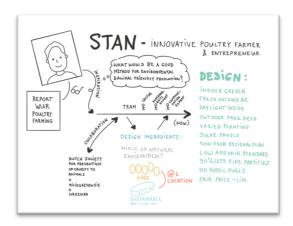






SHORT EXERCISES

Co-designing educational modules



In a nutshell

This document provides a workshop format for the co-creation of educational modules with multiple stakeholders.

What for?

Eventually: to train or educate people on food system transformation, by working with a community on transforming the food system.

For whom?

The primary target group is educators.

How long?

The full format takes + 2 to 3 hours.

Created by

VU University Amsterdam, Athena Institute, Dr. ir. M.G. van der Meij; with suggestions and modulations from ECSITE.

Something to share?

Log in to the *platform* and leave us a comment about this tool. You can also contact Marjoleine van der Meij via m.g.vander.meij@vu.nl

This tool was developed as part of FIT4FOOD2030 project; see this tool and others on the FIT4FOOD2030 Knowledge Hub.

Date of creation: July 2020

How to cite?

Van der Meij, M.G. (2020). Co-designing educational modules for food system transformation; FIT4FOOD2030 tool



What will you gain from this?

Educators that apply the format provided in this document will get (1) a set of competencies that are to be developed among a specific group of learners to support the realization of food system transformation, and (2) a basis for one or a few educational modules that (can) support a specific group of learners in developing this set of competencies.

In addition, the multi-stakeholder co-creation process is also an activity for food system transformation community building.

Participants of the module cocreation process presented here will gain insights in food system transformation, competencies needed for that, views of themselves and other stakeholders on these, and creative energy for the creation of educational modules. Also, they may build new relationships with other, previously unknown stakeholders related to food system transformation.

CO-DESIGNING EDUCATIONAL MODULES

A multifold approach

This document provides a detailed **format** for the co-creation of educational modules with multiple stakeholders. *Part one* of the format can be seen as a preparatory step for module co-creation: it supports educators to involve multiple stakeholders in thinking about *competences* that are needed, among a specific group of learners, to support the realization of food system transformation. *Part two* of the format covers the actual *module co-creation*, in which various tools trigger participants' *out-of-the-box-thinking*. Educators/facilitators can apply both parts together in one workshop, or invite multiple stakeholders for one part and do the other part within the own organization.

In practice¹, certain translation is needed between the outcomes of part one (co-creating competencies) and the input if part two (co-creating out-of-the-box ideas for educational modules). Namely, the list of competencies is ideally converted into (more) specific learning goals as starting point of module co-creation. Additional information for this can be found in this document too. Furthermore, the module(s) as outcome of part two, need(s) to be further detailed and tested after the workshop. In and after that, (multi-)stakeholder commitment needs to be arranged to assure sustainably implementation of the module(s) in the educational system or setting at stake.

Playfulness

To make the format low-threshold and welcoming for a variety of stakeholders that may participate in the educational module cocreation process, the format applies several playfulness principles (cf. Van der Meij et al., 2018). The defining of competencies (part one) includes brainstorming based on a narrative, namely a 'persona': a fictitious character based on real data about food system innovators. The module co-creation (part two) happens through various out-of-the-box-thinking tools for co-creation. Nevertheless, active facilitation is always recommended, to encourage and reward participants' efforts.

¹ This is described in FIT4FOOD2030 Deliverable 6.3, based on reflections of ECSITE on applying this format in several food labs around Europe.

Target audience

This format is designed to be suitable for a variety of stakeholders with certain interest in food system transformation and education: from teachers to civil servants, from students to (innovative) food company owners.

Age of participants

16+

Number of participants

6 people or more (divided in groups of 6 persons)

Number of facilitators

1 facilitator is needed for each 6 participants

Prior knowledge required for participation

It can be helpful if the participants are prepared on food systems and pedagogical thinking; nevertheless the introduction exercise and the various tools embedded in the format help participants to become acquainted with these two types of thinking.

