

IMPACT OF CIRCULAR **VŠEM** ECONOMY CHALLENGES ON BUSINESS SECTOR

Silvia MATÚŠOVÁ, PhD.



prof. Michal FABUŠ, PhD.

Marián Kováč, PhD.



IMPACT OF CIRCULAR ECONOMY CHALLENGES ON BUSINESS SECTOR

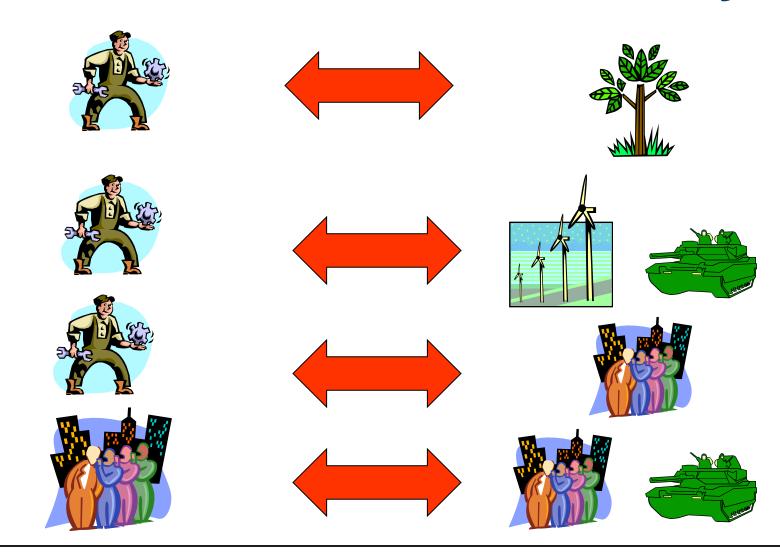


Circular Society Challenges in the Economy 4.0

- Project of the Bratislava University of Economics and Management, financed from the Norway grant mechanism and co-financed from the Slovak Republic state budget, registered as BIN SGS02_2021_011, is built on the long-term continuous improvement of the university educational process with a connection to practice.
- More information about the project:

https://www.cscheco40.eu/en/

Contradictions of humanity





Imbalance conditions

Huricane Sandy

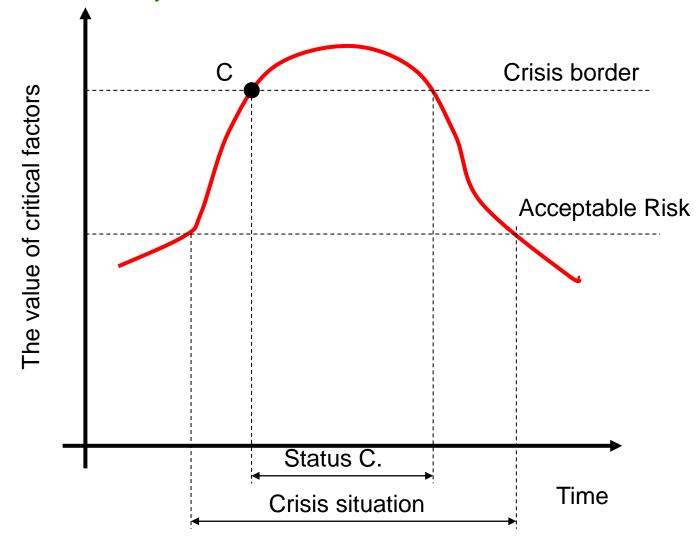


Huricane Sandy





Mutual Relation – Crisis, Crisis Situation, Crisis Status





Current world population: 8 000 976 921.

