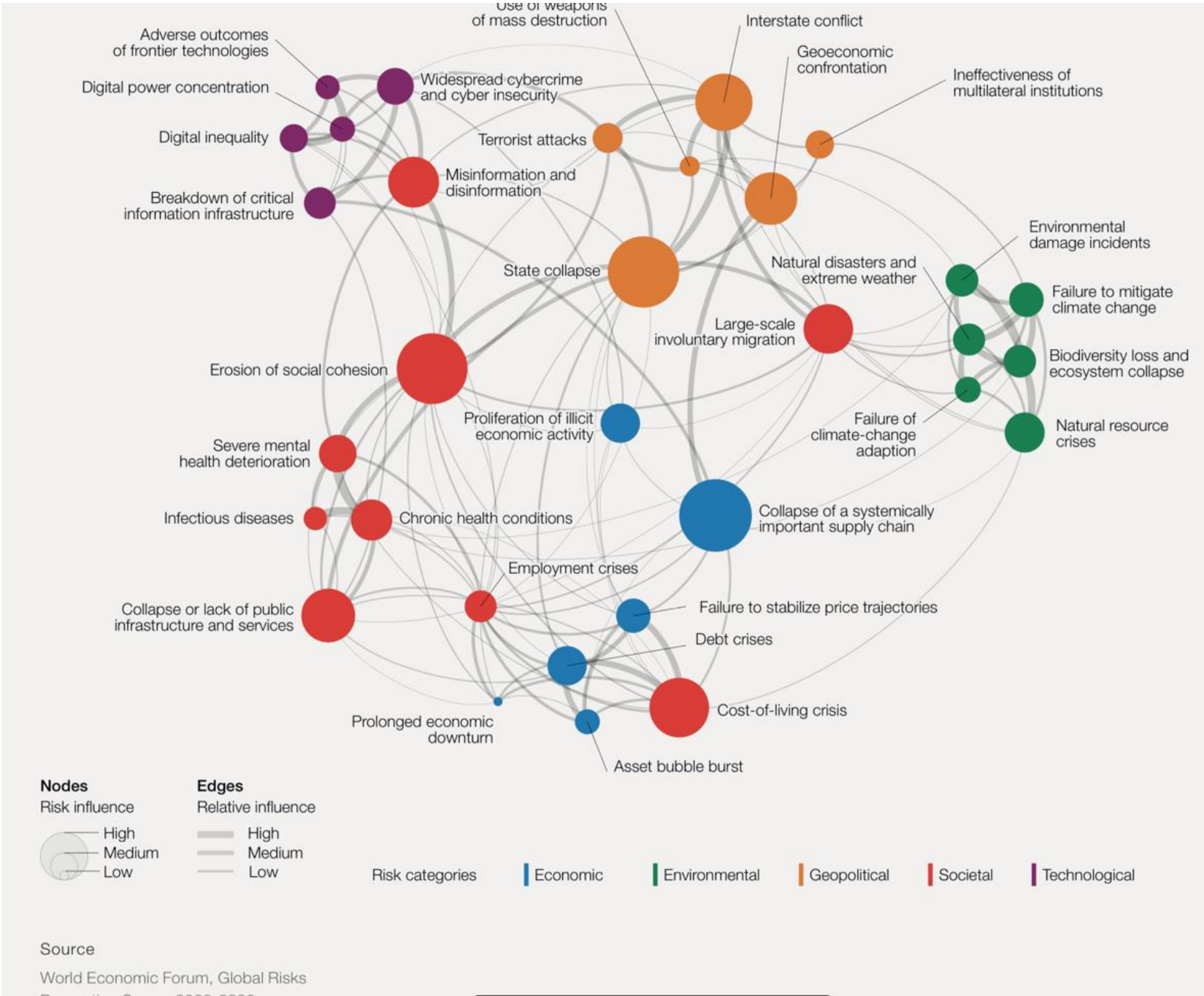


FIGURE A

## Global risks ranked by severity over the short and long term

"Please estimate the likely impact (severity) of the following risks over a 2-year and 10-year period"

### 2 years



### 10 years



Risk categories | Economic | Environmental | Geopolitical | Societal | Technological

Source

World Economic Forum Global Risks Perception Survey 2022-2023.

