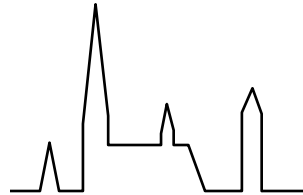


The background features a large, faint seal of the University of Freiburg. The seal is circular and contains a central figure, likely a scholar or saint, surrounded by Latin text: "SIGILLUM UNIVERSITATIS BRUNNENSIS" and "SIGILLUM UNIVERSITATIS BRUNNENSIS".

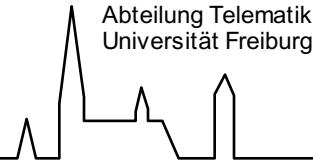
„Essence of Scientific Work“

**Günter Müller
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D-79098 Freiburg i. Br.**

<http://www.telematik.uni-freiburg.de/>



Wie funktioniert Wissenschaft (vereinfacht)?



Objective:

Generate Knowledge



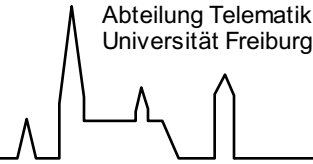
Elements:

Use existing Knowledge
= **kooperative** Process



Try own idea

PALE (Problem, Approach, Solution, Evaluation)



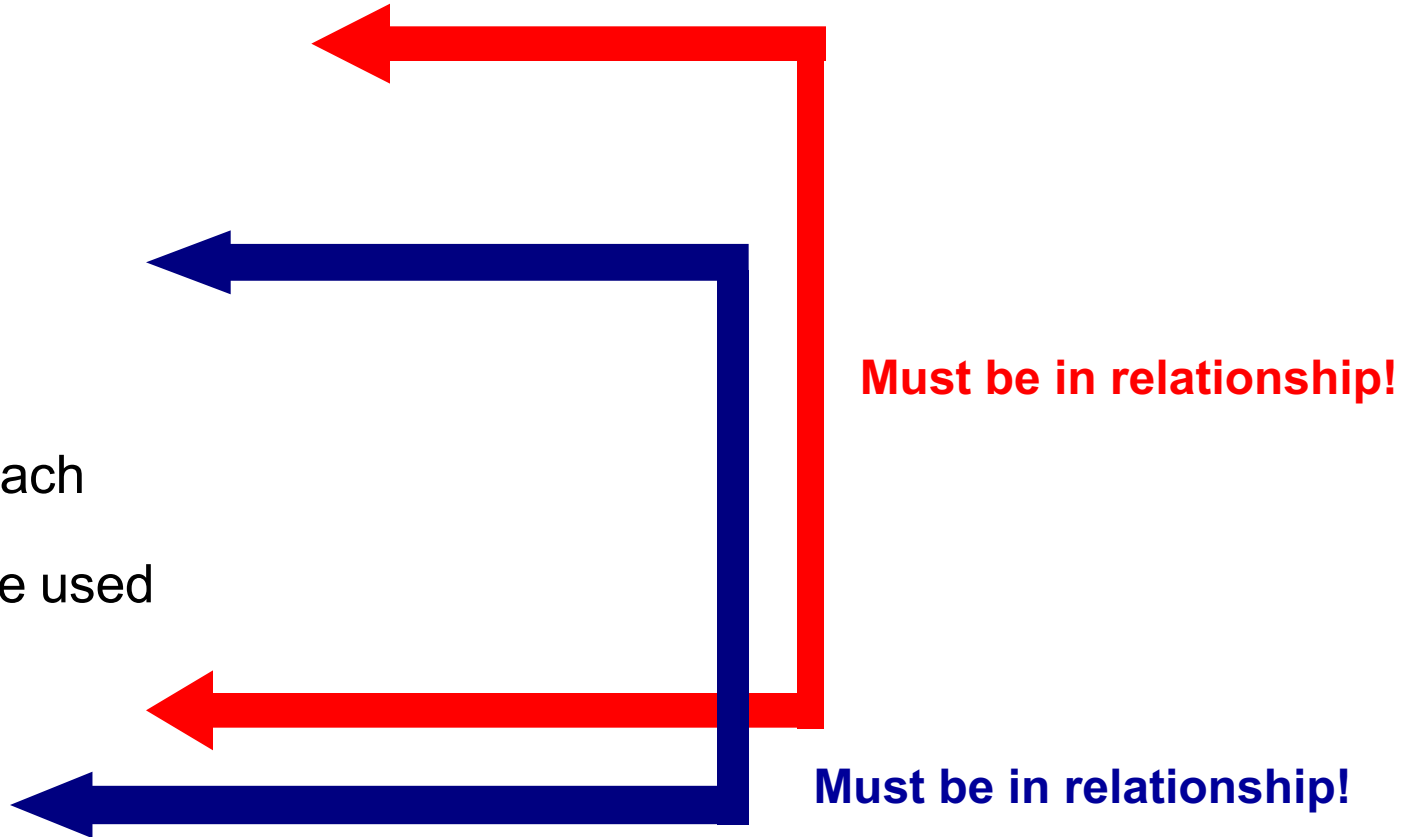
- **Problem**
What is main issue
- **Relevance**
Why is it relevant?
- **State of Art**
What is Deficit

- **Evaluation and Discussion**
- **Desiderate**
Are there new Areas?

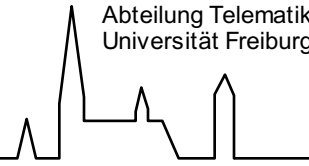
Quelle: G. Ruhmann, Schreibzentrum der Ruhr-Uni Bochum, 2003

Dynamics of PALE

- Problem
- Relevance
- State of Art
- Deficit
- Own Approach
 - Methode used
 - Result
- Discussion
- Desiderate



Do not steal !!!!!



„Who uses a text and does not quote – steals

STANDOP, E.: Die Form der wissenschaftlichen Arbeit, 13. Aufl., Heidelberg 1992, S. 185; quoted after THEISEN (1993), S. 131 f.

How to proceed

Structure

- Order material
- Outline

Decide sequence of writing

Review and self Criticism

- Content (What is missing)
- Language and Grammar and spelling
- Quotes
- Layout should be attractive and appealing

(Quelle: G. Ruhmann, Schreibzentrum der RUB, 2004)