



# **Impact of the Pandemic on Education, Employment and Equity**

*Making sure Young People are not left behind*

**Mario Steiner**

# Topics

- ❖ Educational Impact of the Pandemic
  - Competences
  - Equality
  - Career / ESL
- ❖ Employment Impact of the Pandemic
  - Unemployment
  - NEETs
- ❖ Economic Impact of the Pandemic
  - Material and Social Deprivation
  - Macro-Economic Effects
- ❖ Summary & Conclusions
  - Immediate interventions
  - Resilience of Educational System

# 1a) Educational Impact: Competences

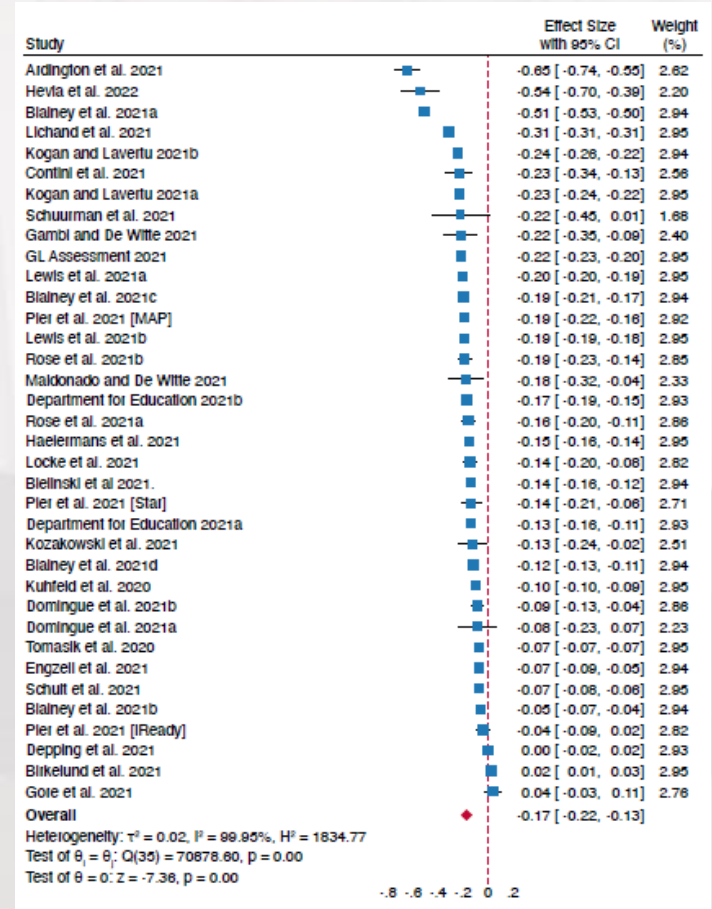
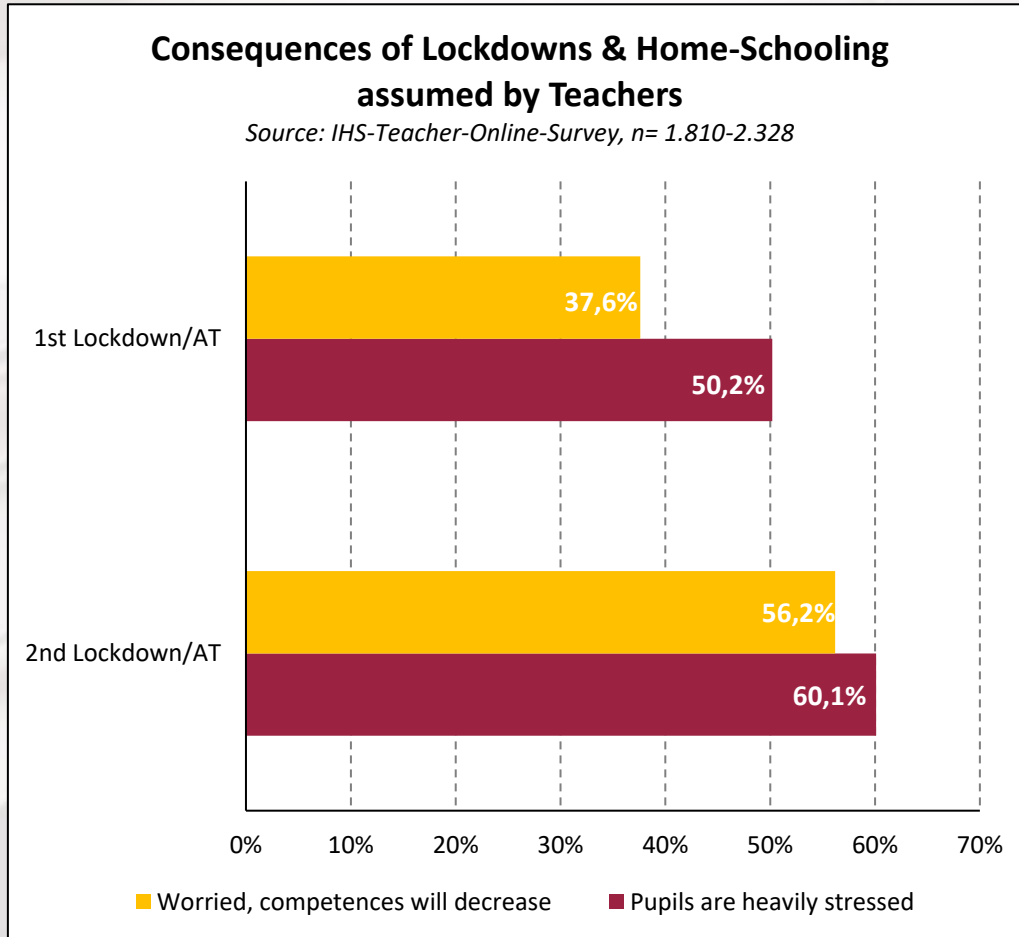