FIGURE D

Currently manifesting risks

*"Please rank the top 5 currently manifesting risks in order of how severe you believe their impact will be on a global level in 2023"*



FIGURE E

Global risks ranked by severity

*"Please estimate the likely impact (severity) of the following risks over a 2-year and 10-year period"*

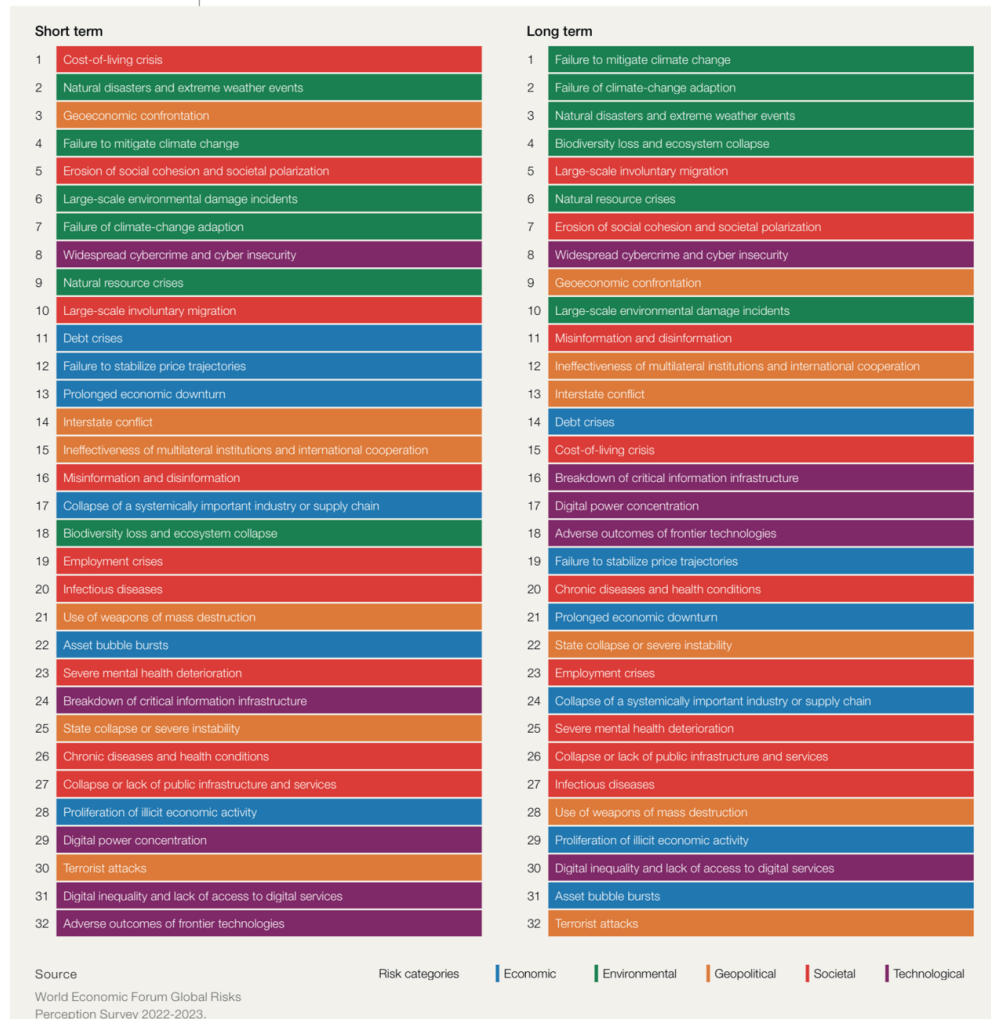
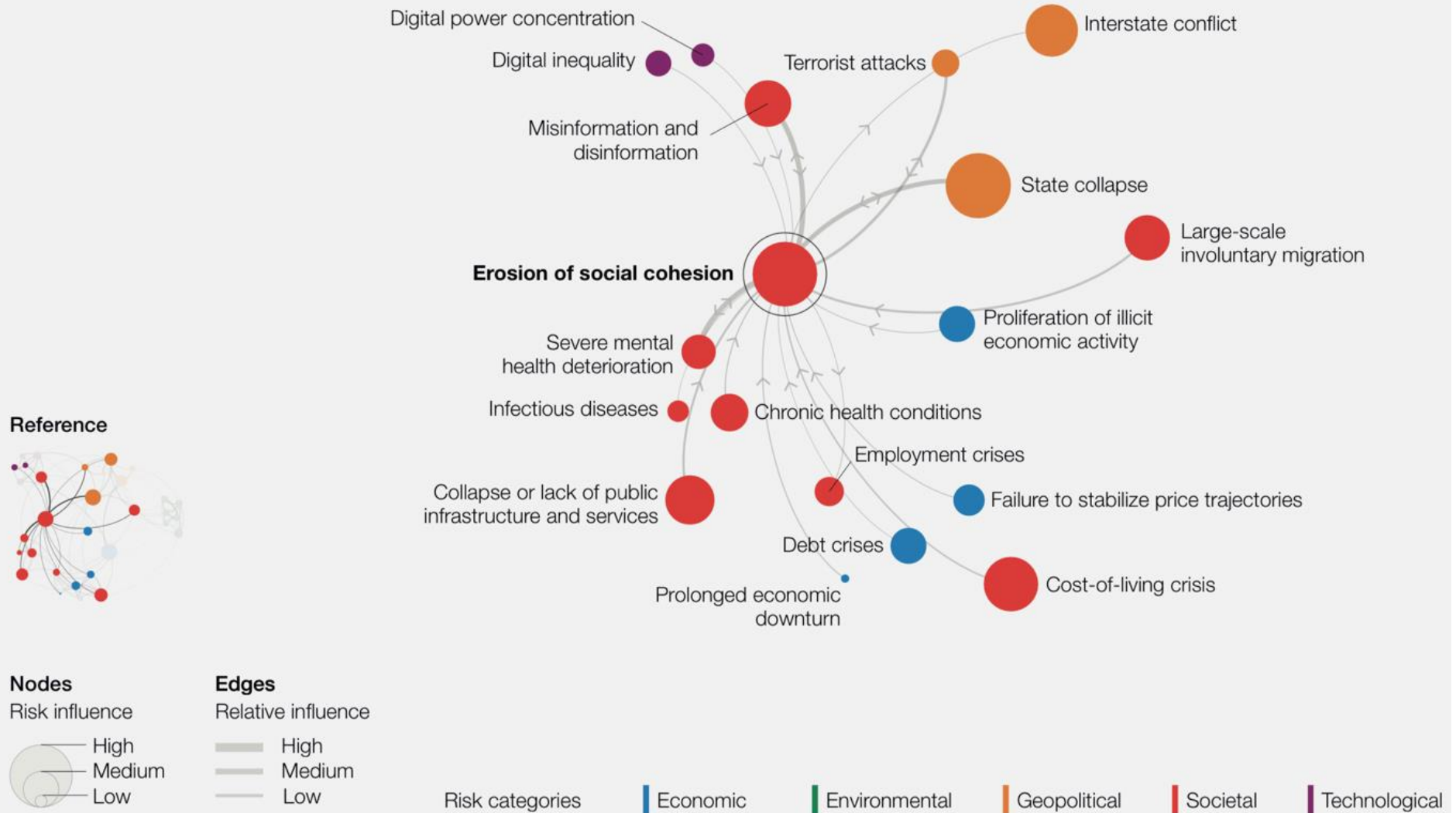


