



Energy Transition - inter-disciplinary innovations

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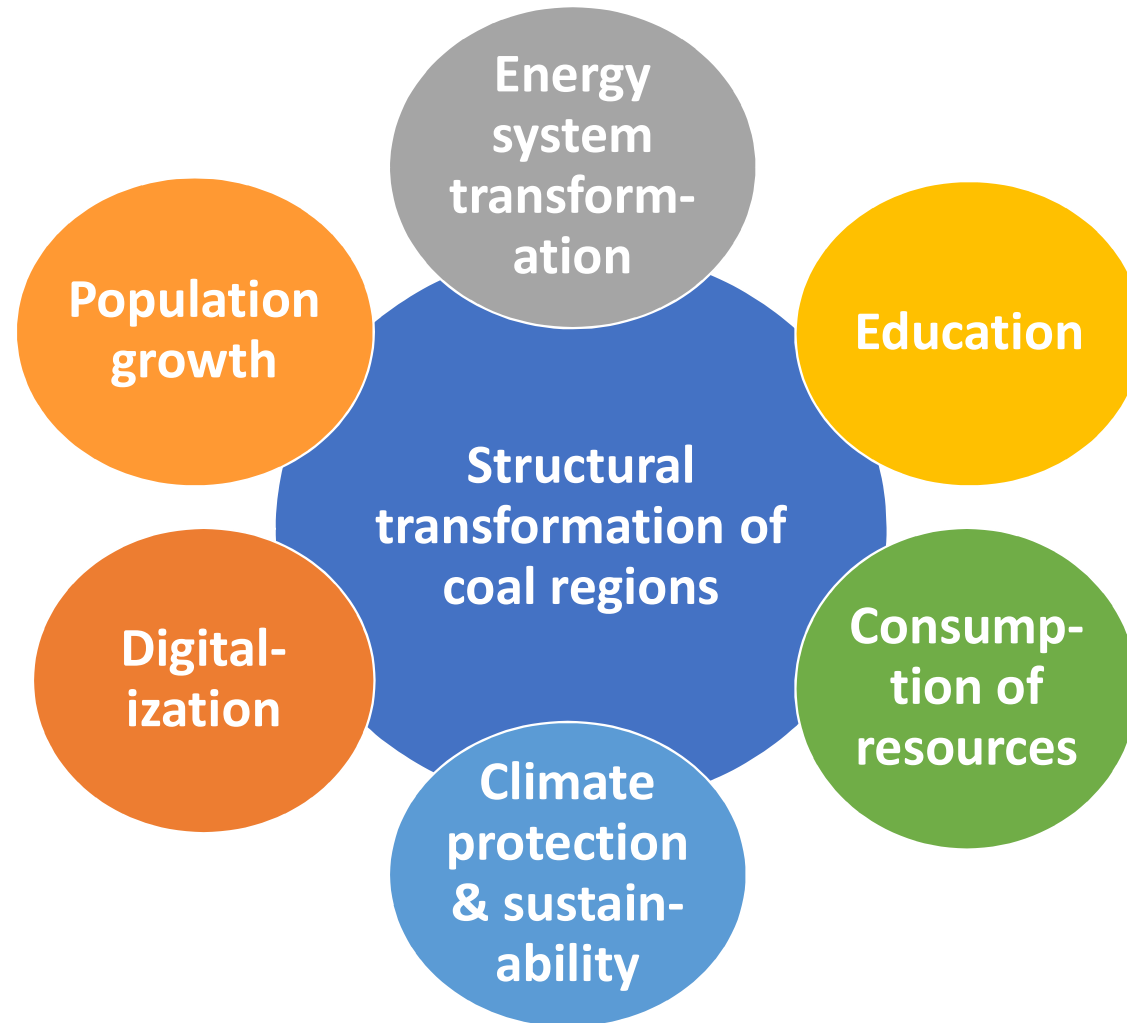
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- Global challenges/Regional challenges
- Solution - Big troubles – Big opportunities
- Potential:
 - Young people, Accelerating gender equality and diversity in clean energy transitions
 - Technical equipment
 - Willingness to cooperate
- Smart cities/Society 5.0 --> Smart people
- Technology + Management + Data mining
- [European Digital Innovation Hub Ostrava](#)

