



EMEC23

From sustainable, through suitable to smart development

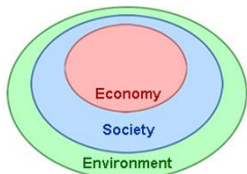
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SUSTAINABLE DEVELOPMENT

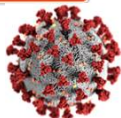


Sustainable development is an approach to economic, social, and environmental progress that seeks to meet the needs of the present without compromising the ability of future generations to meet their own needs.



Everything written today is not valid tomorrow, and maybe not even in the next few hours! Events exceed the capabilities of real-time processing, analysis and reaction!? Is this so, or can an AI with limited rigidity quickly process, predict, propose and provide solutions that we will be satisfied or forced to accept in the extortion of time and events that lead us to the finished act and on the verge of slipping and /or we cut?!

SUITABLE DEVELOPMENT



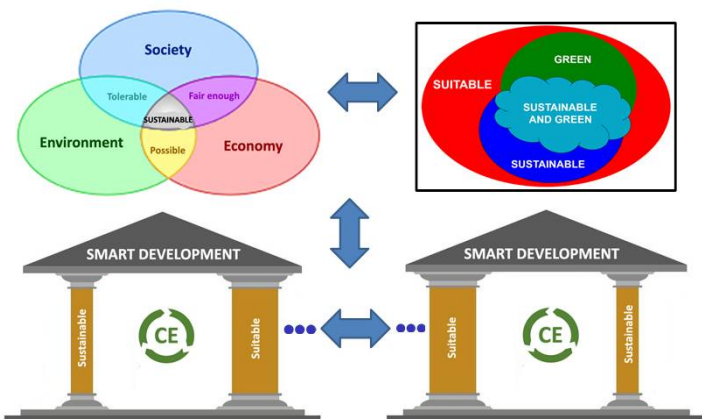
RESPIRATORY SYNCYTIAL VIRUS INFECTION (RSV)



IT HAS BEEN SHOWN THAT SUSTAINABLE DEVELOPMENT (OUN, 2015) IS AN INSUFFICIENTLY GROUNDED AND IDEALISTIC CONCEPT, SO THAT SUITABLE DEVELOPMENT (HORVÁTH, 2018) IS A MORE REALISTIC TRANSITIONAL FRAMEWORK. MORE APPROPRIATE, THOUGH, NOT ONLY FOR THE CURRENT SITUATION REGARDING THE WASTE AND PRODUCTION STREAMS FOR CONSUMER AND MODERN CIVILIZATIONS, BUT AS AN APPROACH TO WHICH *HOMO SAPIENS* SHOULD ADJUST IS: SMART DEVELOPMENT (VRVIĆ, 2022).

SMART DEVELOPMENT

POSSIBLE SCHEMATIC PRESENTATION OF THE SMART DEVELOPMENT CONCEPT (Vrvic, 2023)



Dynamic system like qu-bites (0 to 1, and vice versa) on macro level!

Ultimately, the journey culminates in smart development. Smart development leverages technology and big data to optimize resource management, enhance monitoring and remediation strategies, and develop predictive models for environmental changes. Advanced analytical techniques, such as different instrumental methods and, e.g. environmental sensors, allow for real-time data acquisition, creating a more connected and responsive approach to environmental issues.

References

- [1] M.M. Vrvic, S. Miletić, M. Pucarevic, *ACS Fall 2022 Conference-Sustainability in a Changing World*, Chicago, IL, USA, 2022, PAPER ID: 3750799.
- [2] I.T. Horváth (2018) *Chemical Reviews*, 118, 369–371.
- [3] M.Vrvic, in *New Technologies Development and Application VI (NT 2023)*, Vol. 2, I. Karabegovic et al. (Eds.), Basel (Switzerland), Springer Nature, 2023, 205–219.
- [4] Anonymous (2023) *Nature*, 618, 647.

Acknowledgement

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