GETTING PREPARED

Set the scene

Before organizing a workshop for educational module co-creation, there must be (a) a clear need for educational modules related to food system transformation in a specific educational setting (e.g. high school, university, professional organization, etc.), (b) multiple stakeholders that can participate in the workshop(s) to help designing the educational module, and (c) an organizer who feels capable to facilitate multi-stakeholder workshops. For the latter, basic skills for the facilitation of co-design sessions or focus groups are useful. Furthermore, ideally, the stakeholders that participate in the workshop are somehow interested to be(come) linked to the institute that is hosting the workshop and/or to the to-be-designed educational module². Knowing the stakes of stakeholders also helps in inviting them to educational module co-creation workshops.

Materials

For an offline workshop:

- Tables, chairs and markers for each participant
- Print of Persona 'Stan' (see Appendix)
- Printed cards about competencies (see Appendix)
- Print of the morphological matrix (see Appendix)
- Blanco paper for brainstorming about modules

For an online workshop:

- A zoom meeting link
- · PDFs of the print-materials listed above, and/or
- A <u>Mural</u> or <u>Padlet</u> environment in which the visuals of the printmaterials are provided as a starting point for brainstorming.
- Mural or Padlet page with the prioritizing matrix

² For example: a food entrepreneur with an interest to hire students who graduate from a particular university track, or a municipality employee looking for local food system solutions.

CO-CREATING COMPETENCIES

DURATION: 1 HOUR

STEP 1 (10 min): **Present a vision of a future proof food system**. This can be a <u>FOOD2030 video</u> or another vision, e.g. created during own workshops on visioning food system transformation³. If the vision is 'information dense', facilitate dialogue among participants to commonly (re-)make sense of it.

STEP 2 (2 min): Place participants in **small groups** (3-4 persons), if possible, based on similarities in their targeted module users (e.g. primary or high school pupils, students, or professionals).

STEP 3 (8 min): Present **Persona Stan** (printed or digitally)⁴. Stan is a fictitious person based on real data about an innovative food entrepreneur (see Appendix A, and Figure 1).

STEP 4 (10 min): Ask groups to **brainstorm** about the following question: If your learner (= the targeted educational module user) would undertake the steps that this Persona took for innovation in the food system, what **knowledge and skills** would this learner need to be(come) like this Persona? Ask groups to write each type of knowledge or skill on a separate Post-it, and place this post-it around the visualization of the Persona (printed, or in an online environment, e.g. Mural or Padlet).

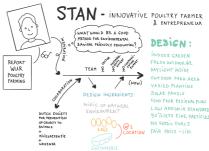
STEP 5 (15 min): Provide the groups with **competence-cards** and a rating matrix (printed or in an online environment like Mural or Padlet), see <u>Appendix B</u>, <u>Appendix C</u> and Figure 1. Ask groups to compare their Post-its of STEP 4 with the competence-cards. If a Post-it is similar to a competence-card, it can be stuck next to or on top of the competence card. If a Post-it is not represented in the set of competence-cards, groups can create a new competence card by writing the keywords on a blank card.

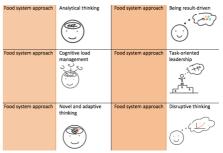
STEP 6 (10 min): Ask groups to **'rate'** the competence-cards by means of the **matrix**, see <u>Appendix C</u> and Figure 1.

STEP 7 (10 min): Facilitate a plenary dialogue about the differences and similarities in the outcomes of the groups (if there are multiple) and/or reflect on the process with the group(s).

Create a bridge to educational module co-creation: Competences located in the top-right of the matrix need the most attention in educational module design. If the workshop is meant to also include an in-between step to formulate (more specific) learning goals for education, please go to Appendix D for more information on this.









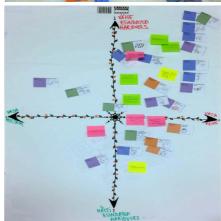


Figure 1
From top to bottom: the FOOD2030 vision-video, Persona Stan, competence cards, brainstorming with the cards, and the matrix-based categorization.

