

Give up or hold – patent decision process at HZDR

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Helmholtz association as largest non-university research center organization



Helmholtz-Zentrum Dresden-Rossendorf (HZDR)

Foundation 01.01.1992 (e.V.)

Employees **approx. 1,000**
including about 500 scientists
+ 150 doctoral students
as well as employees and guest
scientists from more than
45 countries

Research Sites

DRESDEN

Leipzig, Freiberg, Grenoble



HZDR Research Programs

HEALTH

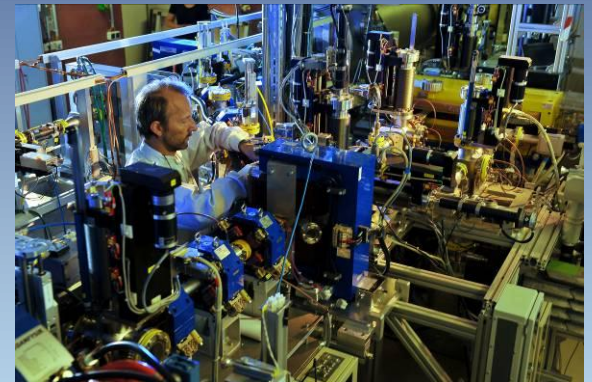
- Cancer Research

MATTER

- From Matter to Materials and Life
- Matter and Technologies

ENERGY

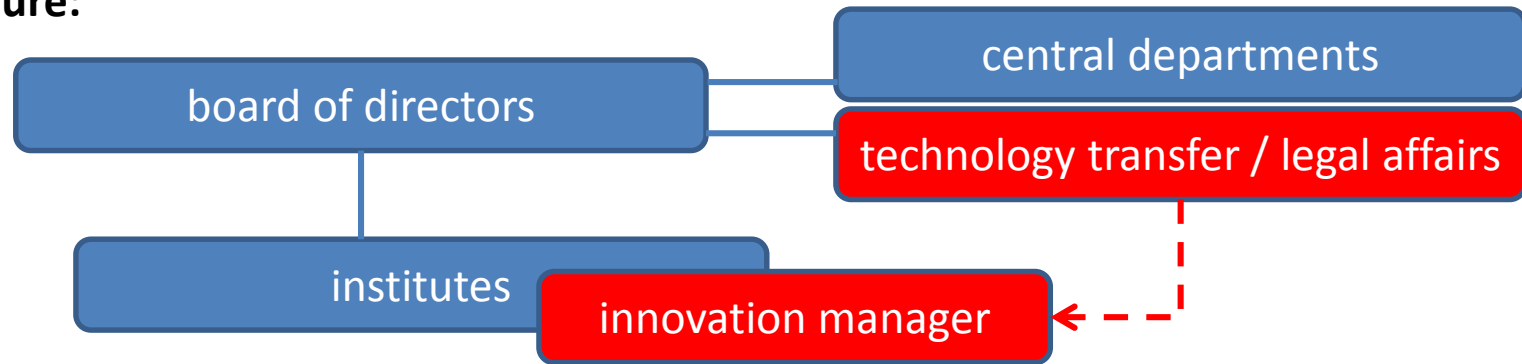
- Energy Efficiency, Materials and Resources
- Storage and Linked Infrastructures
- Nuclear Waste Management and Safety as well as Radiation Research



Images: 1. PET/MR-Full-body Scan Tomograph | 2. ELBE | 3. TOPFLOW Facility Pressure Tank

Technology Transfer at HZDR

structure:



