

Fine-tuning digitalisation policies

Some thoughts on the
Transition Report 2021/2022

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Digitalisation: State of play and policies

Lessons from Austria for EBRD clients

- ICT **production** in AT a **lesser issue** (SMOPEC)
- **Diffusion** of digital technologies
 - Intertwined issues w.r.t. **business processes** (and **infrastructure**)
- Factors shaping the **diffusion process**:
 - Substantive uncertainty (Awareness, absorptive capacities, technological uncertainty)
 - Procedural uncertainty w.r.t. implementation
 - Firm specific effects – financing and organizational constraints (skills, organization)
- Digital **skills** shape absorptive capacities and diffusion
 - Non-routine, abstract tasks gain, manual-routine tasks lose
 - Different merits of both bank and equity systems
 - Coordination issues between public policy domains
 - Greater impact than funding system



Digitalisation in Austria: State of play and reform needs

Final Report

March 4th, 2019

Study carried out within the Framework Service Contract 'Studies in the Area of European Competitiveness' (ENTR/300/PP/2013/FC-WIFO)

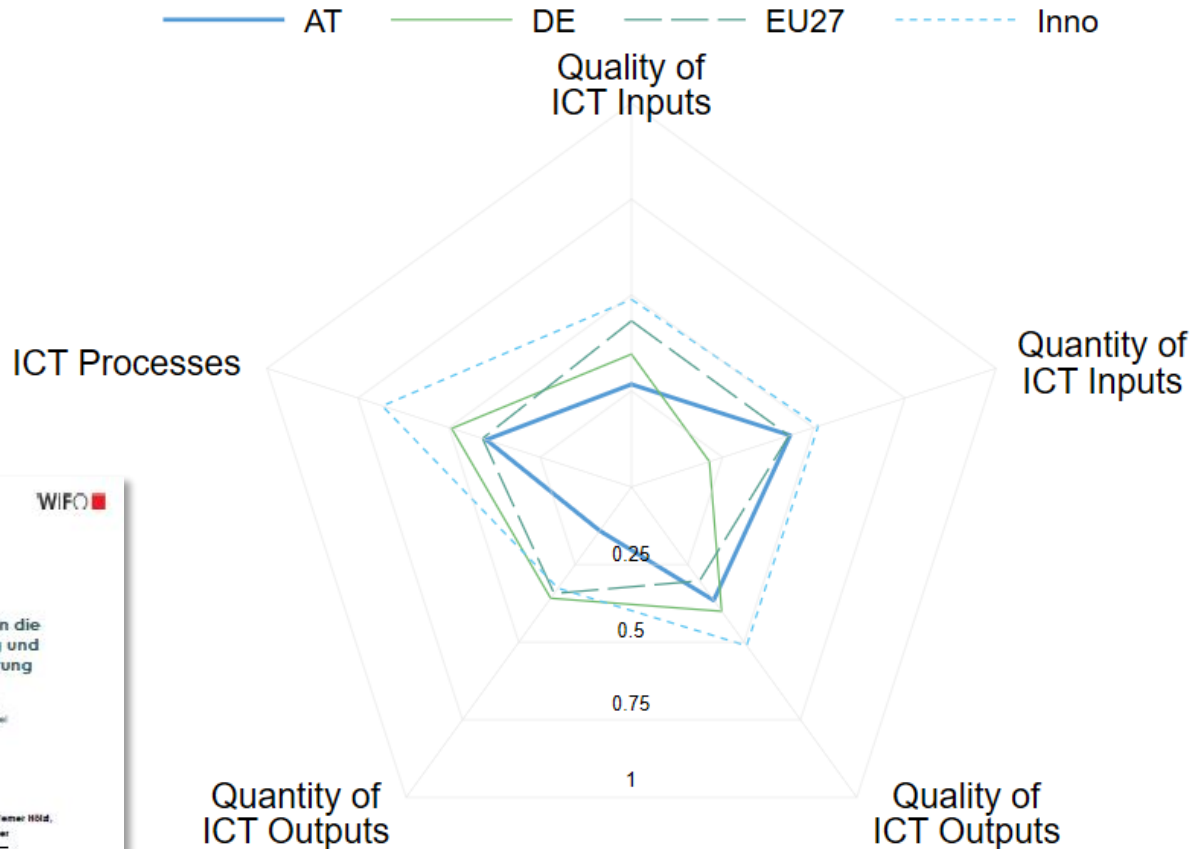
S.: Hoelzl et al. (2019), "Digitalisation in Austria: State of play and reform needs", WIFO study commissioned by the EC, (ENTR/300/PP/2013/FC-WIFO)

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<https://ec.europa.eu/docsroom/documents/37267/attachments/1/translations/en/renditions/native>.

There is no one size fits all approach

A blueprint to fine-tune policies: “Digitalisation Radar”



Inno Leader (EIS):
SE, DK, FI, NL



S.: Eurostat, BACI, TED, WIFO calculations, 2018 data

S.: Friesenbichler et al. (2021), Investitionen in die Digitalisierung und Dekarbonisierung in Österreich, https://www.wifo.ac.at/publikationen/publikationssuche?detail-view=yes&publikation_id=67181

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Content of the “Digitalisation Radar”

■ Quantity of ICT Inputs

- Employment of ICT experts, ICT capital services, ICT capital formation, MINT graduates, ICT start-ups

■ Quality of ICT Inputs

- R&D employees in the ICT sector, R&D expenditures of the ICT sector, frictionless hiring of ICT experts, fast growing firms in the ICT sector

■ ICT Processes

- Big Data Analysis, Cloud Computing, E-Commerce, Enterprise Resource Planning, Integrated suppliers, radio frequency identification systems, social media

■ Quantity of ICT Outputs

- Value Added of the ICT sector, Value Added of intensive ICT users, export share of ICT intensive products, revenue share of e-commerce

■ Quality of ICT Outputs

- Complexity of ICT intensive products, triad ICT patents, ICT citations in ICT, and in non-ICT technologies