

UNICA Rectors Seminar

Session 3 - The future relevance of Higher Education for society

19 November 2020

Universities and Society 5.0

*Igor Papič, Rector
University of Ljubljana*

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University of Ljubljana

- Comprehensive, research oriented University
- **38.000** students
- **6.000** employees

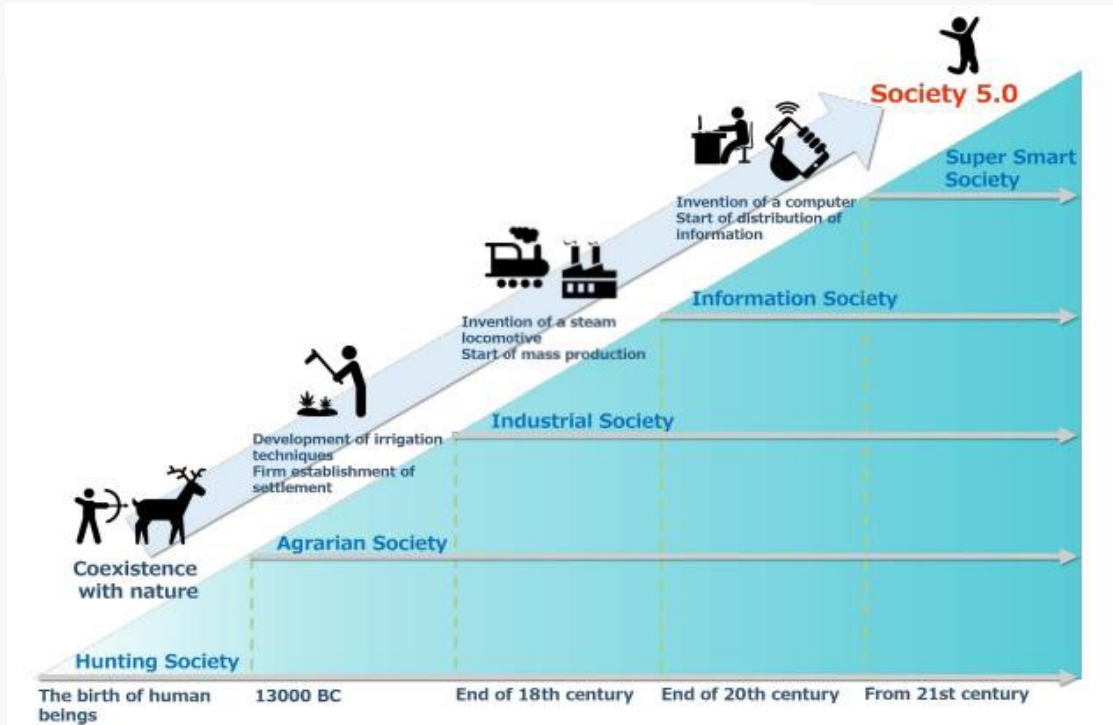


University of Ljubljana

- Established in **1919** with **5** member faculties
- At present the University of Ljubljana consists of **23** faculties and **3** arts academies
- **Study fields:** Art, Fine Arts, Natural Science, Technology and Engineering, Social Sciences, Humanities, Medicine, Health Sciences, Sport



What is Society 5.0



What is Society 5.0

- From **Industry 4.0** to **Society 5.0**
- Originally the big societal transformation plan
- Digital society for ageing population
- European version – **Society 2050**
- Emphasis is on Sociology
- **Social Sciences and Humanities (SSH)** will play crucial role in the future technological development



What is Society 5.0

- Development of new products and services
- Balanced approach of several disciplines:
 - **Technology**
 - Design
 - Economy
 - Legislation
 - **Sociology**



New European Research Area

The Communication defines four strategic objectives:

- 1. Prioritize investments and reforms in research and innovation** towards the green and digital transition, to support Europe's recovery and increase competitiveness.
- 2. Improve access to excellent facilities and infrastructures** for researchers across the EU.
- 3. Transfer results to the economy** to boost business investments and market uptake of research output, as well as foster EU competitiveness and leadership in the global technological setting.
- 4. Strengthen mobility of researchers and free flow of knowledge and technology**, through greater cooperation among Member States, to ensure that everyone benefits from research and its results.

New European Research Area

The EU and Member States will shape the new European Research Area through 14 actions:

...

5. Develop common **industrial technology roadmaps** to maximize innovation in strategic areas like Artificial Intelligence, circular industries and resilient health industries.

6. Develop and test a **networking framework in support of Europe's research and innovation ecosystems**, building on existing capacities, to strengthen excellence and maximize the value of knowledge creation, circulation and use.

7. Update and develop guiding principles for **creating value from knowledge** and a code of practice for the smart use of intellectual property.

...

New European Research Area

The EU and Member States will shape the new European Research Area through 14 actions:

...

10. Support the creation of **world-class research infrastructures** and establish an updated governance structure for research and **technological infrastructures**.

...

13. Organize **citizen science campaigns** and hackathons to engage citizens, especially young people, in science and innovation..

14. Develop with Member States a new approach to set and implement strategic priorities for the European Research Area, through a **Pact for Research and Innovation in Europe**.

Towards 2030 Vision on the Future of Universities in Europe

This document sets out the study report to enable universities in Europe to move towards a potential 2030 Vision for the future in the field of **research and innovation (R&I)**.

As central anchors within society, through their R&I and broader missions, **universities have a crucial role to play in the identification of the problems, challenges and solutions of society** today, and in the future.

Defines a core set of needs, standards and goals for the **transformation of universities in the fields of research and innovation**.

Towards 2030 Vision on the Future of Universities in Europe

Transformation modules (TM) in the field of research and innovation:

...

TM3 - A strategic European Research and Innovation agenda: the central role of universities as research actors.

...

TM5: Fostering **increased knowledge transfer** and collaboration between academia and non-academic sectors.

TM6: Knowledge-driven universities in the context of digital changes – the transition to open science (through FAIR and open data), open access and open education.

TM7: Optimizing universities' role in **research infrastructures**.

Knowledge Transfer

– University 5.0

- Comprehensive, research oriented University cover different fields of Science
- Knowledge Transfer is important strategic orientation
- Multidisciplinary approach enables comprehensive universities to transform to University 5.0, also in the field of Education and Research



Conclusions

- **Universities have a crucial role to play in the identification of the problems, challenges and solutions of society in the future**
- **Strategic documents are prepared – New ERA and Vision**
- **Social Sciences and Humanities (SSH) should importantly support future technological development**
- **After Industry 4.0 a new paradigm is coming – Society 5.0 or Society 2050**
- **Primarily comprehensive universities should adopt this approach – University 5.0**

Thank you for your attention!