Evalveerimine 2010 Application EV16 National Institute of Chemical Physics and Biophysics, 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	Very uneven funding strands.
Research and development at the institution is characterized by contemporary and innovative range of topics for research.	Positive	Funded projects were strong
The institution has international cooperation projects in the field being evaluated and/or participates in various international cooperation networks.	Positive	There appear to be international connections that bring access to infrastructure, and enable student and Post-Doc exchanges. However, the structure of the application focuses on individual groups, and there is less of a sense that the institution itself is the reason for international cooperation.
Experts' summary assessment	Positive	A large and very diverse group with some strengths which they highlighted.

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

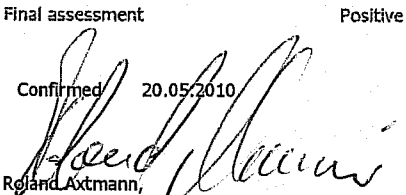
Subcriteria for evaluation	Evaluation	Comments
The institution's research groups in the field being evaluated have at their disposal the necessary working and auxiliary facilities (premises).	Positive	Large capacity.
The working facilities (premises) at the disposal of the institution's research groups in the field being evaluated are modern and fit for purpose.	Positive	Recent significant refurbishment of many laboratories.
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	It appears that all research groups have the necessary routine equipment and facilities in newly renovated laboratories, together with related facilities such as safety cabinets and temperature-conditioned rooms.
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	Continual renewal process is working.
The institution's research groups in the field being evaluated have access to databases, specialized literature and other research infrastructures.	Positive	The NICPB has itself toxicological databases, partly supported by the National Programme on Scientific collections. The library a collection of publications, with access to electronic resources provided through Estonian Universities.
Experts' summary assessment	Positive	An uneven group, but with real strengths. Facilities seem good and constantly updated.

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

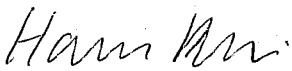
Subcriteria for evaluation	Evaluation	Comments
A sufficient number of research staff are employed at the institution taking into account the volume and particularities of the R&D activities of the institution and the field being evaluated.	Positive	Large and diverse staff.
A sufficient number of the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

Doctoral dissertations have been successfully supervised in the last five years.	Positive	The institute can not itself grant PhD degrees, but 12 doctoral theses were defended in the assessment period.
Research staff in the field being evaluated have received sufficient national or international honours and/or awards.	Positive	A substantial list of indicators, diverse in kind.
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	Productivity ius OK but more outpus should be in ISI registered 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	There have been 16 applications and 4 patent certificates awarded.
Experts' summary assessment	Positive	Qulified staff with a fair output.
Subcriteria for evaluation	**Evaluation**	**Comments**
Final assessment	Positive	Several very good strands, though no apparent strategy for future scientific advances or research area developments.

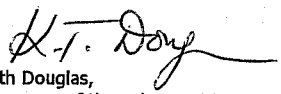
Confirmed 20.05.2010



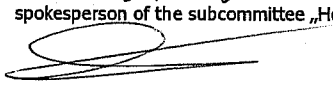
Roland Axtmann,
Chairperson of the evaluation committee;
spokesperson of the subcommittee „Culture and Society"



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"