

Unternehmen & Technologie
Plattform für Gesundheitstechnologie



Health Technology Hub Lower Austria Austria

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Science Meets Regions Digitalisation in Health Care



Europäische Union Investitionen in Wachstum & Beschäftigung. Österreich.



Lower Austria: in the heart of Europe



17 mio. inhabitants
within a radius of 300 km



400 km of common border with **Czech Republic** and **Slovakia**, close proximity to Hungary



Close to **Vienna** and **Bratislava**



The federal province of Lower Austria

19,177
km²

area



Lower Austria is Austria's largest federal province¹⁾

1.69
million

inhabitants



Lower Austria has 1.69 mio. inhabitants (18,9 % of Austria's population)²⁾

25,615,-
Euro

purchasing power



Lower Austria is the federal state with the highest purchasing power³⁾



Most livable country

In 2020 Austria took first place in the global “Quality of Life” ranking for the third time in a row. Lower Austria plays an important part in this. According to the IMD ranking, Lower Austria also placed first worldwide in terms of health infrastructure.⁴⁾

³ Sources: 1) Statistik Austria; 2) WKNÖ, November 2021; 3) RegioData Research GmbH: Kaufkraft Österreich – Ausgabe 2020; 4) IMD 2020 Talent Ranking

Business location Lower Austria



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109,000

companies
in Lower Austria



69,800 **SPE** (sole proprietor enterprises) ¹⁾
31,500 **Very small enterprises**
7,600 **Small and medium-sized businesses**
200 **Large companies** ²⁾

8,079

founders



Good soil for founders
In 2021, 8,079 new businesses were created in Lower Austria - every fifth founder chose Lower Austria as location for the new business. ³⁾

+ 3.7 %

increase in gross
regional product (GRP)



Comparison GRP / GDP

| 2022 ⁴⁾ | Lower A. | +3.7 % |
|--------------------|----------|--------|
| | Austria | +3.6 % |

636,544

employed
residents⁵⁾



Comparison of unemployment (2022)⁶⁾

| | |
|---------------|-------|
| Lower Austria | 6.0 % |
| Austria | 6.3 % |



ecoplus. The Business Agency of Lower Austria



Management:
Helmut Miernicki



Subsidiaries (selection):



