11th International Conference on Sustainable Development 2023

Snapshot about the SDG relevance of the Hungarian ICT SMEs' activities



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OUTLINE

- Introduction
- Material and methods
- Overview of the addressed challenges and sustainability aspects
- Sustainability and digital transition in the era of climate change
- Survey results
- Conclusion and recommendation



INTRODUCTION

- Sustainability climate change
- Sectoral and regional contexts for adaptation
- Digital transformation and sustainability transition
- Framework for climate innovation efforts
- Local responses to challenges
- Challenge-based planning



Szalmáné Csete – Barna (2021) https://www.inderscienceonline.com/doi/epdf/10.1504/IJGW.2021.119007

INTERRELATIONS BETWEEN SUSTAINABILITY, DIGITALIZATION AND CLIMATE CHANGE

- SD digitalization processes and developments serving sustainability;
- SC sustainable and climate-oriented processes and developments;
- CD climate-oriented digitalization processes and developments;
- SCD climate-oriented digitalization processes and developments were serving sustainability



Szalmáné Csete (2022) http://real.mtak.hu/150336/

CLIMATE INNOVATIONS SUPPORTING SUSTAINABILITY TRANSITION?

- Management methods
- Indicator-based assessments, measurability
- Sustainability impact assessment
- Climate innovation potential matrix
- Document analysis, questionnaire surveys
- LISA model, statistical analysis



DIGITALISATION AND SUSTAINABILITY Digitalisation and Climate Change among ICT SMEs in Hungary (2022)

- Questionnaire development, focus topics, main research questions
- ICT SMEs, main activity, headquarters, annual turnover, ownership structure, number of employees,
- NACE (Statistical Classification of Economic Activities in the European Community, 2008 (Nomenclature des activités économiques dans les Communautés européennes))
- Small and medium sized enterprises (micro no)
- Representativeness regional proportions
- n=100

How do you think digitalisation solutions can contribute to the sustainability transition?



Do the innovative solutions and digitalisation-related developments of your company affect or help vulnerable social groups (e.g. elderly, children, sick, disadvantaged, etc.)?



NUTS 1 level

Which of the **UN Sustainable** Development Goals (SDGs) do you think digitalisation can contribute to achieving?



Which UN SDG can your business's innovative solutions and digitalisationrelated developments help to achieve?

SDG 9	SDG 17	SDG 12			SDG 3		3
		SDG 13		SDG 5		SI	DG 7
SDG 8	SDG 11						
		SDG 15			SDG 1		SDG 16
SDG 4	SDG 10	SDG 6			SDG 14		SDG 2

Are any of your company's innovative solutions and digitalisation-related developments specifically related to climate change?



To which climate change related category belongs your innovative solution?



CONCLUSIONS

Climate-smart solutions can support the achievement of the sustainability transition goals. Climate innovation is an innovation that has the potential to mitigate the negative impacts of climate change at some level and/or improve the efficiency of preparing for the expected impacts.

Climate innovation can reduce the vulnerability of some affected social groups.

Digitalisation can also be seen as a means of closing open chains that can influence the achievement of future common goals. Digital transformation can help to adapt effectively and prepare for the expected impacts, both through sectoral and regional solutions.

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THANKS FOR YOUR ATTENTION!

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https://weather.com/en-IN/india/climatechange/news/2021-11-15-arunachal-pradeshtackles-climate-change-with-pakke-2047



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