Figure 3: Forest plot showing individual estimates by study (averaged across subject and grade level) and pooled effect size estimate.

Source: Betthäuser B., Bach-Mortensen A., Engzell P. (2022): A systematic review and meta-analysis of the impact of the COVID-19 pandemic on learning. SocArXiv, p.3.

# 1b) Educational Impact: Inequality

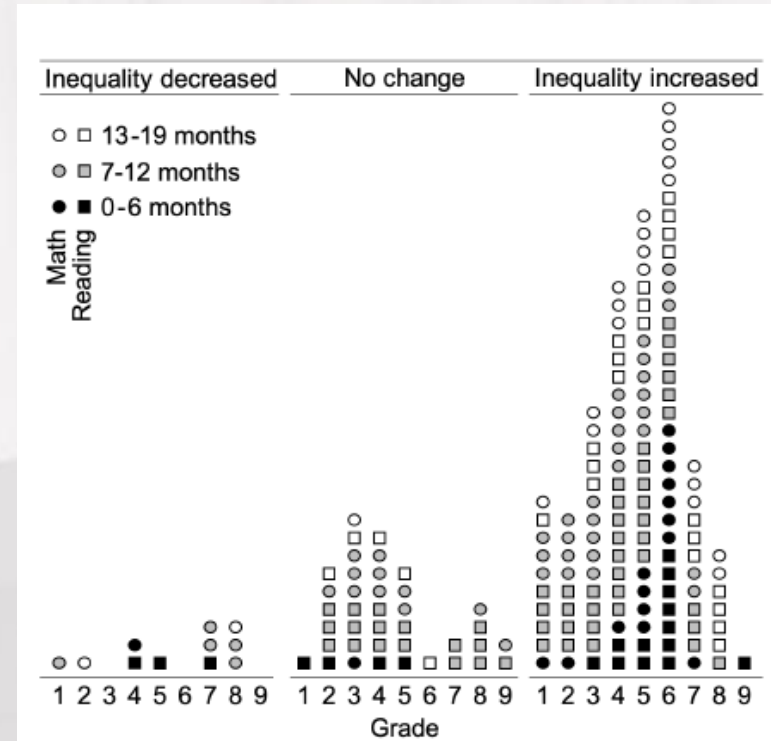
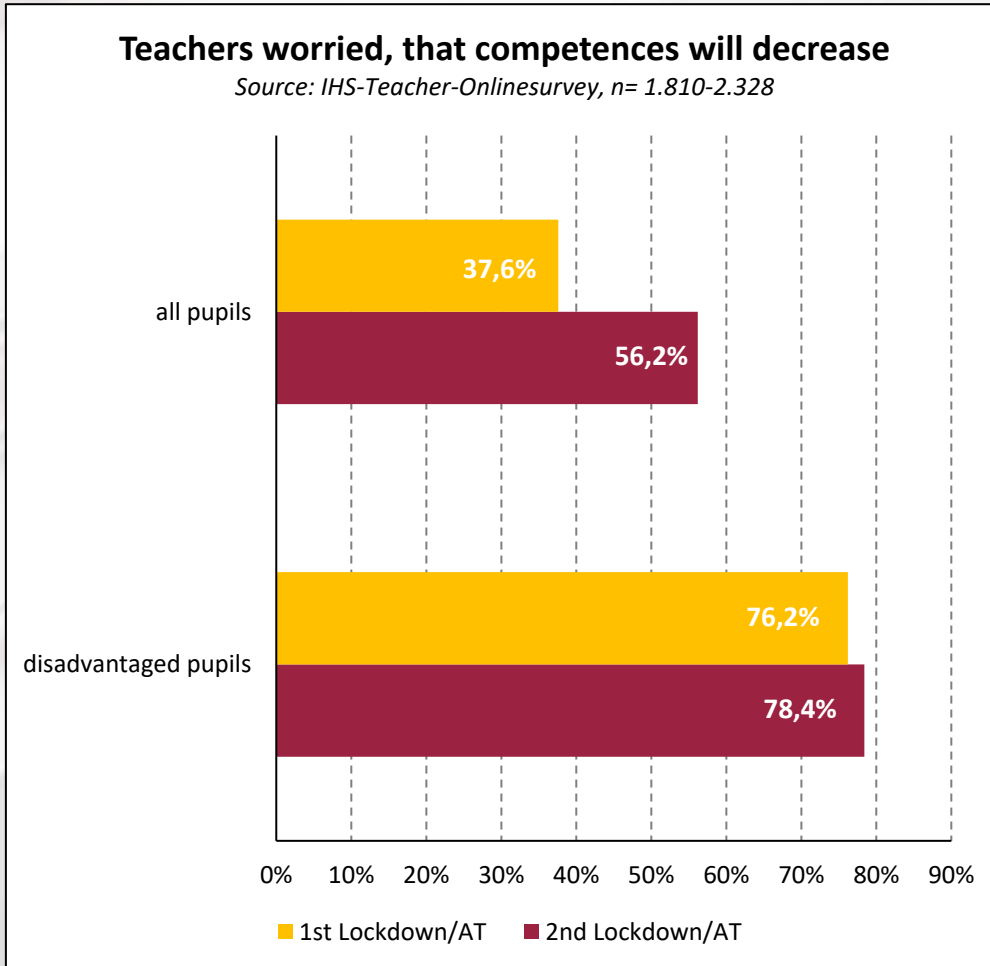


