Path 2 Integrity

Good research is based on honesty!
(cf. ECoC 2017, p.4)

Description and background

This learning unit:

- *Enables an understanding and usage of good research procedures*

- *Introduces (future) researchers to the process of producing reliable research results*

- *Challenges researchers to comply with research codes*

- *Emphasises how important the responsible conduct of research is for society*

This unit has been prepared for all learning groups with a university degree.

Role Model

Keywords

Good Research Practice; Misconduct; Research Integrity; Honesty; Reliability, Accountability, Respect

Learning Objectives

1 *Describe the values of a researcher*

2 *Outline reasons in favour of conducting reliable research*

3 *Argue in favour of the importance of reliable research results for both research and society*

Learning Stages

1 *Introduce the topic*

2 *Collect your experience*

3 *Motivate by reading an interesting story*

4 *Connect to your lives*

5 *Engage in storytelling*

6 *Reflect on codes for research in research and society*

"Quote about Research Procedure"

M0 Path **2** Integrity

1 Introduce the topic:

Homework (before the unit starts) or reading session

Fill out the survey (Evaluation of learning units M)

Evaluation of learning units M

2 Collect your experience:

In your class, discuss how sure or unsure you were regarding your answers to the survey. Which cases from the survey were especially interesting to you?

3 Motivate by reading an interesting story:

Read Hannah's story aloud. Describe her by embellishing the story. Who is she in your imagination?

4 Connect to your lives:

Take a minute for yourselves, and think about someone in your environment who used research results to argue in favour of something. Write down a description of that person and what they argued in favour of.

5 Engage in storytelling:

● **Introduce your character.** In pairs, introduce the person you wrote about vividly to your partner. What did the person argue in favour of, using their research results? Explain whether this person is a researcher or whether they are working in another area of society.

● **Imagine the worst.** In a co-creative process with your partner, pick one of the people you wrote about and imagine a scenario in which the research results turn out to be fraudulent because the researcher cheated. Build a story around the cheating researcher and your character. Include a person or part of society that is hurt by the fraudulent results. Write your storyline down in bullet points.

● **Turn it to its best.** Now rewrite your story! Imagine that another researcher steps in to stop the cheating. Describe this researcher's values, as well as how your character is now able to use reliable research results to make their argument. Write a short story in which a person or part of society benefits from the reliable results and argument.

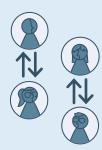● **Read some of these stories aloud!**

💡 Research principles are...

"Reliability in ensuring the quality of research, reflected in the design, the methodology, the analysis and the use of resources.

Honesty in developing, undertaking, reviewing, reporting and communicating research in a transparent, fair, full and unbiased way.

Respect for colleagues, research participants, society, ecosystems, cultural heritage and the environment.

Accountability for the research from idea to publication, for its management and organisation, for training, supervision and mentoring, and for its wider impacts." (ECoC, 2017, p.4)

6 Reflect on reasons for reliable research in research and society:

As a class, brainstorm reasons for reliable research and write these on a chalk board or flip chart. Discuss why it is important that researchers follow good research practice!

Pick four significant reasons from the board as to why researchers need to follow these principles. Write these in your notebook.