Challenges for the future

Global and national challenges

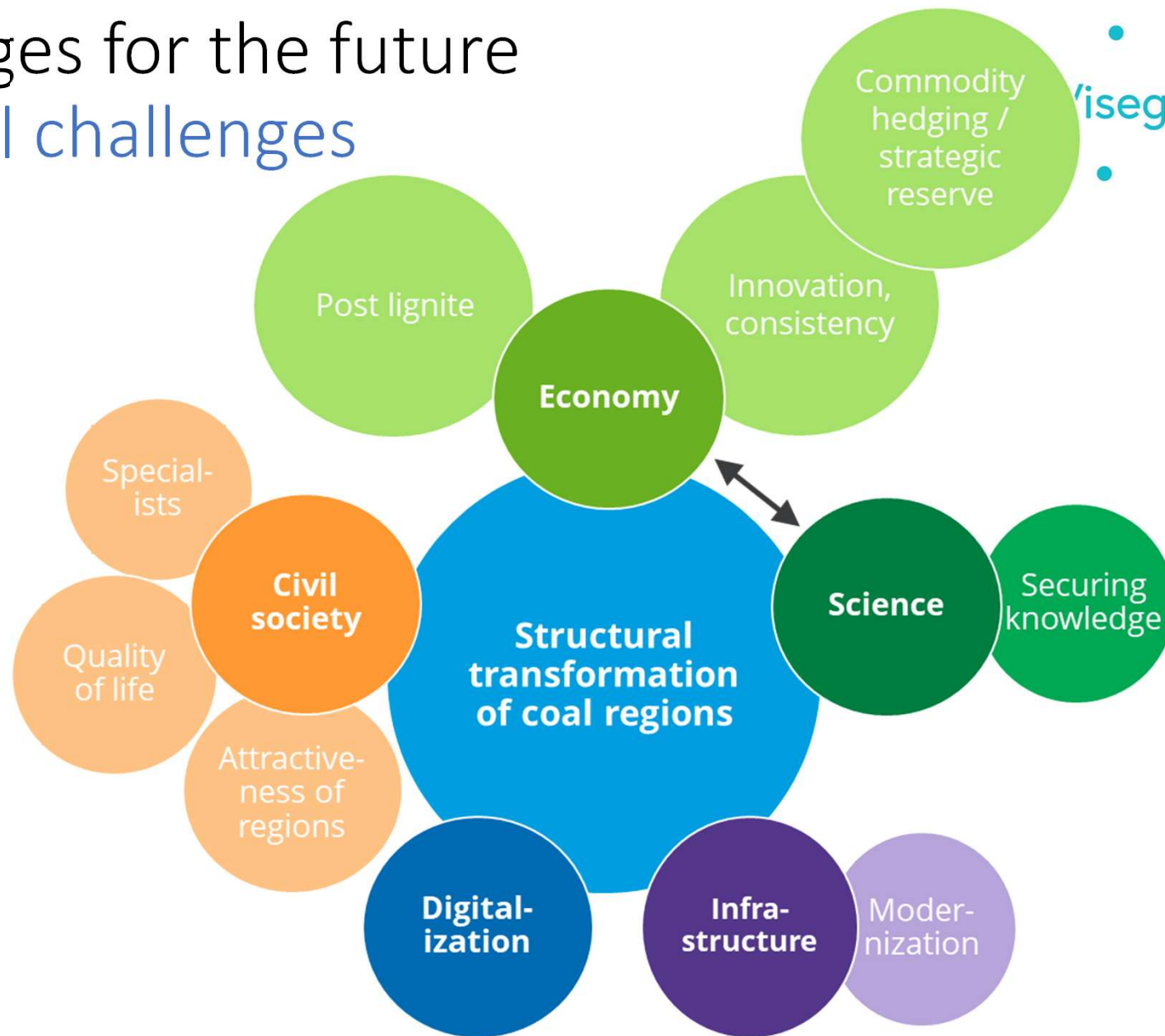
