

Online session I: Institutional approaches to doctoral education – TUM Graduate School

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Quality & Process Management

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TUM-GS management office – multiple interactions with diverse units of the university



TUM-GS Facts & Figures

- **Established in 2009**, obligatory membership since 2014
- **Umbrella organization** for 16 Departmental Graduate Centers, 7 Thematic Graduate Centers, incl. 3 with external partners
- **Graduate Dean** as a member of the TUM Extended Board of Management
- **Comprehensive course program** (transferable skills courses, subject specific courses)
- **Internationalization** opportunities and funding for research stays abroad

Figures (reference date: 31st Dec. 2019)

- Active members: **7,962** (based on data exports of 4th January 2020)
- female doctoral candidates: **38%**
- international doctoral candidates: **28%**
- Top 5 international countries of origin: **China, Austria, Italy, India, Iran**
- Intake in 2019: **1,651** (based on data exports of 14th February 2020)
- Graduation in 2019: **1122** (members and non-members)



TUM central institutions

TUM Graduate School

TUM Global and Alumni Office

TUM Center for Study and Teaching

...other central units...

Decentralized degree-awarding institutions

Department of Physics

Graduate Center Physics

Department of Chemistry

Graduate Center Chemistry

Department of Medicine

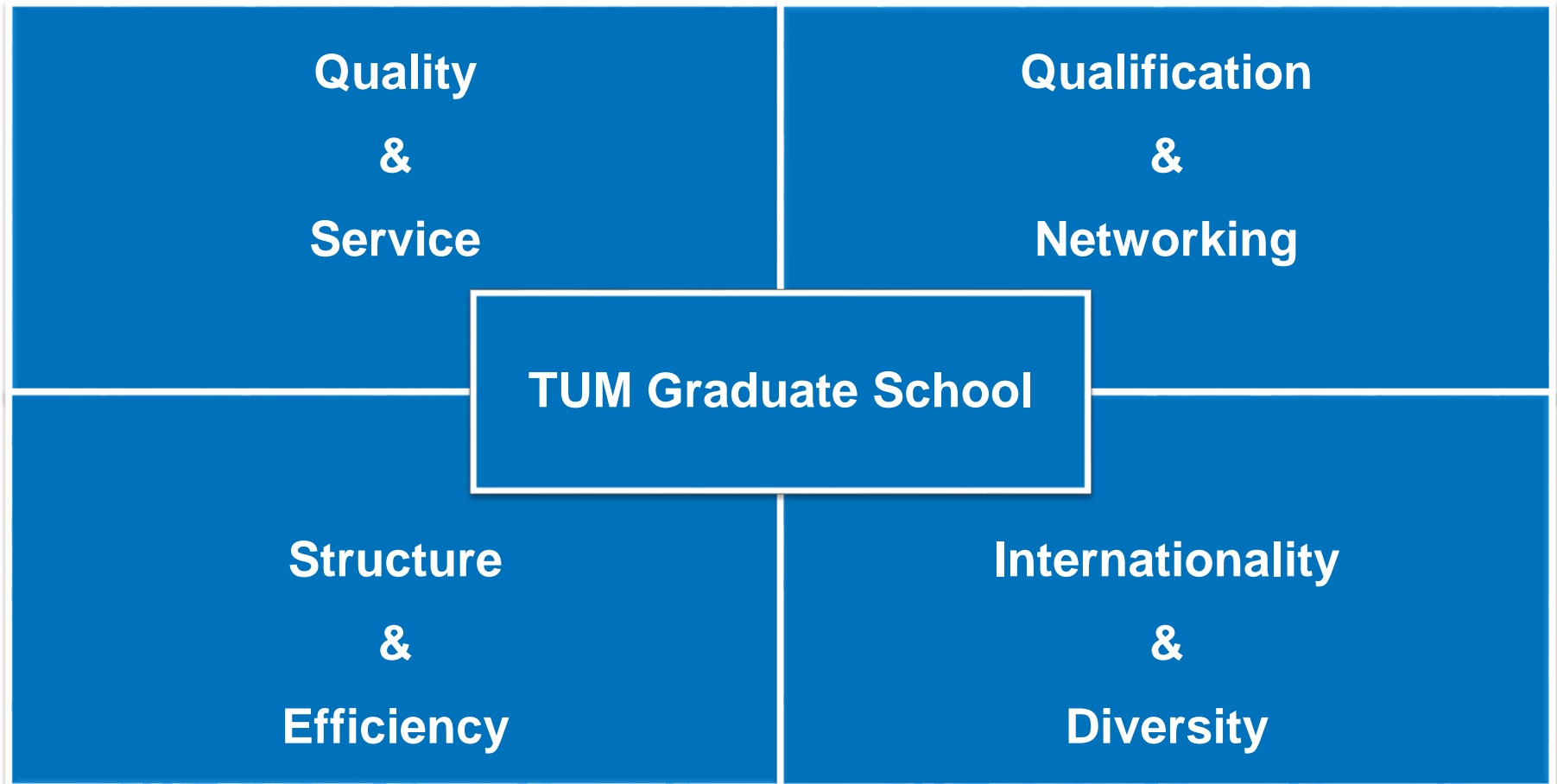
Medical Graduate Center

...various other departments...