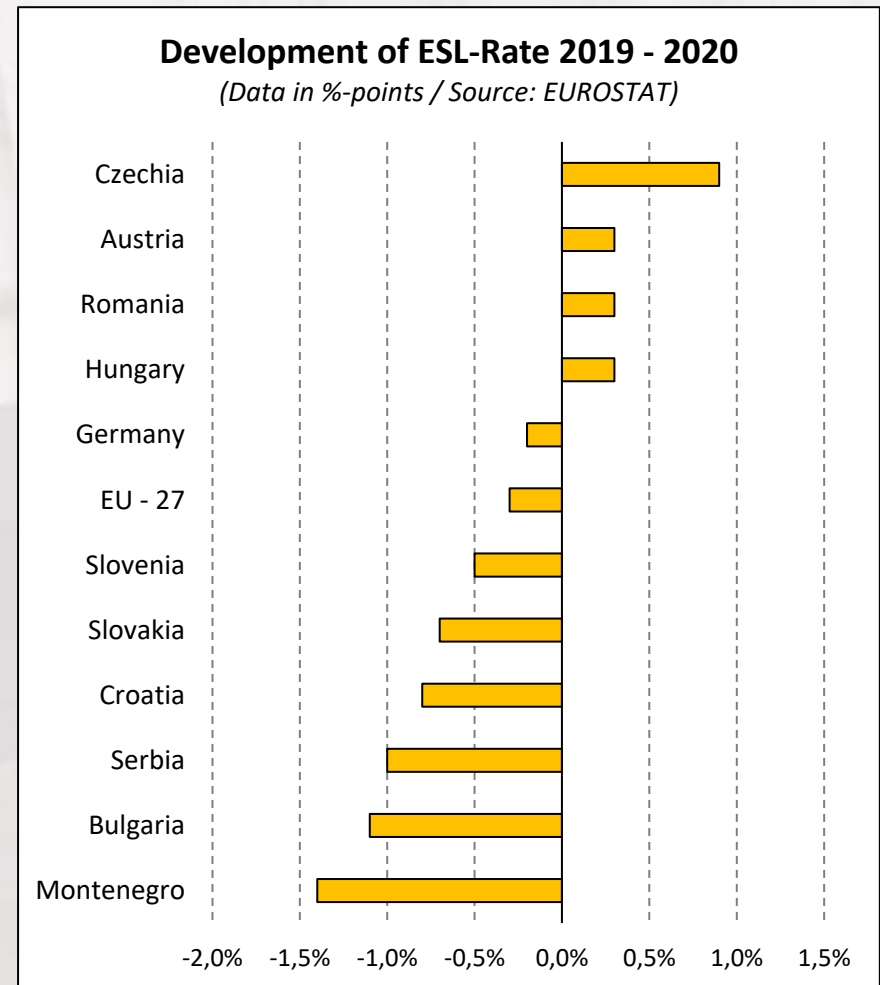
Figure 5: Harvest plot of the evidence on the effect of the pandemic on educational inequality. Each circle/square refers to one estimate of over-time change in inequality in math/reading performance. Estimates that find a decrease/no change/increase in inequality are grouped on the left/middle/right. Within these categories, estimates are ordered horizontally by grade level. Shading indicates when in the pandemic measure was taken.

Source: Betthäuser B., Bach-Mortensen A., Engzell P. (2022): A systematic review and meta-analysis of the impact of the COVID-19 pandemic on learning. SocArXiv, p.5.