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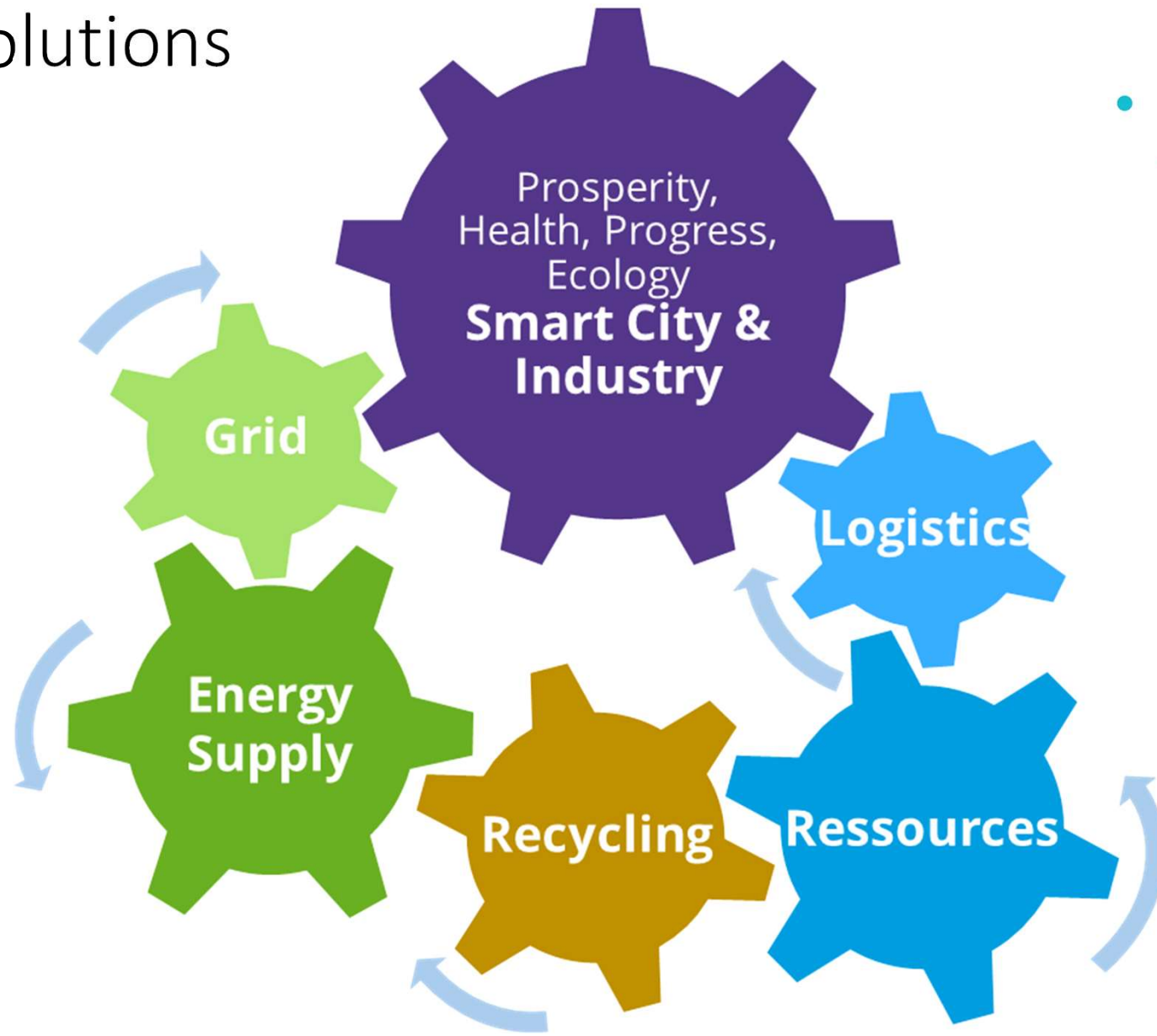
Challenges for the future

