THE ROLE OF APPLIED SCIENCES IN INNOVATION

Hochschule Neu-Ulm University of Applied Sciences

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HIGHER EDUCATION IN GERMANY

- 423 universities with 3 million students
 - 108 universities (26%)
 - 211 universities of applied sciences (50%) 1.1 million students
 - Colleges of art and music, administration, etc.
- High degree of autonomy
- Funded and regulated by the federal states, additional funding from federal government
- No tuition fees at public universities, where the majority of students are enrolled



https://static.daad.de/media/daad_de/daad_faltblatt_hs-system_en_rz_web.pdf

CHARACTERISTICS OF UNIVERSITIES OF APPLIED SCIENCES

- Teaching, applied research and transfer are highly integrated
- Bridge the gap between theory and practice
- Degree programs, research areas and transfer activities reflect regional economic needs
- Valued cooperation partners for businesses, especially for small and medium sized enterprises (SME)
- Crucial economic factor very good return on investment
 - develop graduates with essential skills for driving the economy
 - attact third party funding
 - build infrastructure
 - create jobs
 - develop networks



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SUCCESS FACTORS FOR INNOVATION





sustainable networks

interdisciplinary teams

clear definition of tasks

Practice-relevant scientific education creates excellent job perspectives for graduates

- Intensive cooperation with companies and organizations in
 - Learning and teaching
 - Applied research
 - Knowledge and technology transfer
- Address local challenges and requirements
- Build sustainable networks and knowledge clusters
- Easy access to people and infrastructure

APPLIED SCIENCES AND INNOVATION



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What else do we need to make a lasting contribution to vibrant innovation systems?

HND

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