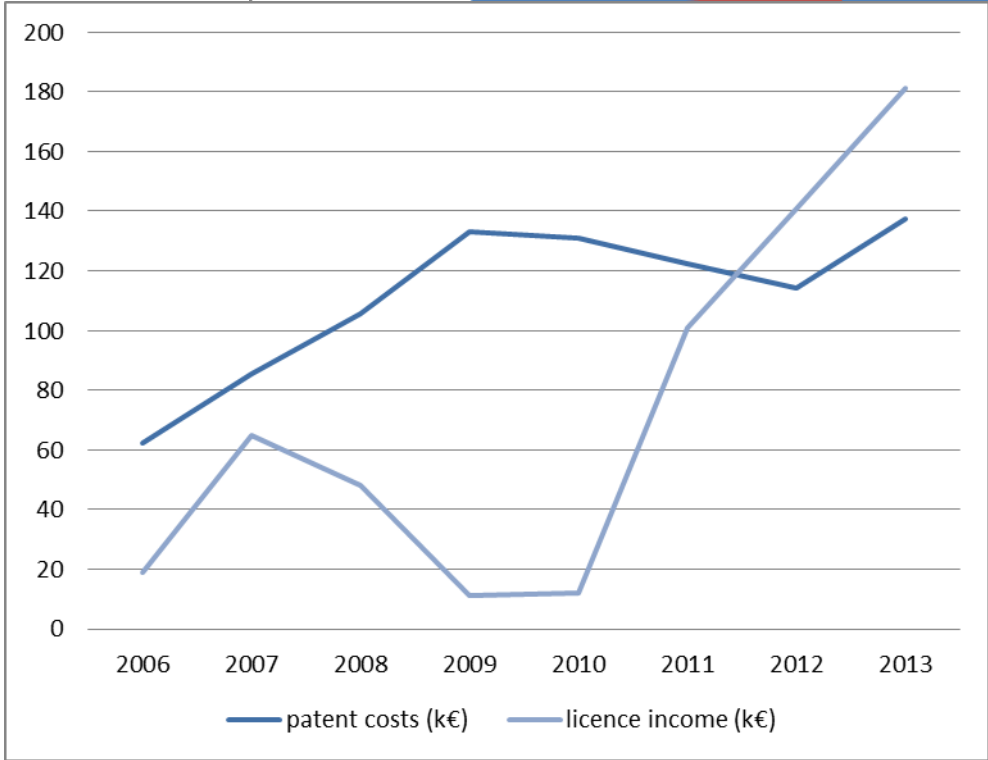
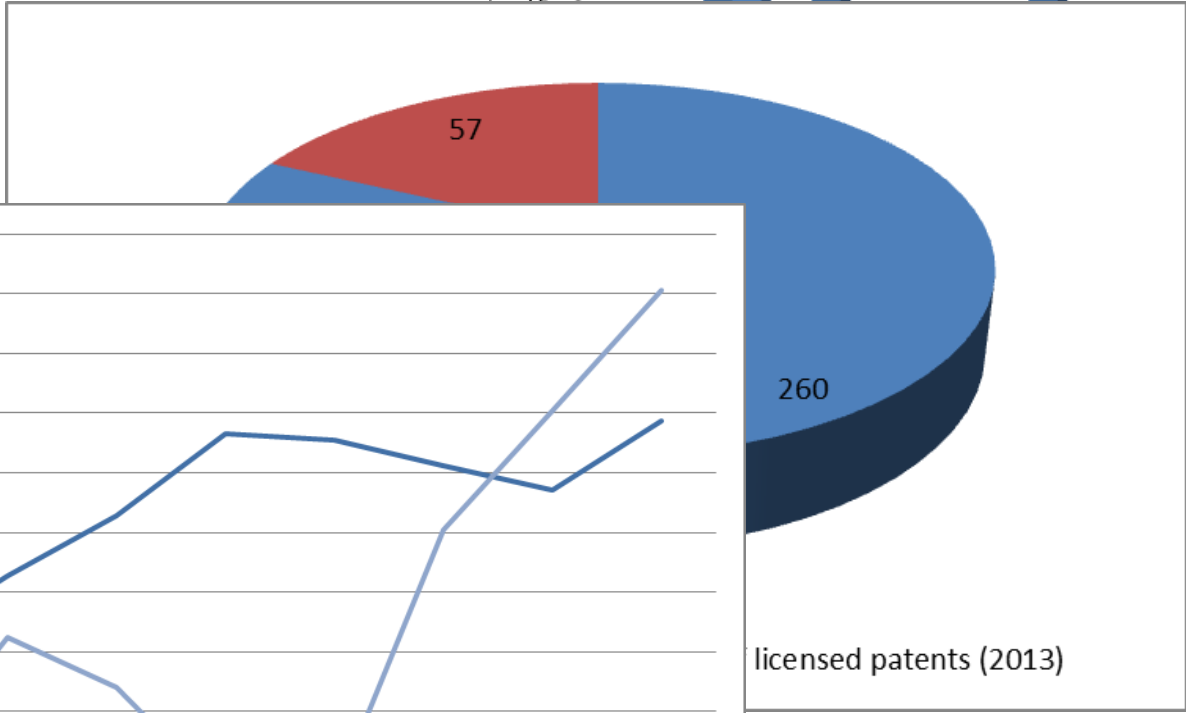
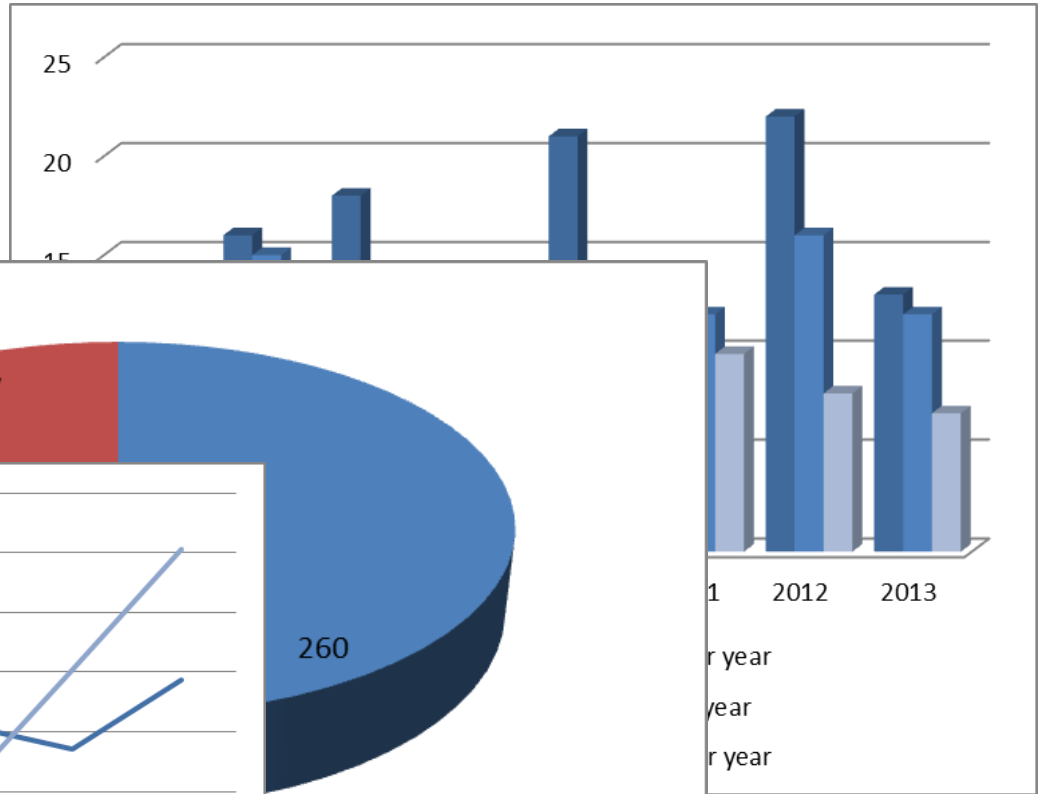
TT related facts:

