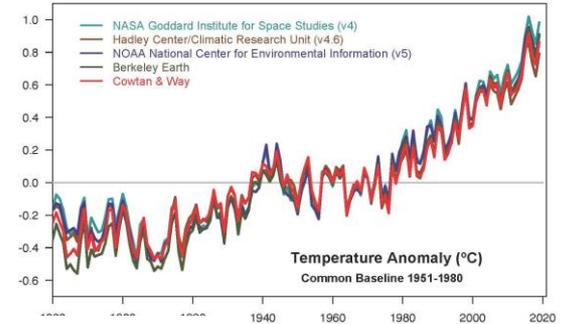


BIOCOMPACT-CE Final Project Conference

Andrej Kržan

**National Institute of Chemistry, Ljubljana
Slovenia**

The challenge



Interesting times

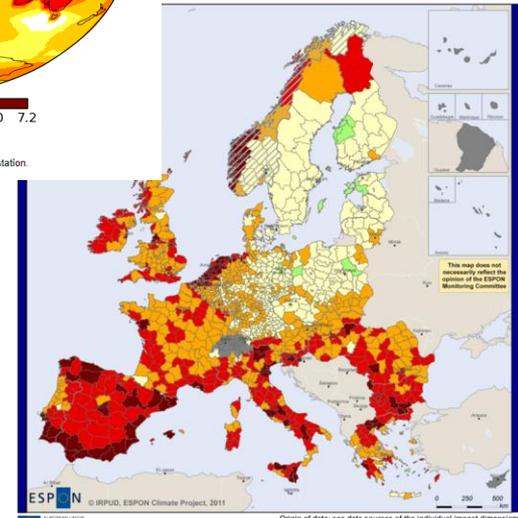
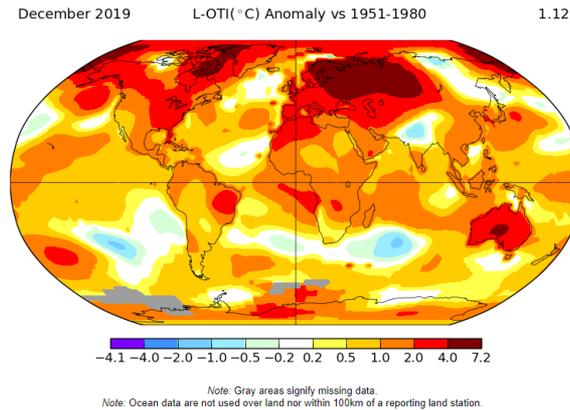
Climate change

Resource consumption

Pandemic

Economic challenges

Societal and political challenges



Aggregate potential impact of climate change

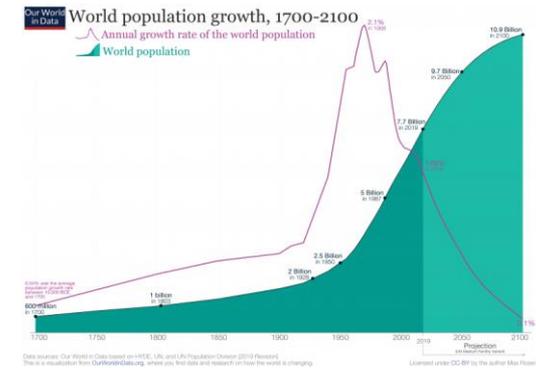
- highest negative impact (0.5 - 1.0)
- medium negative impact (0.3 - <0.5)
- low negative impact (0.1 - <0.3)
- no/marginal impact (>-0.1 - <0.1)
- low positive impact (<-0.1 - >-0.27)
- no data*
- /// reduced data*

Weighted combination of physical (weight 0.19), environmental (0.31), social (0.16), economic (0.24) and cultural (0.11) potential impacts of climate change. Weights are based on a Delphi survey of the ESPON Monitoring Committee.

Impact calculated as combination of regional exposure to climatic changes and recent data on regional sensitivity. Climatic changes derived from comparison of 1951-1980 and 2017-2100 climate projections from the CCLM model for the IPCC BRES A1B scenario.

