Path 2 Integrity

The Research Environment constitutes itself through clear infrastructure, policies and procedures! (cf. ECoC 2017, p.5)

Description and background

This learning unit:

- *Introduces researchers to different research infrastructures and procedures*

- *Challenges researchers to value good research and reliable research results*

- *Enables researchers to acknowledge research infrastructures and procedures*

- *Emphasises that research is embedded in a research environment*

This unit has been prepared for disciplinary learning groups.

Role Model

Keywords

Learning Objectives

1. *Identify, accept and actively use research infrastructure and procedures*

2. *Acknowledge the existence of research infrastructure and the structure of one research environment in detail*

3. *Justify rules from clear research procedures*

4. *Request that research environments establish clear infrastructures and procedures*

Learning Stages

1. *Introduce the topic*

2. *Motivate by presenting an interesting story*

3. *Engage in storytelling*

4. *Put the pieces together*

5. *Reflect on the research environment*

"Quote about Research Environment"

M1 Path **2** Integrity

1 Introduce the topic:
Homework (before the unit starts) or reading session

Read the paragraph on research environment in "The European Code of Conduct for Research Integrity"

Bring the complete code with you to class, and discuss the meanings of any unknown words.

European Code of Conduct for Research Integrity:

2 Motivate all by introducing an interesting problem:

Read or recall together Hannah's story and briefly flesh out what happened in the conferencing meeting. The protocol shows arguments against a Research Integrity policy. Take your time and consider arguments in favour of a Research Integrity policy. To do so, carefully read the preamble of ECoC's Code of Conduct for Research Integrity *(use QR code or link above)*.

Write your arguments into your notebook!

3 Engage in storytelling:

Pick one person in your class to lead you through the next steps. Move all tables and chairs aside.

Get into groups of 3 to 4, and select one of the following roles for your group:

Part 1: Head of your research faculty

Part 2: Head of a funding agency important in your field

Part 3: Whistleblower

Part 4: Representative of the government

Part 5: Representative of your researchers community

Part 6: Editor of a scientific journal from your field

Part 7: Representative of the young researchers from your field

Familiarise yourself with your role. What guidelines, procedures or infrastructure does your role entail in order to foster good research practice?

Find some online references that outline what your role does in order to foster good research practice. Pick 3 or 4 of the most important ways in which it does this, such as rules, procedures or infrastructures. Each of you should familiarise yourself with one way to foster good research practice. Depict this in big letters on a piece of paper.

4 Put the pieces together:

Place yourselves around the room, holding up your paper. Read what others have written on their papers and find someone whose message goes well with yours. Together, brainstorm a research landscape for your discipline.

Draw the landscape on a piece of paper, and have it photocopied so that it can be passed around.

Meanwhile, start a question-and-answer circle around the room. One person should ask their neighbour: *How and why do you foster research integrity?* The neighbour should give the clearest answer possible and then ask the next student the same question. This should continue until everyone has both asked and answered.

5 Reflect on the research environment:

Move the tables back to discuss the activity as a class.

Together, agree on the most important part of the research landscape for your discipline.

Who was missing in your portrayal?

Where was there a lack of clear infrastructure or procedure in your discipline?

Formulate three statements with the words: *The research environment in our discipline should _____!*

Copy these statements into your notebook.

How can you handle these leaps in your upcoming research? Find solutions together!