



Leopoldina
Nationale Akademie
der Wissenschaften

Science – Politics – Society

The Policy Advice Department

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The Policy Advice Department

- The department
- Tasks
- Topics
- How we work
- Collaborations



The department

- Established when Leopoldina was appointed National Academy of Science
- Staff – since March 2010
 - Elmar König, Head of Department
 - Dr. Christian Anton, Policy Adviser
 - Dr. Kathrin Happe, Policy Adviser
 - N.N.
 - N.N.
 - Daniela Schmidt, Team assistant



The department

Topical groups

- > Climate, Energy and environment
- > Bio and Life sciences
- > Health
- > Ageing and fertility
- > Science systems
- > Scientific Ethics

Leopoldina Symposia & Workshops

Working groups /

Statements and recommendations

- > Energy
- > Predictive genetic diagnostics
- > Animal testing
- > Synthetic biology
- > Quantum technology

Addressees

Leopoldina Classes

- > Class I: Mathematics, Sciences, Technical sciences
- > Class II: Bio and Life sciences
- > Class III: Medical Sciences
- > Class IV: Humanities, Behavioural and Social Sciences



Tasks

- Guidance on current scientific and science policy issues to policy makers, society and industry
- Well-founded and up-to-date independent advise
- Important and sometimes critical topics
- Bring together outstanding scientists from a wide range of disciplines with policy makers and society
- Provide a forum and interface



Current and past topics

- Predictive genetic diagnostics as an instrument of disease prevention
- Quantum technology
- Future with children – fertility and the development of society
- An integrated programme of energy research for Germany (2009)
- Statements on proposed changes to the EU Directive on the protection of animals used for scientific purposes (2009/2010)
- Ageing in Germany (2009)
- Synthetic Biology (2009)
- Novel Flu – How dangerous is the virus? (2009)
- New Methods of Stem Cell Research (2009)
- Plant Genetic Engineering (2009)
- Vaccinations – Chances and Challenges (2008)

Current and past topics

Examples

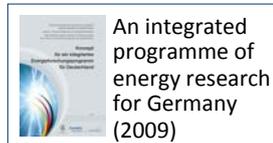
*Predictive genetic
diagnostics as an
instrument of
disease prevention*

*Quantum
technology*



Ageing in
Germany
(2009)

*Future with children
– fertility and the
development of
society*



An integrated
programme of
energy research
for Germany
(2009)



New Methods
of Stem Cell
Research
(2009)

Novel Flu – How
dangerous is the
virus? (2009)



Synthetic
Biology
(2009)



Vaccinations –
Chances and
Challenges
(2008)

Recommendations



An integrated programme of energy research for Germany

- Subject-specific
- By appointment or intrinsic motivation
- Joint work with acatech and BBAW
- Academies nominate experts for the working group
- Completion within months



How we work

- Working groups
 - Ad hoc, Medium-term (6 months – 1 year), Long-term (1-3 years)
 - Follow a defined process
 - Peer review of results
- Interface between science, policymakers and society
 - Develop contacts with members
 - Establish contact with policymakers
 - Publication of statements and recommendations
 - Presentation to the public in collaboration with Department of Press and Public Relations
 - Follow-up activities



Collaborations



UNION DER DEUTSCHEN AKADEMIEEN
DER WISSENSCHAFTEN