Number of births this year: 118 830 840

Born today: 258 729

Deaths this year: 59 504 918

Deaths today: 129 559

Net increase in world population this year: 59 325 923

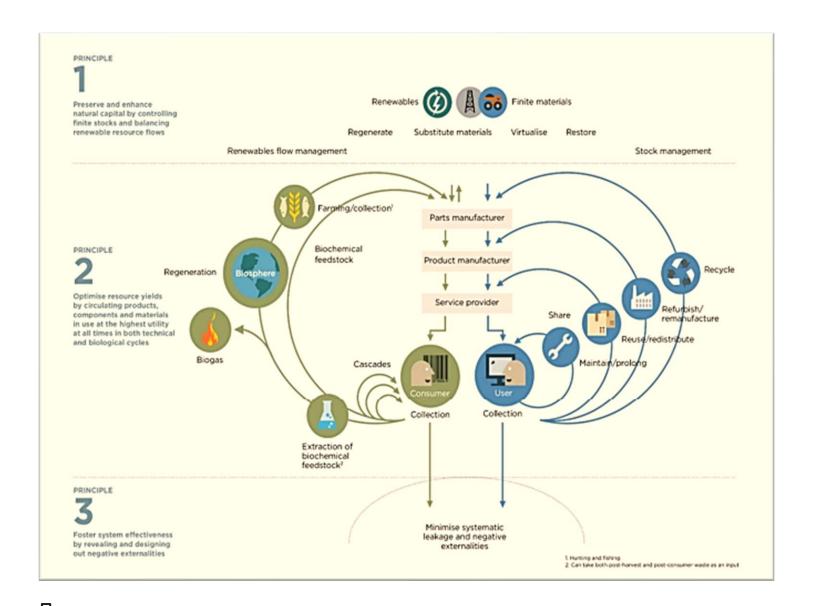
Circular economy is and "industrial system, the essence of which is the achievement of the ability to renew, or regeneration."

The concept of "end of life" is replaced by the concept of renewal.



The circular economy thus brings new business opportunities and the creation of jobs, while at the same time creating positive benefits for the environment through better use of materials and energy.

The essence of the circular economy is the consideration of social costs in economic equations and the subsequent identification and application of effective and efficient tools and approaches in the technical solution, production, use and removal of products.



Ellen MacArthur

Foundatio n



- 1 Materials are in circulation at a constantly high value
 - 2. Energy is based on renewable sources
 - 3. Biodiversity is supported and increased by human activity

SEVEN PILLARS
OF THE CIRCULAR
ECONOMY

4. Human society and culture remain preserved

5. The health and well-being of humanity and other species are supported structurally

- 6. Human activities maximize the creation of social value
- 7. Water resources are obtained and circulated in a sustainable manner

The circular economy risks

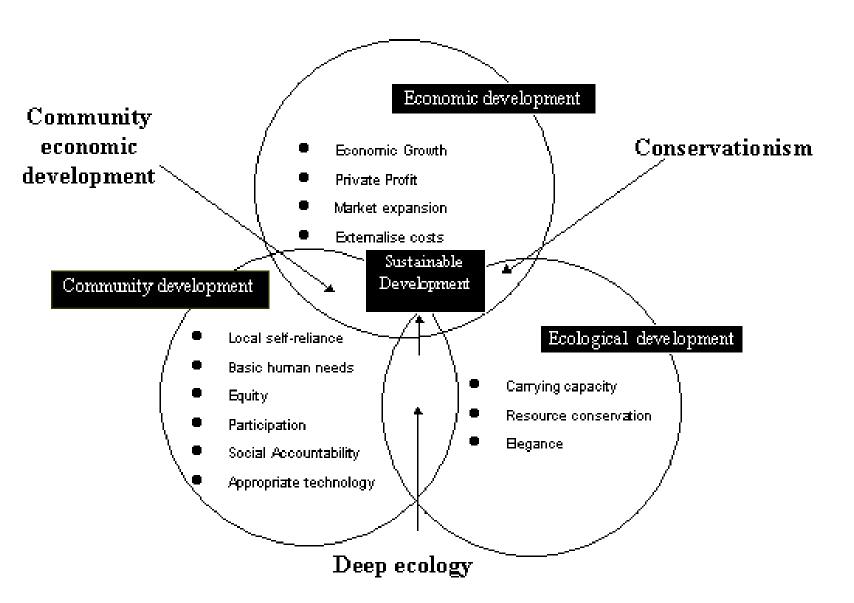
The principle of circularity is connected with many issues that have only been outlined so far, such as

The current emergence of the terms circular economy and circular economics does not yet mean whether they will be reflected in economic science and economic practice.

- the markets of secondary raw materials,
- the market price for waste,
- the needs of participants in economic processes,
- the question of profit and reward,
- the economic advantage of processing and recycling, and so on.

The key research question is not only whether the circular economy will become a significant or even the main current of economic thinking in the future, but also how we prepare for that future.





The overlapping zones of interest within the weak interpretation of sustainable development represented by €cological modernisation (Pinfield 1997)



Early warnin system

Crisis symptoms = various intensity changes

Early registration of changes

Rapid information transfer

Identification, Analysis and Evaluation of changes (Crisis scenario)

Taking a decision – to identify the causes and to take the necessary measures



Indicators of Changes

Acute phase

Definite financial measures



profit decrease /

problems with liquidity





Indicators of Changes

- Latent phase quantification problems:
- Changes in internal corporate culture
- Changes in workplace relationship
- Organizational changes
- Soft (weak) signals qualitative

(workplace, employees behaviour, ... way of acting of superdinars, customers behaviour)



EWS - signal

EWS – is a dynamic system in relation to other corporate processes

Investigation of development trends in relation to corporate dynamics

Tredn + or -?