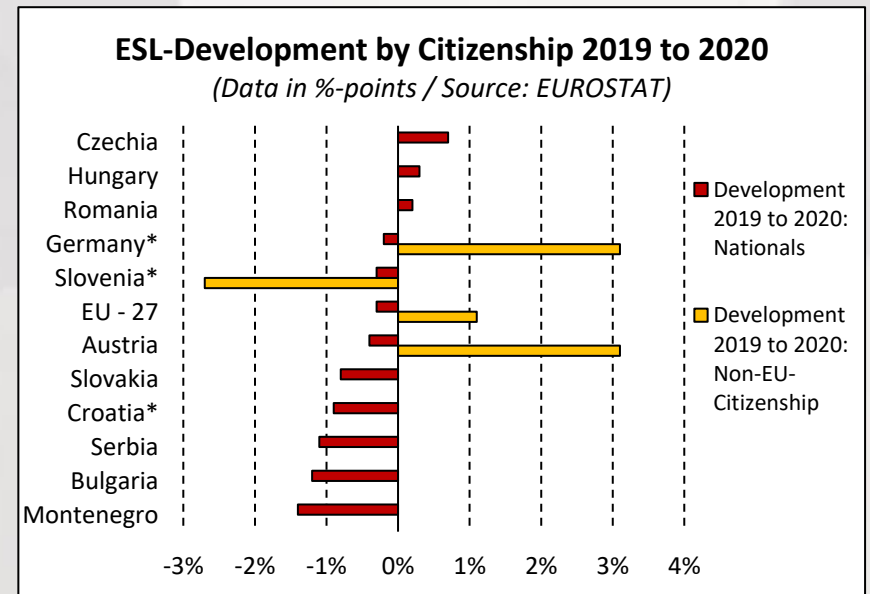
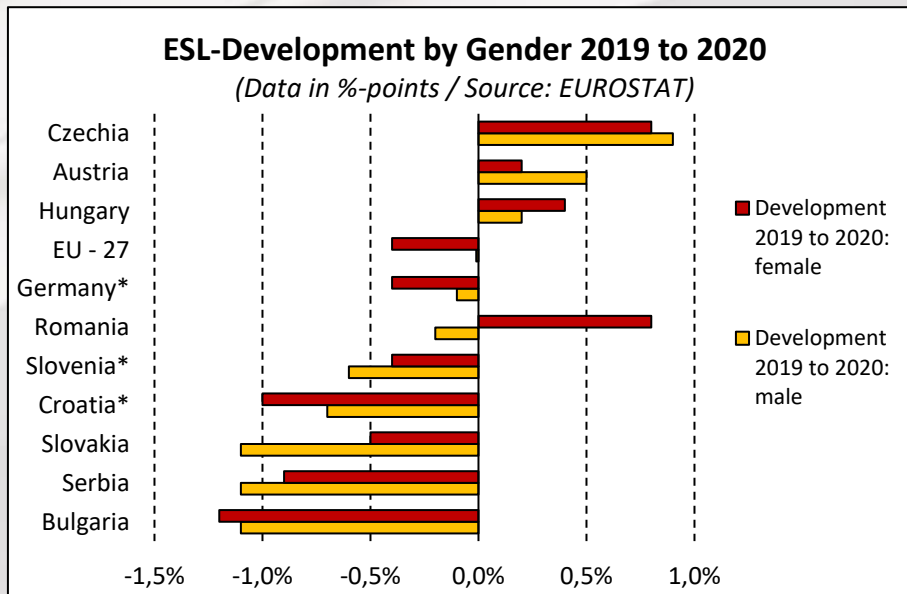
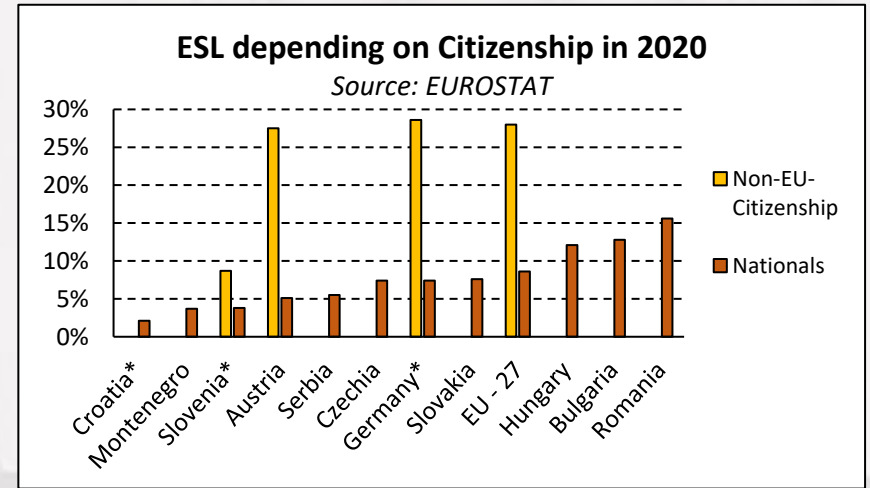
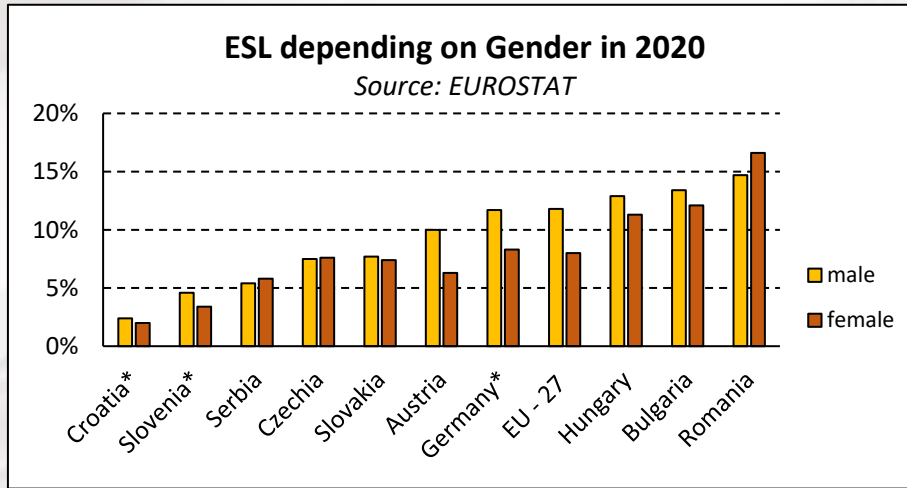
# 1c) Educational Impact: Careers