FIGURE F Perceptions around preparedness and governance



FIGURE 1.9

Risk interconnections: the erosion of social cohesion



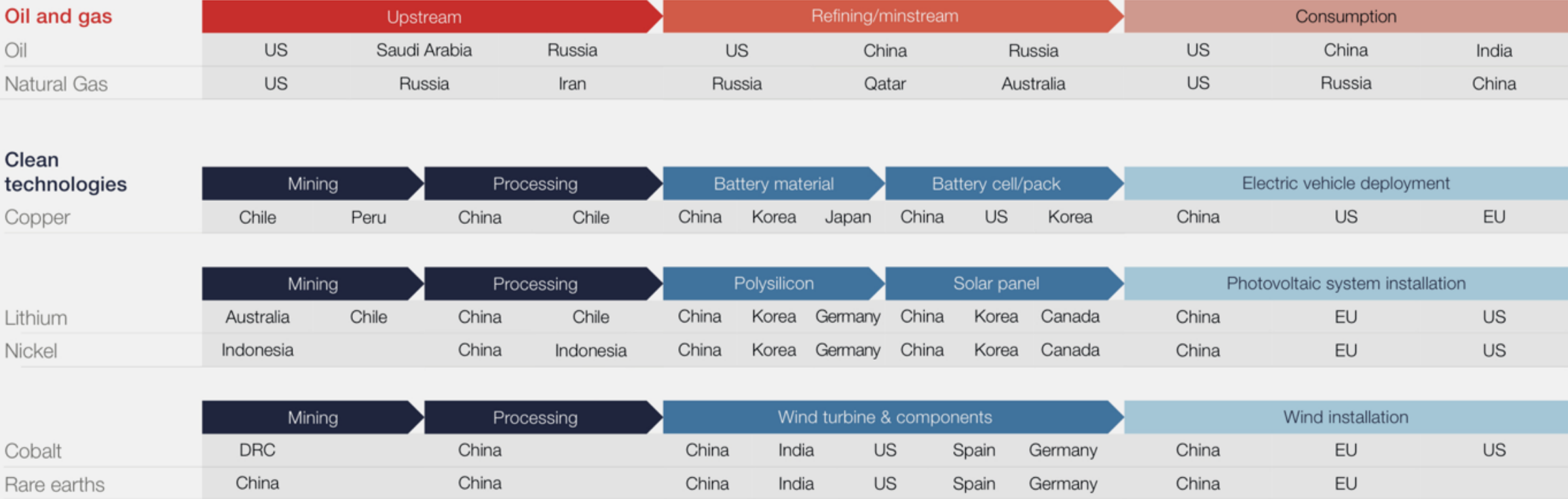
Source

World Economic Forum, Global Risks Perception Survey 2022-2023.

FIGURE 3.4

Relevance of critical metals and minerals

Indicative supply chains: key producers and consumers



Source  
Leruth, et al. 2022.<sup>20</sup>

Note  
Largest producers and consumers are indicative only.

# IV. Klimato kaita...

# Klimato kaita ir lūžio taškai

- **Lūžio taškai** (tipping points ) jau dabar ar labai netoli, o pasaulis klimato kaitai neutraliu planuoja tapti po 30 metų:

## EMERGENCY: DO THE MATHS

We define emergency ( $E$ ) as the product of risk and urgency. Risk ( $R$ ) is defined by insurers as probability ( $p$ ) multiplied by damage ( $D$ ). Urgency ( $U$ ) is defined in emergency situations as reaction time to an alert ( $\tau$ ) divided by the intervention time left to avoid a bad outcome ( $T$ ). Thus:

$$E = R \times U = p \times D \times \tau / T$$

The situation is an emergency if both risk and urgency are high. If reaction time is longer than the intervention time left ( $\tau / T > 1$ ), we have lost control.



# Lūžio taškai ir domino efektai

## RAISING THE ALARM

Evidence that tipping points are under way has mounted in the past decade. Domino effects have also been proposed.