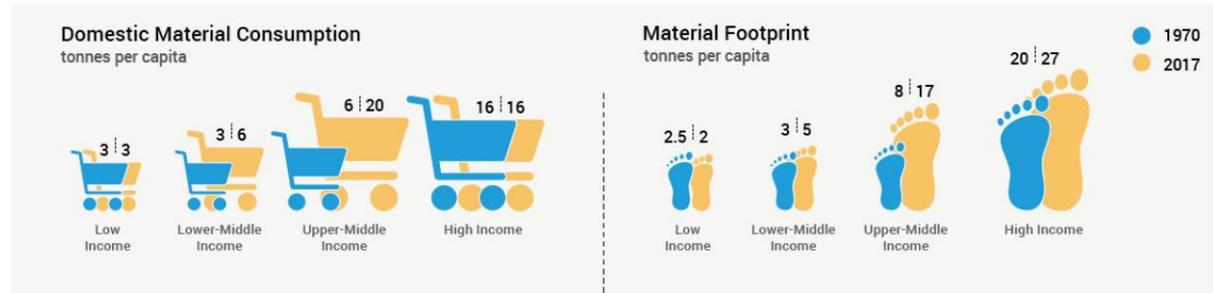
*For details on reduced or no data availability see Annex 9.

The challenge



Interesting times

Climate change



Resource consumption

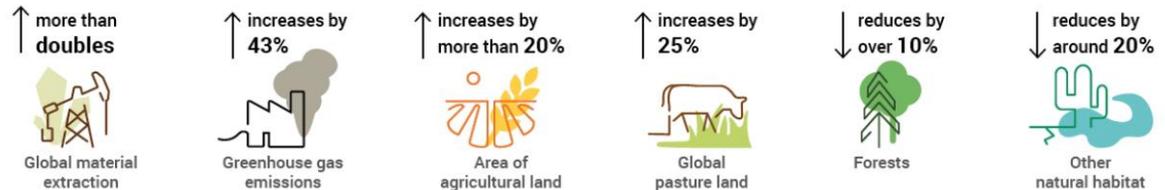
04. In the absence of urgent and concerted action, rapid growth and inefficient use of natural resources will continue to create unsustainable pressures on the environment.

From 2015 to 2060, *Historical Trends*:

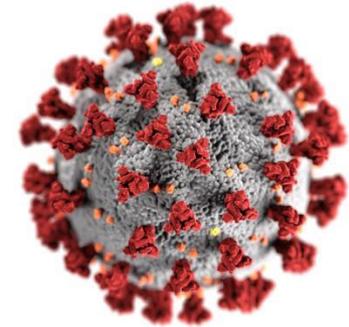
Pandemic

Economic challenges

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The challenge



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Interesting times

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CENTRAL & EASTERN EUROPE

2018 GDP FORECASTS

Highlights

- Low unemployment, strong wage growth and the ongoing investment boom are seen driving another strong outturn for the CEE economy this year.
- Downside risks to the CEE economy have intensified amid the deterioration of global trade relations, threatening the region's short-term growth trajectory.
- Slovenia, Poland and Romania are expected to be the fastest growing economies in the region. On the flipside, only Croatia, the region's worst performer this year, is expected to grow at below 3.0%.



Deep European Recession Forecast for 2020

Forecast year-on-year real GDP change in 2020*

Euro area **-8.7%**
EU **-8.3%**

- > -10.0%
- -8.0% to -9.9%
- -7.0% to -7.9%
- -6.0% to -6.9%
- < -6.0%

* Summer forecast
Source: European Commission



statista 



Interesting times

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Resource consumption

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Societal and political challenges

Answers



**RESEARCH & INNOVATION
TO DRIVE THE
GREEN DEAL**

#EUGreenDeal
#ResearchImpactEU

**BLUE
GROWTH**

71%
of the earth surface
is WATER

Why? Focus Area



EUSBSR
EU STRATEGY
FOR THE BALTIC
SEA REGION

**DANUBE REGION
strategy**

EUSALP
EU STRATEGY FOR
THE ALPINE REGION

EU Strategy for the
Adriatic and Ionian Region
EUSAIR

SUSTAINABLE DEVELOPMENT GOALS

**Horizon
Europe**

THE NEXT EU RESEARCH & INNOVATION
PROGRAMME (2021 – 2027)

CIRCULAR ECONOMY
Closing the loop

AN AMBITIOUS EU CIRCULAR ECONOMY PACKAGE

 Research and innovation	 SME competitiveness
 Environment and resource efficiency	 Low-carbon economy

**Interreg
Europe** 
European Union | European Regional Development Fund

BIOCOMPACT-CE

Full title:

Developing and Strengthening Cross-sectoral **Linkages** among Actors in **Sustainable Biocomposite Packaging Innovation** Systems in a **Central Europe Circular Economy**

Direct Challenge:

Packaging made from paper and plastics

An obstacle to circular resource use
An economic opportunity



PAPER BIO PACK

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OF PACKAGING IN
CENTRAL EUROPE?

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Development Fund
BIOCOMPACT-CE



Thank you and enjoy!



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