# Teaching module: TM5 Technology Assessment Session 3:

Actors and methods of technology assessment

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**Class plan Class time:** 90 min

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| No. | Activity name | Procedure | Teaching guide | Method | Interaction type\* | Expected outcome | Materials | Time allocation |
| 1. | Lecture | 1. Lecture on the actors and methods of TA, example: sLCA
 | * Information on the content of this lecture can be found in the E-book.
* The lecture ends with the introduction of the UNEP-Scheme of social LCA (UNEP 2009, p. 45). The following task is based on this scheme.
 | * Lecture using PowerPoint slides
 | T 🡪Ss | * The lecture introduces actors and their roles in TA processes.
* This is followed by a brief overview of the (categories of) TA methods, so that students can gain an understanding of the contexts in which the sLCA method is used for TA.
* The sLCA method is introduced, giving students an insight into how sLCA is used to address SSH issues within TA.
 | * TM5-S3-RM-01\_ppt\_actors & methods of TA and sLCA
 | 55 min |
| 2. | Brainstorming | 1. The students pair up and brainstorm in pairs about the sLCA of geothermal energy installations
 | * Ask the students to find a partner and brainstorm in pairs about the given questions.
* The students are asked to come up with an sLCA concept for shallow geothermal energy installations that is based on the UNEP guidelines for social LCA.
 | * Interactive Brainstorming
 | T 🡨🡪Ss  | * Application of what has been learned during the lecture.
 | * TM5-S3-RM-02\_UNEP-Scheme\_sLCA
* TM5-S3-RM-03\_Handout brainstorming
* TM5-S3-RM-04\_Handout brainstorming\_teacher
 | 10 min |
| 3.  | Discussion of the brainstorming | 1. Discussion guided by the teacher in which the students reflect and discuss the content of the previous group work
 | * In this discussion guided by the teacher, the students should share the ideas they came up with during the brainstorming session.
 | * Guided discussion
 | T 🡨🡪Ss | * Reflection on the group work and a discussion of the results
 | * none
 | 15 min |
| 4.  | Summary | 1. Summary of the module’s content by the teacher
 | * Content taught during the module and central points of exercises and discussions are highlighted within this conclusion by the teacher.
 | * Lecture using PowerPoint slide
 | T🡪 Ss | * Students are reminded about what has been discussed in all three sessions of the module.
* They should now be aware of the value of this module to their field of study.
* The students should be given the opportunity to share their opinions about the module (e.g. whether their expectations have been met).
 | * TM5-S3-RM-05-ppt\_last slide
 | 10 min |

\* Interaction type:

**T** – teacher

**S** – student

**Ss** – students

**🡪** - one way

**🡨🡪** - two way