

Transfer of Technology and Innovation

Criteria Draft for project analysis

- I. Qualitative characteristics of research issue and intended outcome technology/knowledge/idea (cf. TranSTEP: situation analysis)
 - a. complexity of the issue, interdisciplinary
*How many disciplines and scientific working groups have to/want to work together?
Is the actual work in accordance with the interdisciplinary idea?*
 - b. the degree of certainty the investigation of the issue can reach (justification)
*How clear and verifiable is what the outcome will do?
How accepted and approved are research methods and/or outcome method?*
 - c. controversy about the issue in the scientific discipline
*What are the scientific "pros and cons"?
Is there current discussion about the issue?*
 - d. controversy about the issue in society
*What are the social "pros and cons"?
Is there current discussion about the issue?*
 - e. application scope: general vs. specific
*Is there only a specific scope the outcome was developed for?
Is this target scope very broad? Or is the outcome easy to adapt?*
 - f. existing and possible alternatives to the issue → specific benefits of the outcome (technology/research approach)
*Are there similar alternatives to the outcome?
Is it possible to go in another direction? Might this be a better idea?
Source: Related Work Chapters*
 - g. societal interest in the issue, being „en vogue“, societal benefits
Is there specific interest in the issue, being displayed by discussions in media and/or social media?
- II. Association to stakeholders
 - a. Who is/ might be a stakeholder in this issue?
*Who is a financial and/or otherwise participating party?
Who else might benefit or be affected by the outcome?*
 - b. financing, clients and their influences on processes and outcome
What kind and amount of influence do the financing parties have on the topics, research progress and outcome?
 - c. subsequent projects, follow-up applications
*Are there follow-up projects picking up the issue and/or outcome to refine it or to investigate further perspectives?
What is the intent of these projects and their connection to the current project?*
 - d. communication of project, results etc.
What publications where and how many?
- III. Transfer – fostering and hindering factors
 - a. quality of the actual outcome
 - patent
 - product „you can touch“
engine, substance, material, etc.
 - idea/ knowledge
method, criterion, formula, algorithm, etc.

b. **Transfer occurred/ didn't occur**

Material: Was the outcome transferred? Via what and where?

Does anyone currently use the outcome?

Idea: Was it transferred into the scientific community through highly approved journals?

Was it cited in not project-related publications?

c. **if transfer: possible factors related to the success**

What might have helped to publish the ideas or to find someone who wants to use the material?

d. **if no transfer: possible factors related to the failing**

What might have hindered the transfer process? Were there problems in timing, communication or other factors?

IV. **Tender, existence and level of funding → connection to societal significance of the issue**

How much money does who want to give? Why do these organizations do the funding?