...various other graduate centers...



Objectives and tasks



The Graduate School's impact – inside & outside

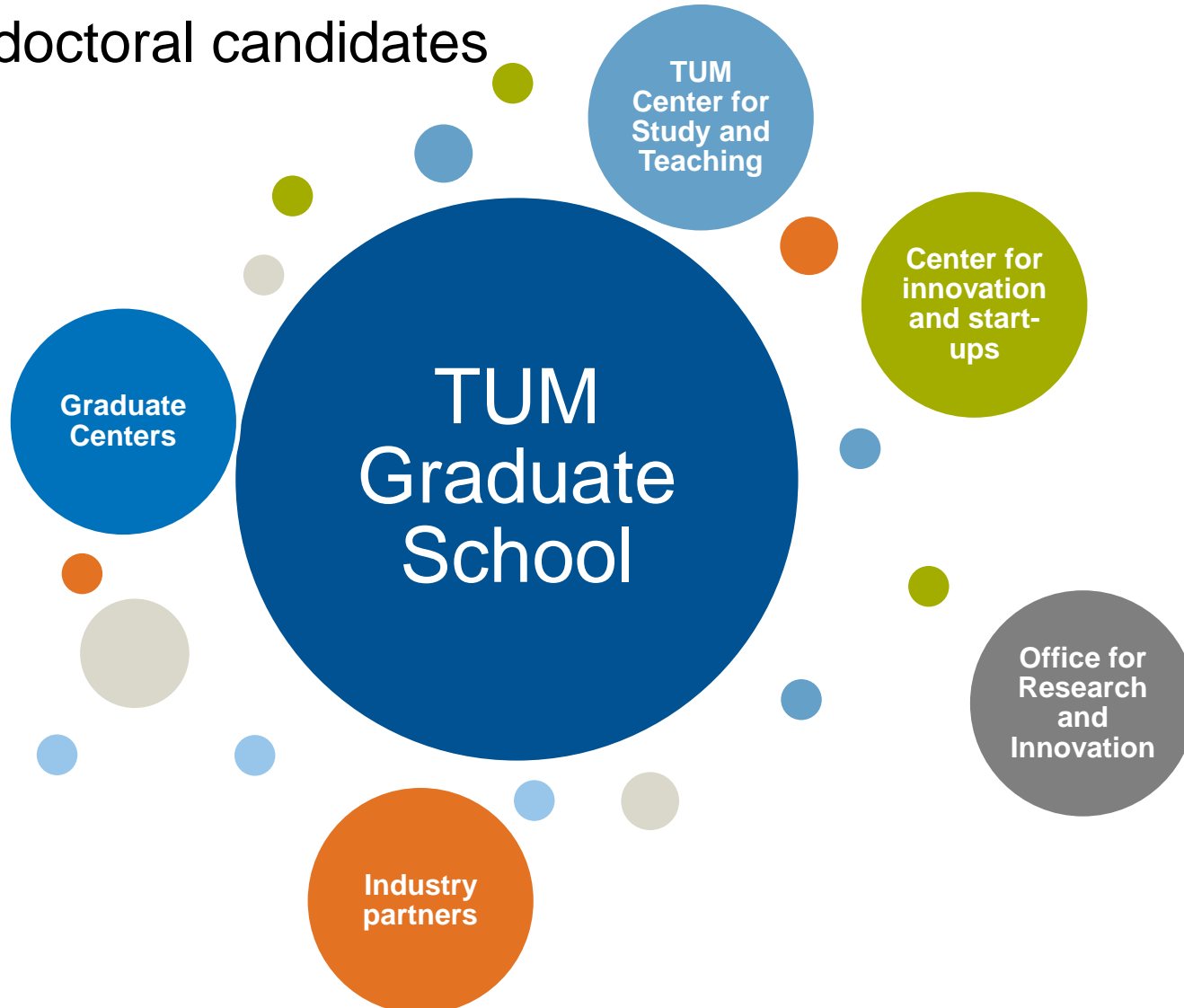
inside

- **Setting of university wide standards** in the doctoral system, such as:
 - Supervision agreement and mentor, feedback talks
 - 2-year minimum requirement
 - Active integration into the academic environment
 - Kickoff-seminar
 - Peer reviewed publication
 - Subject-specific training and transferable skills courses