How does a trend affect other trends and what are the links and dependencies among them?



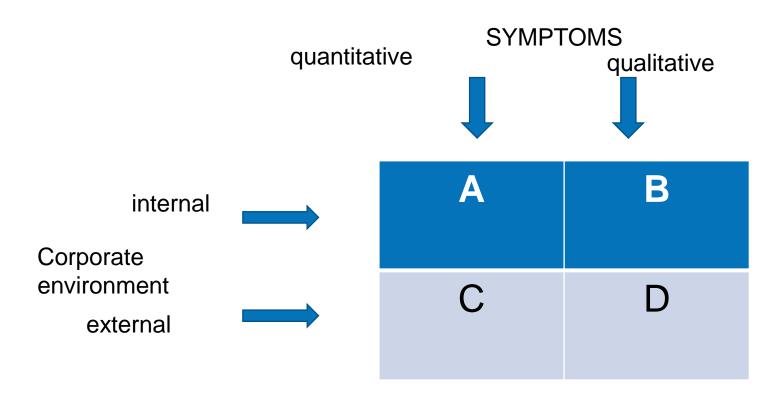


Interaction of several negative trends can lead to financial quantitative manifestations such as loss or are reflected in cash flow



Identification of elements within the internal and external environment of the company is the basis for their involvement into EWS

EWS Structure



Source: Zuzák, R., Konigová, M. 2009. Corporate Crisis Management



Segment A

- The quantitative data inside the company reflect the past
- Not just to monitor the indicator, also to control how the results are used
- Crises of key processes
- To identify the key processes and their weak points

Segment B

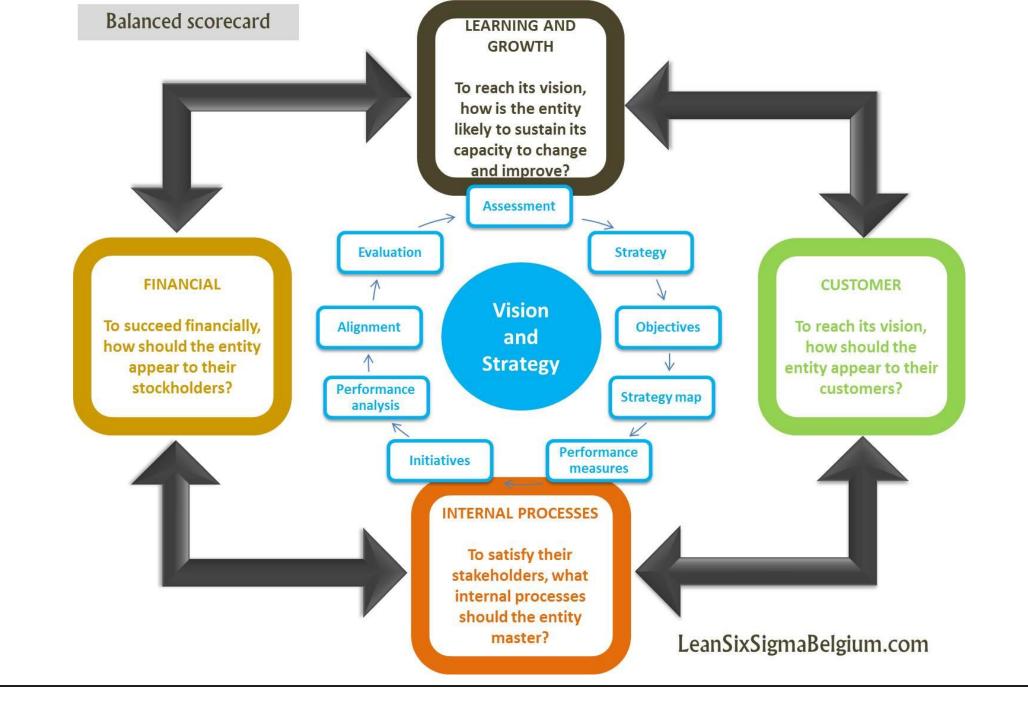
Qualitative data only

Changes as a react on external factors

Better to be identify on the operative level

Result of workplace problems





Additional perspective of crisis preparadness



What goals for our potentials should we set to respond to current and future challenges



Sources:



Employees, knowledge, innovation, creativity, technology, information and information systems



To create preconditions for managing future changes and increase adaptability



THANK YOU FOR YOUR ATTENTION