6 colleagues (therein 1 lawyer and 1 patent assessor)
+ additional associated staff from institutes/partners

since 1990 13 spin offs (including HZDR Innovation GmbH as incubator for transfer related HZDR topics)

local and global partners for transfer related topics (Technical University Dresden, other non-university research engage, Ascension, dtd, ...)

Patents at HZDR



Patent strategy at HZDR

criteria's for patent application / give up or hold decision

- invention disclosure fits strategic with HZDR main research topics
- continuous availability of know-how experts
- opportunity to develop a new patent bundles or the invention fits with available patent bundles
- alignment with external patent strategies in the addressed market field
- clear and plausible rating of the expected purpose and benefit
 - commercialisation strategy (licensing, spin-off,...)
 - patent application is a requirement by authority within a research project

HZDR strategy: valuable patent portfolio in the main research fields

Decision for application / further continuation

step 1 – Information procurement

- intensive conversations with the inventor(s) / involvement of innovation manager and systematic classification:
 - background of invention (potential for commercialisation, basis for further project applications, strategic reasons)
 - classification according HZDR main research fields
 - impact of invention (basis patent / detail for existing invention)
 - state of technology (ready for commercialisation, demonstrator, first experiments, idea only)
 - market survey (roughly)
- Desk search for relevant market fields
- Market research overview by foresight.st
- Patent search with commercial database orbit
- Feedback on technology offers by “deutscher Technologiedienst”