## ❖ Mixed Evidence from Austria

- Tendency for reduced drop-out from educational tracks which pupils entered before the pandemic.
- Severe difficulties for those at the transition from lower to upper secondary education during pandemic, 5% of cohort lost to ESL?



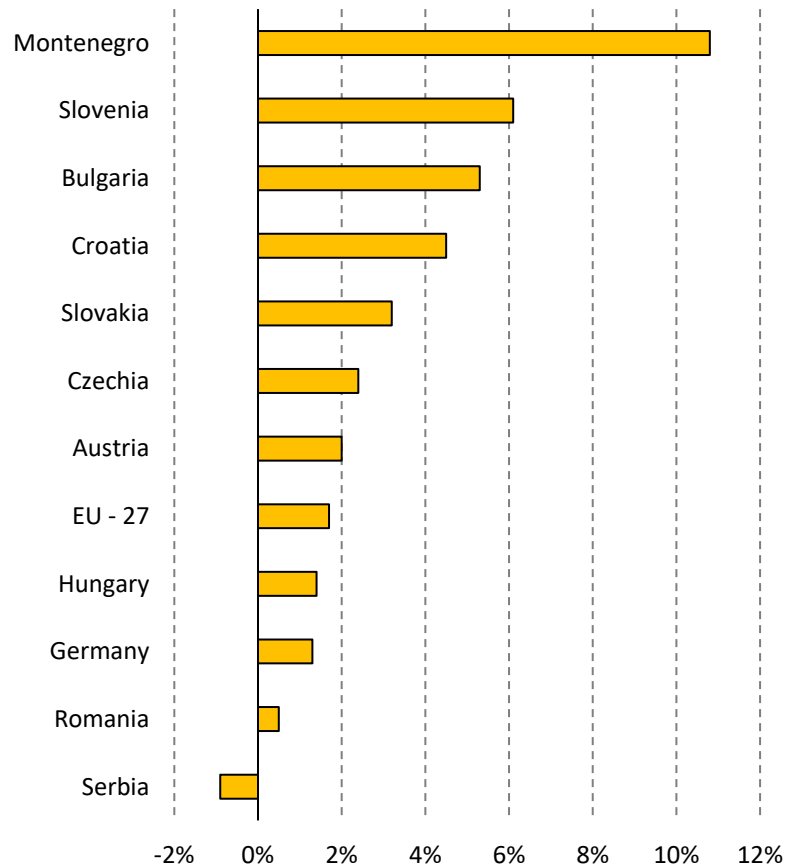
# 1c) Educational Impact: Careers II



## 2a) Employment Impact: Unemployment (15-24y)

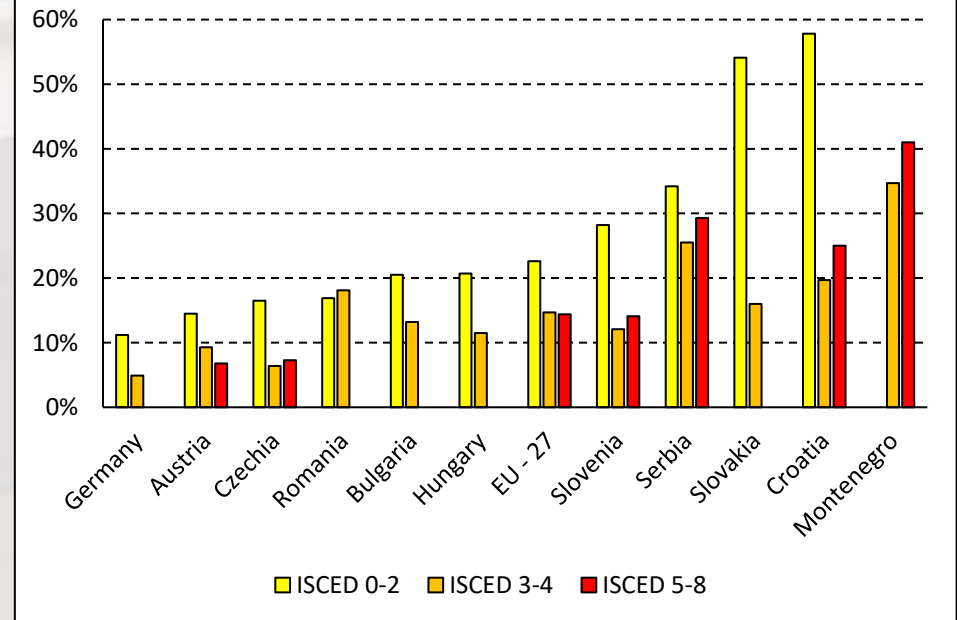
**Development of Youth-Unemployment-Rate 2019 – 2020 (in %-points)**

