
INNOVATION AND RESEARCH

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Bio...

Ed.: Philosophy (Philosophy of Science),
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Challenges

1. More research based professions
 2. New forms of research
 3. A new division of knowledge labour
 4. A new relation between knowledge production and innovation
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The traditonal knowledge system

Research institutions – Universities
Knowledge as discovery or exploration

Institutions of professional education – applied
research or application of research

Development

Use

Traditional and academic professions

Doctors

Lawyers

Theologians

Science based professions in

Medicine

Engineering

Business

Education

Conception of professional and vocational education

Experience based

Knowledge as know how

Knowledge as tacit

Fairly fixed competencies connected to profession

Homogeneity as an ideal – one-to-one

The role of knowledge and research

Knowledge as a resource for praxis

The application of knowledge as basically tacit

Research as basically exploration and discovery of facts and their explanation – “Measuring the World”

Innovation and research

The relation between creation/production of knowledge and its application

The “Finalization” thesis

Science as organized scepticism vs.
Science/Research as innovation of

- artefacts
- processes
- practices
- institutions

Disciplinarity

The structure of the sciences as defined by disciplines – object and method

Relation to the organization of research

Training and expertise in one method

The structure of science as defined by problem-areas and thematic spheres

Training and expertise in a multitude of methods and in selecting and evaluating them

Research and Practice

Research and tacitly derived practices

Research and explicitly derived practices

Practices as sources of knowledge

The “missing” distinction between the production and the application of knowledge

Two-way relations in the system of knowledge production

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The problem of living with a multitude of forms of knowledge – non-hegemony

The need for meta-competencies

Risk-aversion vs. risk-acceptance

The enquiring attitude

The experimental attitude