Decision for application / further continuation

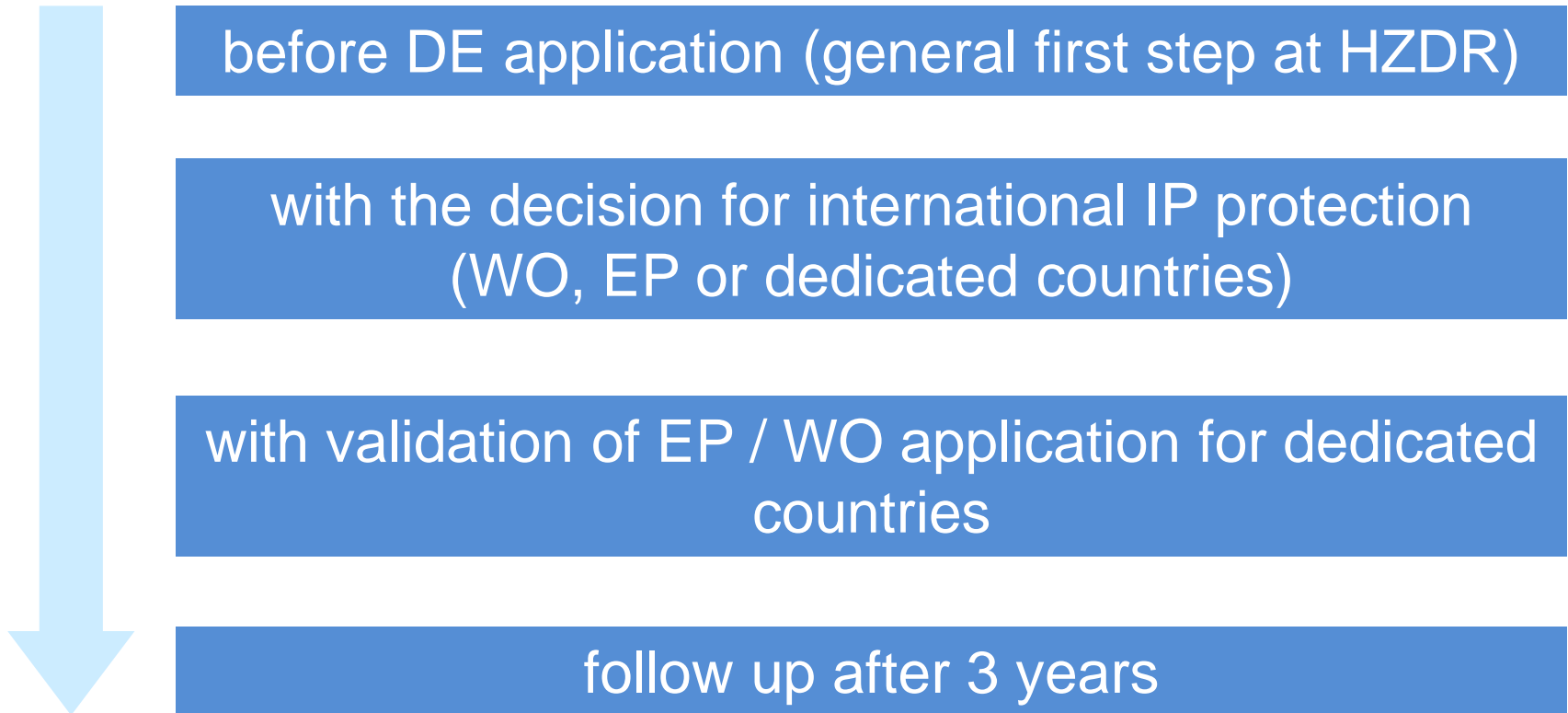
step 2 – decision process

- statement by patent assessor
- statement by innovation manager
- external rating by partners/consultants (Ascenion, engage, GWT,...)
- statement by director of the involved institute

**final decision
by the head of technology transfer**

Decision for application / further continuation

decision points / timeline



Thank you for your attention !

Questions ?