Source: EUROSTAT

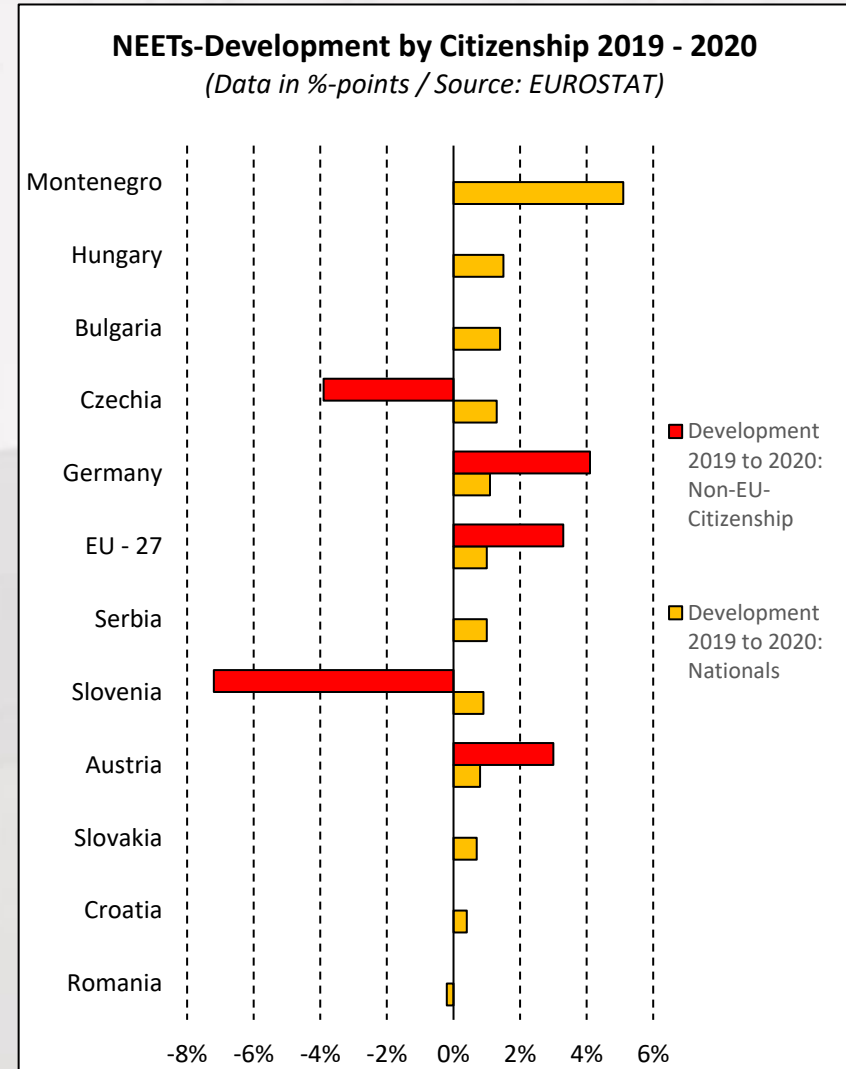
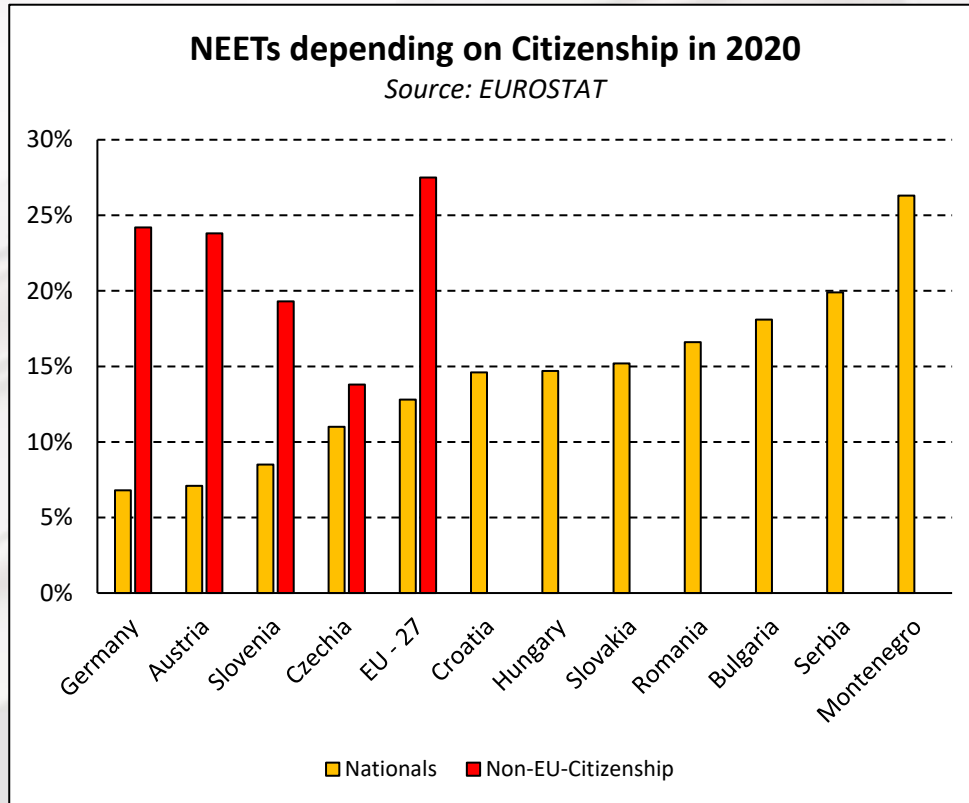