riz up. The Start-Up Agency of Lower Austria



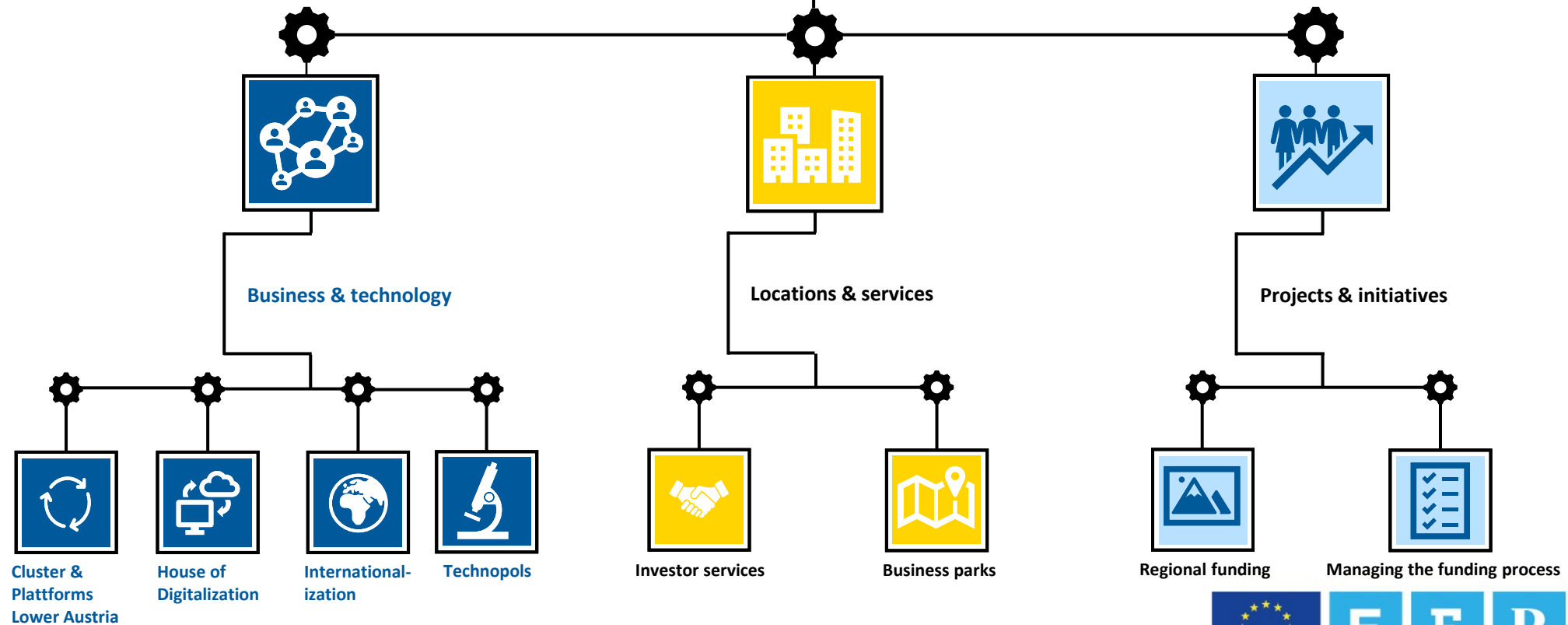
ecoplus Alpin GmbH



ecoplus Digital GmbH



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Europäische Union



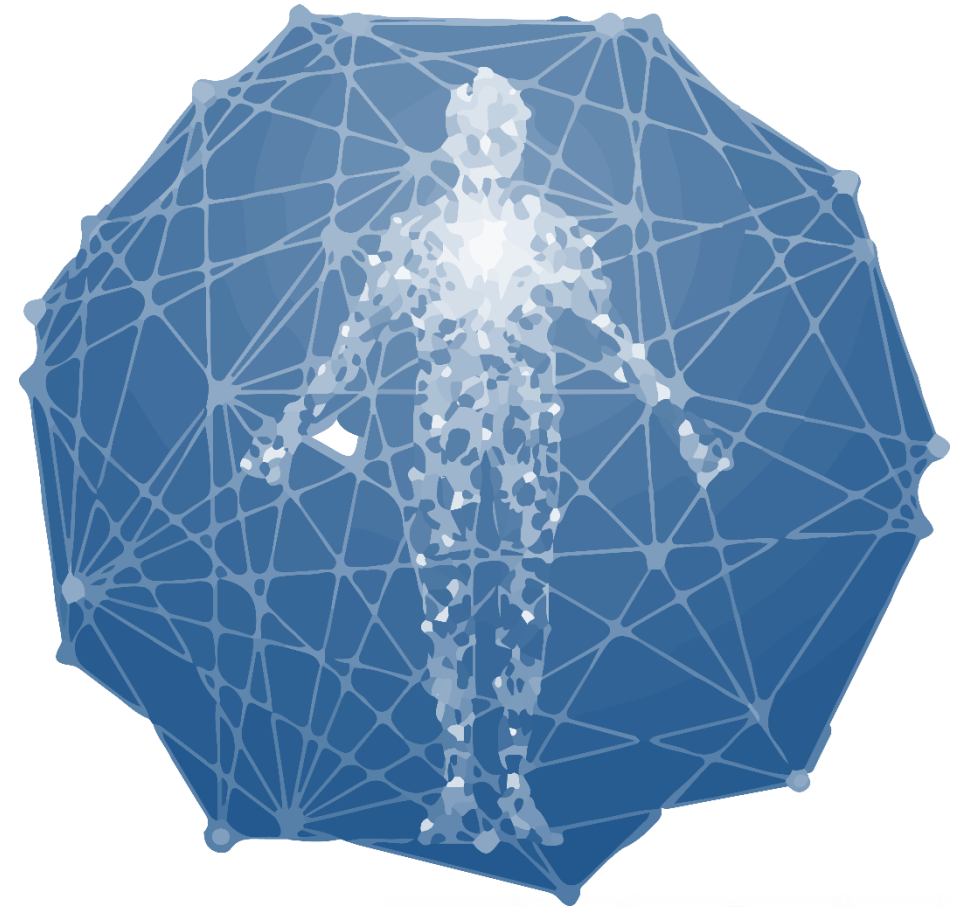
Investitionen in Wachstum & Beschäftigung. Österreich.

The Lower Austrian Health Technology HUB



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- Center of support and advice in any issue in health technology
- Contact & intermediate of Lower Austria's medtech & pharmaceutical community and for the health care providers
- Strategic partner for the *Lower Austrian Health Agency*: especially in identifying and supporting innovative projects
- Partner for the authorities in the aim for increasing resilience in medical devices & pharmaceutical industry
- Networker for researchers and producers



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Digitalization in Health

Best Practices

By working to strengthen the resilience of the health system

Health System Lower Austria – results of ongoing strategic development

- **One** Health Provider with 27 hospitals and 50 rehabilitation and nursery homes
 - 4 university hospitals – 2 Medical Universities
- rural provision with medical practitioners is difficult
- costs of health system are increasing
- level of medicine is extremely good
- holistic therapy concept,
- open for new technologies
 - Car-T- Cell Therapy
 - MedAustron [Home - Med Austron](#) - ion beam therapy – only one of 6 global centers
 - Large clinical research community
 - One clinical studies coordination center

Health Technology Venture Lower Austria

Industry Medtech, IVD & Pharmacy

(not included: suppliers of spare parts or components or consultants)

- ~ 400 companies are working in the health care system
- 80 companies are in research and production; e.g.: Boehringer, Pfizer, Fresenius, Takeda, ...
- 2 technopols (specialised technology hubs) focus on medical devices and pharmaceutical research
- IST Austria – Institute for Science & Technology - nucleus of spin offs e.g. Solgate, Valanx, Ribbon biolabs, Sacura, CellelectricBiosciences,....
- 4 medical & biotechnology universities for medicine & applied sciences