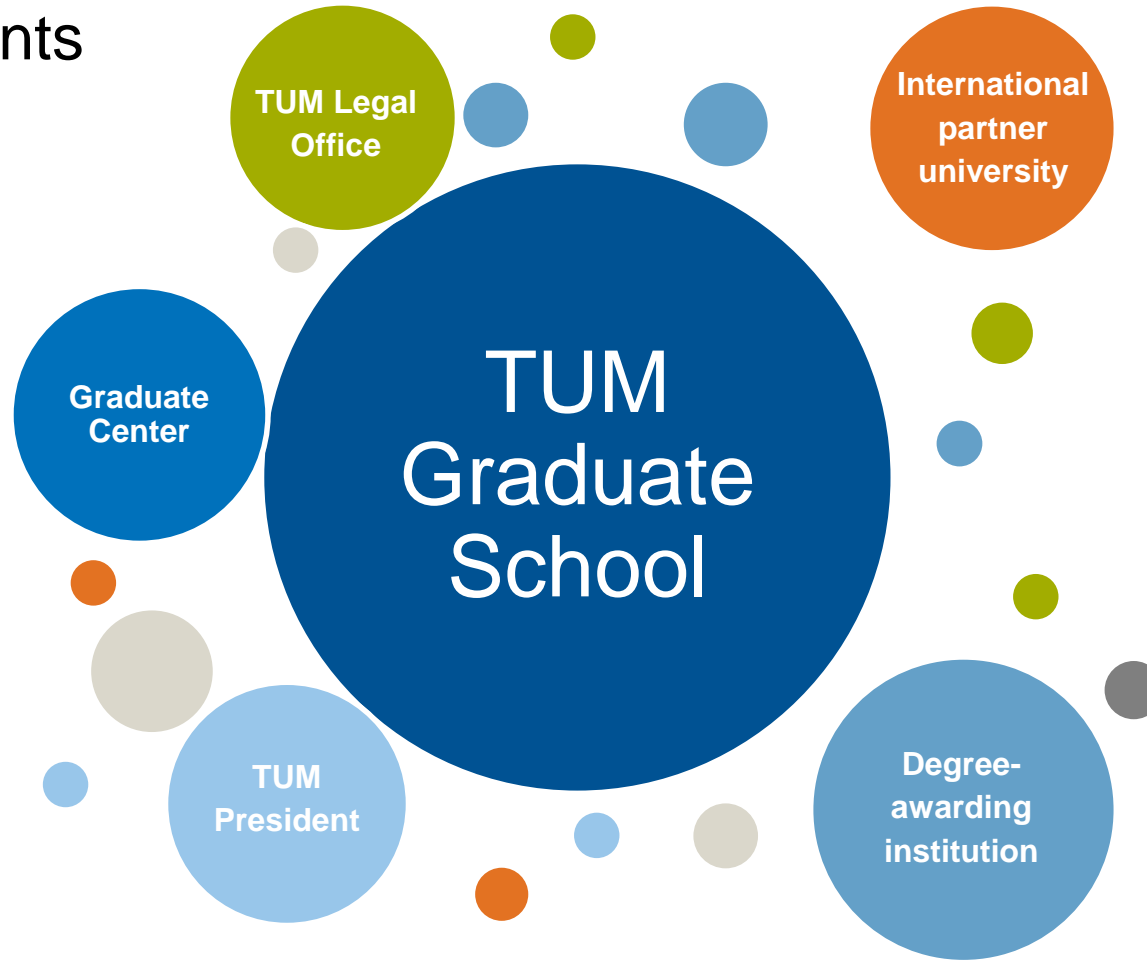
outside

- Strategic development
- Quality management and quality control, overseen by the GS' executive board
- International partnerships
- Industry partnerships and partnerships with other HEIs in Germany

TUM-GS' interactions, scenario 1: developing guidelines for external doctoral candidates



TUM-GS' interactions, scenario 2: negotiating cotutelle agreements



TUM-GS' distinctive features

- TUM Graduate School has a **matrix organization**, with the TUM-GS management office acting on a level playing field with other central institutions, and graduate centers in cooperation with the departments
- Wide-stretching network of partners within the university with issue-based collaboration
- This form of organization enables us to adequately address a broad spectrum of tasks, reaching from the registration of doctoral candidates to subject-related qualification
- With this form of organization and range of tasks, TUM is in a unique position in Germany, ensuring **excellent conditions** for doing a doctorate **across all departments**, not only in certain outstanding research areas

Thank you!