**Youth-Unemployment-Rate depending on Educational-Level 2020**

Source: EUROSTAT



## 2b) Employment Impact: NEETs (15-29y)

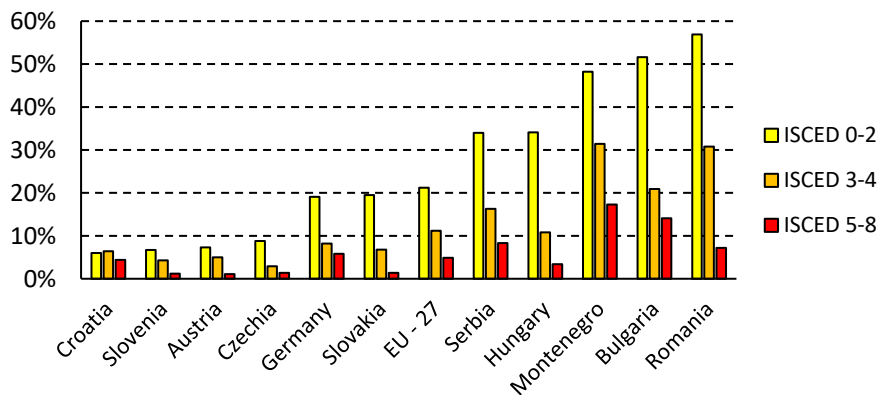




# 3a) Economic Impact: Deprivation of youth (16-29y)

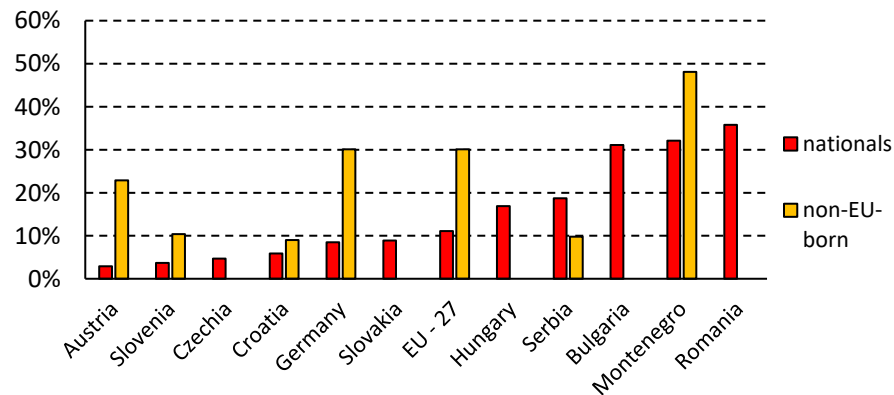
**Material & Social Deprivation by Educational-Level 2020**

Source: EUROSTAT



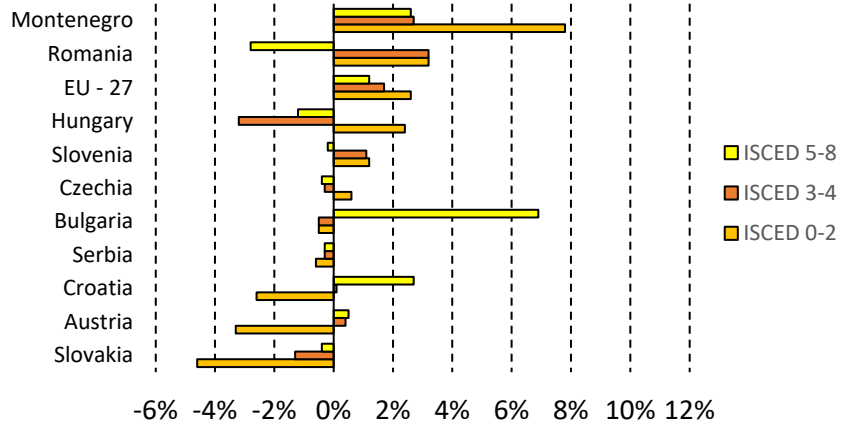
**Material & Social Deprivation by Birth-Country 2020**