**A. Amazon rainforest**  
Frequent droughts

**B. Arctic sea ice**  
Reduction in area

**C. Atlantic circulation**  
In slowdown since 1950s

**D. Boreal forest**  
Fires and pests changing

**F. Coral reefs**  
Large-scale die-offs

**G. Greenland ice sheet**  
Ice loss accelerating

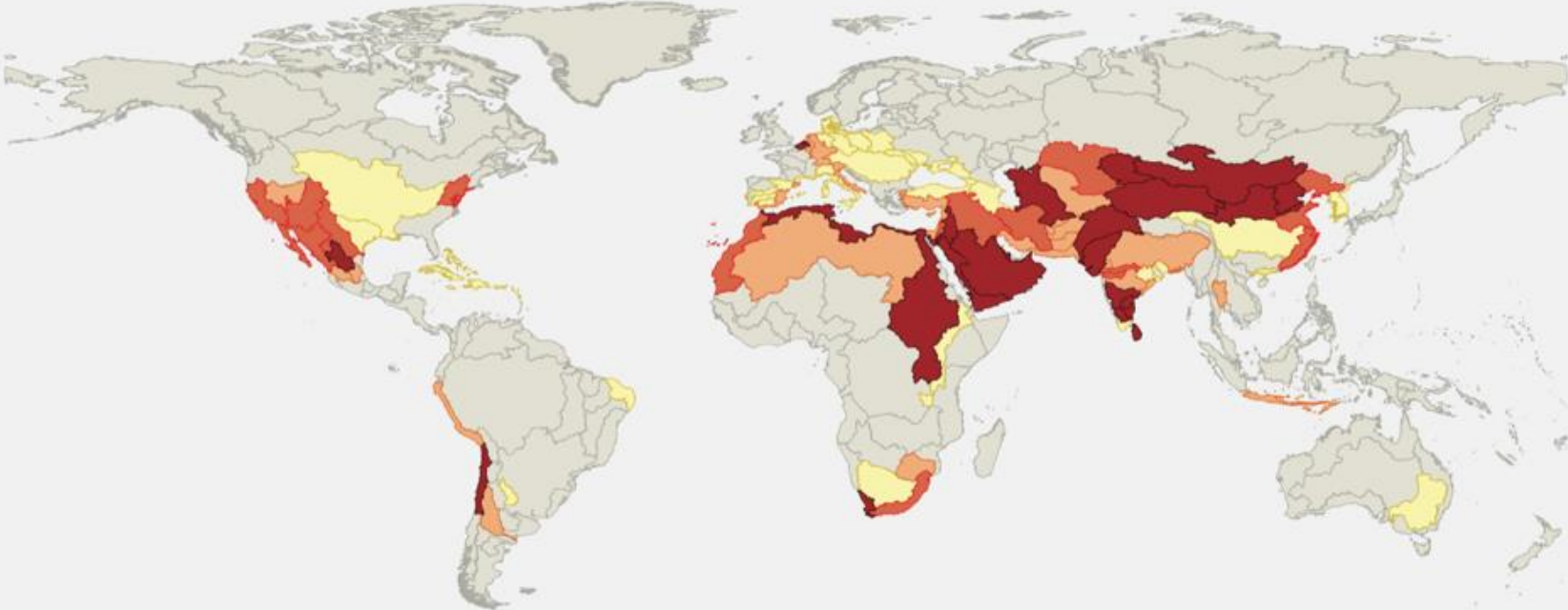
**H. Permafrost**  
Thawing

**I. West Antarctic ice sheet**  
Ice loss accelerating

**J. Wilkes Basin, East Antarctica**  
Ice loss accelerating

FIGURE 3.3

Level of water stress by major river basin, 2018



**Water stress**

■ No stress (0-25%)   ■ Low (25-50%)   ■ Medium (50-75%)   ■ High (75-100%)   ■ Critical (>100%)

**Source**

FAO, Aquastat database, 2022.<sup>13</sup>

**Note**

Level of water stress (SDG 6.4.2) by major river basin (reference year 2018). It is calculated as the ratio between (a) the amount of total freshwater resources withdrawn in the three economic sectors (Agriculture, Service and Industry) and (b) the total renewable freshwater resources after deducting the amount of water needed to support existing environmental services.

V. Ką daryt



