

Evalveerimine 2010 Application EV1 Tallinn University of Technology , Biosciences and Environment

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	The volume of financing is sufficiently large for the wide range of research. However, several of the grants listed seem to be inappropriately returned in this field - several are biomedical.
Research and development at the institution is characterized by contemporary and innovative range of topics for research.	Positive	There is a diversity of research themes and much innovative work.
The Institution has international cooperation projects in the field being evaluated and/or participates in various international cooperation networks.	Positive	There is no sense of a strategic approach beyond an emphasis on the need to increase funding from Europe, and to emphasise international outputs.
Experts' summary assessment	Positive	The general impression was a diverse range of research: much of which occurs at a high quality.

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	Laboratory and other accommodation seem substantial, but the per capita space is not especially generous. Most of the buildings have been built or extensively renovated in recent years.
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	Because of the renovation, and given the self-assessment, it seems reasonable to conclude that the premises are modern and fit for purpose.
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 equipment list is in a different form from that in other institutions; it is grouped as lab facilities rather than itemised by individual piece. This reflects the scale of activity and extended provision, and provides an effective summary.
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	Good equipment, clearly modern and fit for purpose.
The institution's research groups in the field being evaluated have access to databases, specialized literature and other research infrastructures.	Positive	Good library.
Experts' summary assessment	Positive	Good facilities and infrastructure.

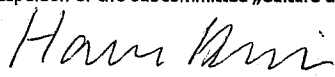
Expert's opinion: Qualification of researchers in comparison to international criteria.

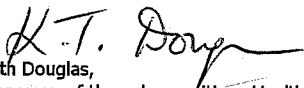
Subcriteria for evaluation	Evaluation	Comments
A sufficient number of research staff are employed at the institution taking into account the volume and particularities of the R&D activities of the institution and the field being evaluated.	Positive	Sufficiently large staff, and the PIs are well qualified to lead research activity. However, there is a reserve of additional PhD-qualified staff who could also be generating grant income.
A sufficient number of the research staff have a recognized academic degree corresponding to Estonian legislative acts.	Positive	The academic qualifications are very good.

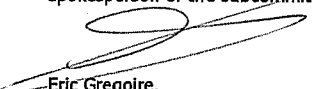
Doctoral dissertations have been successfully supervised in the last five years.	Positive	The number of fulfilled PhD dissertations has been relatively low for an institution this large. But an increase in PhDs is expected because of increased interest by the industry.
Research staff in the field being evaluated have received sufficient national or international honours and/or awards.	Positive	Most honours are national, and there are not many international prizes.
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	The scientific output is good, but more emphasis should be placed on publishing in high ranking international journals.
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	Many patent applications have been submitted, and several converted into patents. There is a strong IP policy, and a unit in the University that manages this.
Experts' summary assessment	Positive	A well educated staff that has submitted many patent applications. More emphasis should be placed on publishing in high ranking journals.
Subcriteria for evaluation	Evaluation	Comments
Final assessment	Positive	This is an Institution doing research over a wide area. The quantity of science performed is satisfactory, but even more emphasis should be placed on the quality of the science. The production of PhD candidates should also receive more attention.

Confirmed 21.05.2010


 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“