Source: EUROSTAT



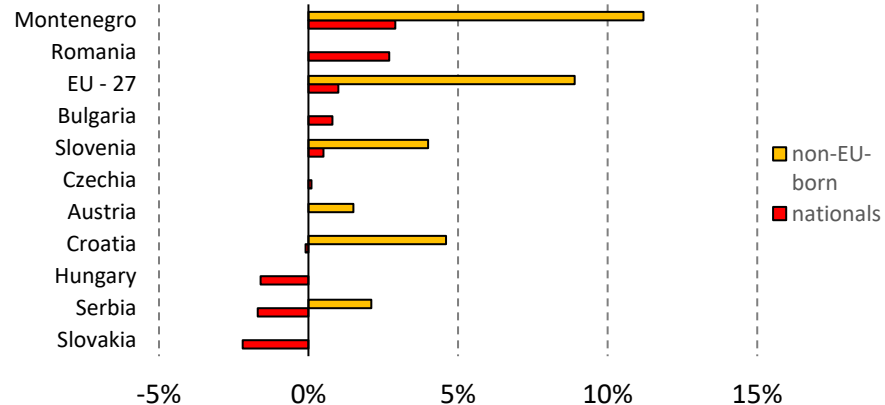
**Development of Material and Social Deprivation by Educational-Level 2019 – 2020 (in %-points)**

Source: EUROSTAT

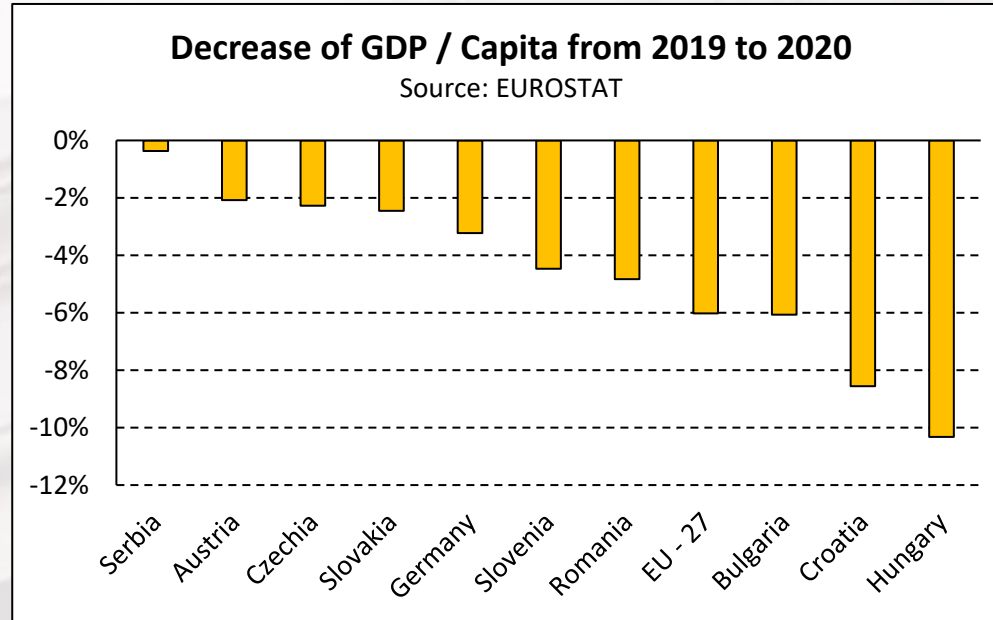


**Development of Material & Social Deprivation by Birth-Country 2019 – 2020 (in %-points)**

Source: EUROSTAT



## 3b) Economic Impact: Macro-Economic-Effects



### ❖ Educational Costs for Individuals & Society

- Decrease in prospect income of pupils 2 billion per month of school-closure (Kocher/Steiner, 2020)<sup>1</sup>,
- Future gross domestic product reduced by 1,1% if schools close a quarter of a school-year (Hanushek/Wössmann, 2020)<sup>2</sup>.

1) Kocher, Martin G. and Steiner, Mario (2020): Kosten von Schulschließungen zur Pandemiebekämpfung. IHS Policy Brief 20, 19 p.

2) Hanushek, E. and L. Woessmann (2020): The economic impacts of learning losses, OECD Education Working Papers, No. 225, OECD Publishing, Paris

## 4) Summary & Conclusions:

### ❖ Summary:

- We witness effects on competences and educational careers
  - Labor-market-integration declines
  - Material and social deprivation rises
  - Social differences grow even further: those disadvantaged before are even more effected by impacts of pandemic
- ❖ Because of these severe consequences school closure within the repertoire of policy measures to fight pandemic should be implemented as ultima ratio only!
- ❖ Mixture of interventions needed
- Short term measures
  - Strengthening resilience of educational systems

## 4) Conclusions: Interventions

### ❖ Short Term Measures:

- Guidance at transition,
- Coaching and active integration strategy for drop-outs, ESL & unemployed youth
- Increase Support Structures in Schools (social work, school-psychology, ...) to allow teachers to concentrate on pedagogics/didactics.

### ❖ Strengthen resilience of educational system:

- Improve Digitalization
  - Hardware & digital competences & didactics
  - Pay attention to digital divide
- Empower Main Actors
  - Train pupil's capability of independent learning and implement less teacher-centered didactics
  - Strengthening autonomy of teachers and schools enabling them to find individual solutions



Source: <https://tenor.com/view/ukraine-peace-stand-with-ukraine-flag-dove-gif-25153420>

Thank you  
for your  
attention!

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