

**Evalveerimine 2010 Application EV24 University of Tartu, 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	
Research and development at the institution is characterized by contemporary and innovative range of topics for research.	Positive	There is strong evidence of diverse and leading research activity in many fields.
The institution has international cooperation projects in the field being evaluated and/or participates in various international cooperation networks.	Positive	There is evidence of significant international integration and especially collaborations, achieved through EU funding, in Europe.
Experts' summary assessment	Positive	

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

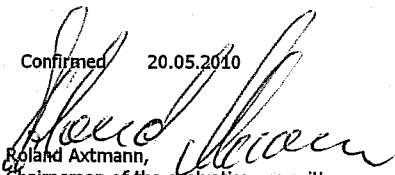
Subcriteria for evaluation	Evaluation	Comments
The institution's research groups in the field being evaluated have at their disposal the necessary working and auxiliary facilities (premises).	Positive	The committee understands that investments in the facilities for physics will take place soon. Chemistry and earth sciences have benefited significantly from recent investment.
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	The committee understands that investments in the facilities for physics will take place soon. Chemistry and earth sciences have benefited significantly from recent investment.
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	The committee understands that investments in the facilities for physics will take place soon. Chemistry and earth sciences have benefited significantly from recent investment.
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	The committee understands that investments in the facilities for physics will take place soon. Chemistry and earth sciences have benefited significantly from recent investment.
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	The committee understands that investments in the facilities for physics will take place soon. Chemistry and earth sciences have benefited significantly from recent investment.

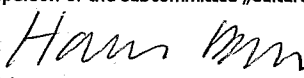
**Expert's opinion: Qualification of researchers in comparison to international criteria.**

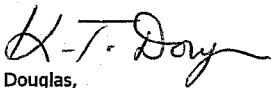
Subcriteria for evaluation	Evaluation	Comments
A sufficient number of research staff are employed at the institution taking into account the volume and particularities of the R&D activities of the institution and the field being evaluated.	Positive	Staff numbers are adequate, and post doc numbers are rising and diversifying internationally (especially in computing science). This is a trend that the committee observed in few Estonian institutions.
A sufficient number of the research staff have a recognized academic degree corresponding to Estonian legislative acts.	Positive	

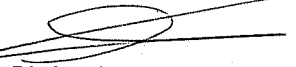
Doctoral dissertations have been successfully supervised in the last five years.	Positive	117 doctorates have been successfully defended in the assessment period. In international terms this is not very high for the volume of research/number of staff in the institution, but this is reasonable in this national context. There are a significant number of doctoral programmes running across the breadth of scientific activity in the institute.
Research staff in the field being evaluated have received sufficient national or international honours and/or awards.	Positive	There is evidence of significant international recognition, as well as staff having high standing within Estonia.
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	
<b>Subcriteria for evaluation</b>	<b>Evaluation</b>	<b>Comments</b>
Final assessment	Positive	The committee was impressed overall by the quality of the activities and new developments at this institution. However, there is not necessarily a correlation between scientific output and amount of investment received by different areas.

Confirmed 20.05.2010

  
 Roland Axtmann,  
 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“