

Evalveerimine 2010 Application EV18 Tallinn University of Technology , Natural Sciences and Engineering

Expert's opinion: The volume and level of R&D activities in comparison to international criteria.

Subcriteria for evaluation	Evaluation	Comments
The research and development in the field being evaluated is characterized by a sufficient volume of financing taking into account the particularities of the field of research and the profile of the institution.	Positive	There is a high level of R&D activity at TUT and this is supported in the assessment period by EEK914million of funding, supporting 810 research projects. The majority of project funding is derived from sources within Estonia. 13% of funding in the assessment period has come from EU or other international sources. There is participation in 11 FP7 projects in the period concerned, with 5 of these being coordinated from TUT.
Research and development at the institution is characterized by contemporary and innovative range of topics for research.	Positive	
The institution has international cooperation projects in the field being evaluated and/or participates in various international cooperation networks.	Positive	TUT participates in a wide range of European and international networks. There is evidence that research is conducted therefore in the international area and not in isolation. This engagement appears to allow access to facilities in other countries (e.g. Netherlands) where they are not available in Estonia.
Experts' summary assessment	Positive	

Expert's opinion: R&D infrastructure (working premises and auxiliary facilities).

Subcriteria for evaluation	Evaluation	Comments
The institution's research groups in the field being evaluated have at their disposal the necessary working and auxiliary facilities (premises).	Positive	There is ongoing investment in infrastructure, including through TUT's own budget. Comments relating to facilities suggest that these are perceived as adequate, with room for improvement especially in the geological field station.
The working facilities (premises) at the disposal of the institution's research groups in the field being evaluated are modern and fit for purpose.	Positive	In some domains, such as Mechanical Engineering, facilities are older, but the panel understands that new investments will take place soon.
The institution's research groups in the field being evaluated have at their disposal, in the case of experimental themes, the necessary equipment and instruments.	Positive	In some domains, such as Mechanical Engineering, equipment is old, but the panel understands that new investments will take place soon.
The equipment and instruments at the disposal of the institution's research groups in the field being evaluated are, in the case of the experimental themes, modern and fit for purpose.	Positive	In some domains, such as Mechanical Engineering, equipment is old, but the panel understands that new investments will take place soon.
The institution's research groups in the field being evaluated have access to databases, specialized literature and other research infrastructures.	Positive	
Experts' summary assessment	Positive	Overall, facilities are very good with one or two areas where updating would be beneficial.

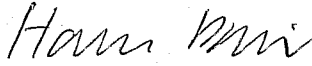
Expert's opinion: Qualification of researchers in comparison to international criteria.

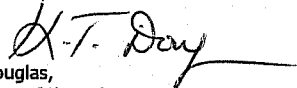
Subcriteria for evaluation	Evaluation	Comments
A sufficient number of research staff are employed at the institution taking into account the volume and particularities of the R&D activities of the institution and the field being evaluated.	Positive	
A sufficient number of the research staff have a recognized academic degree corresponding to Estonian legislative acts.	Positive	


Doctoral dissertations have been successfully supervised in the last five years.	Positive	Almost 150 PhDs have been awarded in the assessment period. A significant number of students take a long time (over 5 years) to complete their doctorates.
Research staff in the field being evaluated have received sufficient national or international honours and/or awards.	Positive	
Research staff have published per researcher in the last 5 years a sufficient number of articles in international journals or peer-reviewed research monographs taking into account the particularities of the field of research being evaluated.	Positive	
Research staff have filed applications for patents or for plant variety rights certificates in the name of the institution in the last 5 years.	Positive	
Experts' summary assessment	Positive	
Subcriteria for evaluation	Evaluation	Comments
Final assessment	Positive	TUT conducts significant research of an international standard in many areas of activity.

Confirmed 20.05.2019


 Roland Atzmann,
 Chairperson of the evaluation committee;
 spokesperson of the subcommittee „Culture and Society“


 Hans Brix,
 Spokesperson of the subcommittee
 „Biosciences and Environmental Sciences“


 Kenneth Douglas,
 spokesperson of the subcommittee „Health“


 Eric Gregoire,
 spokesperson of the Subcommittee
 „Natural Sciences and Engineering“