Regional challenges

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Solutions



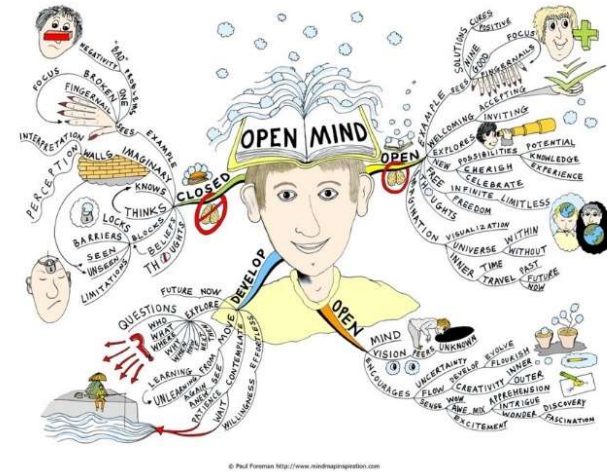
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Sustainable Cities and Communities (**SCC**) Offer of TU Ostrava

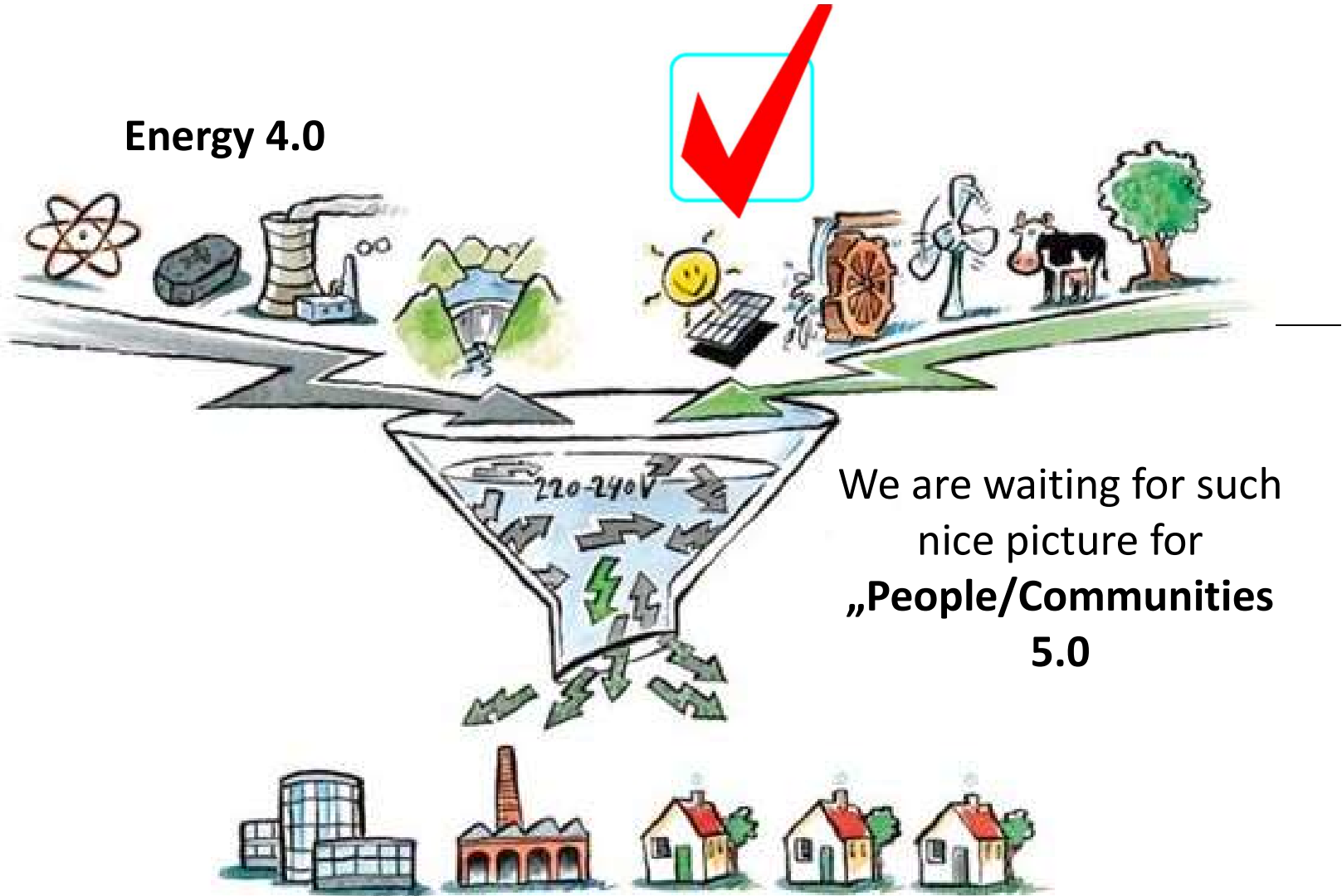
- Cities and Consumption
 - Recultivation
 - Harmful emission
 - **People**
- Energy transition and Circularity
 - Datamining
 - Accumulation
 - Fuel base changing for Heat and Electricity
- [SMARAGD](#) ... from heavy industry to smart technologies
- [Construction of CPIT TL3 and installation of new technology](#)

Summary – New challenges

- **Legislation/Collaboration/Support**
- Open mind, Learning from neighbors (good and bad experience) capacity, location, product utilization
- People motivation, their Potential mining
- Electricity/Heat supply
- New „ways“ of Digitalization using
- **Mining the Antroposphere**
-



Energy 4.0



We are waiting for such
nice picture for
**„People/Communities
5.0**



Thank you for your attention

דאנק איר פֿאַר דיין ופּמערקזאַמקייט

Děkuji za pozornost

谢谢你的关注

Gracias por su atención

Grazie per la tua attenzione

Vielen Dank für Ihre Aufmerksamkeit

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