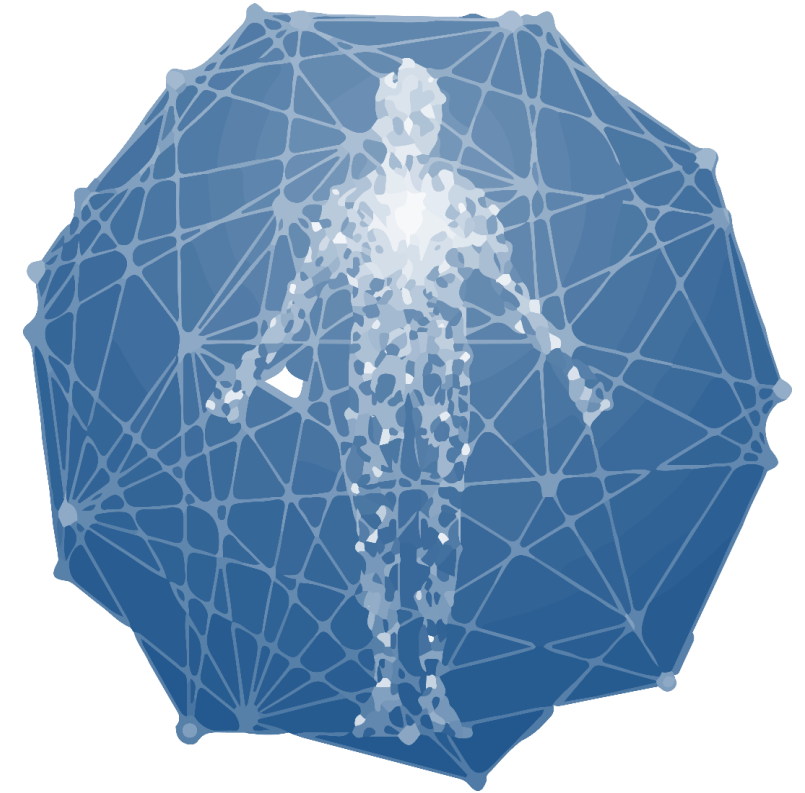
Development to Paperless Austrian Health Care System



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Extra– and Intramural Patient Management

- **ELGA** = electronic health records
 - e-medication
 - e-vaccination-pass
 - diagnostic findings
 - documentation
 - overview – for doctors
 - overview on providers of health services



Examples for In-house Digitalisation Lower Austria :

- **KISS** – Hospital Information System
- **OIS** – Oncology Information System
 - for ~7000 patients per year – now data of >65.000 cases

Austrian Health Technology Companies working electronically

In research & production intercourse and documentation is totally electronical

- process documentation
- In-house documentation
- contact to authorities :
 - registration BASG / EMA
 - Notified Body
 - audits

Strategy for future is mainly the integration of software tools and further improvement of tools, including security

Lower Austrian Health Technology Ventures

Objectives of present developments

- smart health technologies
- reduction of health costs
- Improvement of supply-process
- patient centricity
- patient outcomes
- health at home – home therapy – AAL
- Coordination center for Clinical Studies Lower Austria
- **prevention**

Digital Health Initiatives Lower Austria

Projects

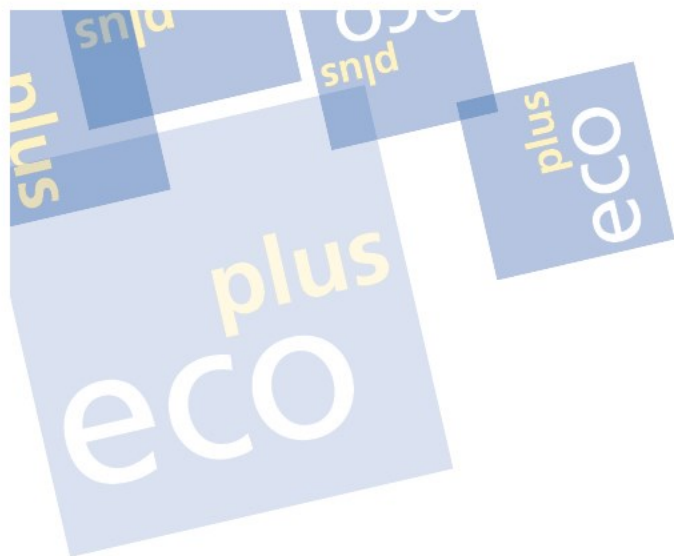
- improvement of registration medical devices
- data management in health care
- transportation of blood and IVD samples via drones
- automatic intra hospital transportation by robots and drones
- products identified for urgent need to transfer production into EU
- improving registration process of Medical Devices

Digital Health Initiatives Lower Austria



Events

- IMC Digital Health Heuriger
- Science Meets Region – Challenges in Digitalisation in Health System
- Virtual House of Digitalization



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