An alternative starting point can be a food (system) trend, showcase or breakthrough (if at hand, and contextually relevant).

⁴ Many more personas can be created than provided here. Food system innovation showcases can be used as inspiration source for creating other personas. The persona of this workshop is based on the company 'Kipster'.

CO-CREATING (OUT-OF-THE-BOX) MODULES

DURATION: ± 2 HOURS

STEP 1 (10 min): Briefly **present** a recap of the brainstorming on **competences** that done earlier (e.g. the matrix).

STEP 2 (5 min): Group participants in pairs, or in groups of three to four persons. Ask them to **select a** set of competences⁵ as topic for their idea generation (depending on the previous workshop outcomes). Ask the groups to familiarize themselves with the selected topic⁶.

STEP 3 (10 min): Give the groups a prepared **morphological matrix**⁷ (printed, or online e.g. via Mural or Padlet, see <u>Appendix E</u>). Also give each group several blank A4 sheets (in an offline setting), or ask them to take an online white canvas in front of them (in an online workshop setting like Mural).

STEP 4 (5 min): Ask groups to **randomly select one box from each row** of the morphological matrix (see Figure 2). Let them re-draw the selected boxes on top of the A4 sheet in front of them (see Figure 2 for an example).

STEP 5 (5 min): Now the **brainstorming** starts. Stimulate participants to brainstorm about how their topic (e.g. one set of competences) and the randomly selected set of boxes could result into a (rough) module idea. Stimulate them to **sketch** as much as they can on a paper (keywords are ok though, see Figure 2 for an example). Everything is possible: from thinking small (e.g. a mini-workshop) to thinking big (e.g. a full curriculum).

STEP 6 (5 min): If there is time, make groups select **another random set of boxes** from each row of the morphological matrix again, and ask them to engage in brainstorming about this set as well.

STEP 7 (15 min): Ask groups to collaboratively **select or combine** multiple created ideas (the ones they like the most⁸) into a coherent module concept. Make them draw / sketch this final concept on a flip-over sheet (keywords are ok).

STEP 8 (10 min): Organize a **pitch**, in which the various groups briefly present their created module concept in 1 minute.

STEP 9 (Optional; 30 minutes extra): Seek commonalities and differences in the module concepts and summarize these plenary. Vote together with all workshop participants which module(s) should be

STEP 11: Make appointments with participants about the further design and implementation of the module(s) to assure after-workshop commitment.







School or community garden project for school children

"A whole class is cooperating, but also taking part in smaller interest-based task teams. This project would take the whole summer, a whole semester or a whole year. Children think up themselves what they want to grow, research how to do it, and actually do it. They must divide work, budget their expenses (that will be the basis of funding they get from the school), plan ahead, build necessary greenhouses, lots etc. A teacher organizes class trips to see the actual production of relevant crops. The selling point is that kids could grow or try to grow whatever they want things that seem unintuitive, impossible or what simply interests them. In a Nordic country it would be challenging to grow grapes, peppers and the sort, but kids could trv.

Figure 2

From top to bottom: an 'empty' morphological matrix, the matrix with randomly selected boxes in each row, a drawing for the brainstorm, an example module idea from a workshop in the FIT4FOOD2030 City Lab in Tartu.

⁵ An alternative option is to use the vision, breakthroughs, showcases or trends as a topic in this step. The starting points of this workshop depend on the workshops organized previously to this one. In the case of City Lab training #3 the previous steps cover visions and competences.

⁶ Additional descriptions can be provided if the previous workshop is well summarized, and/or groups can discuss the topic (in this case competences) on the spot to co-create meaning.

A description of this tool (and its usefulness in a design process) can be found in Tassoul, M, and Buijs, J. (2007). Clustering: An Essential Step from Diverging to Converging. Creativity and innovation management 16(1): 16-26. DOI:10.1111/j.1467-8691.2007.00413.x

⁸ In fact, this decision-making can also be done in a semi-structured way, by thinking of requirements for the modules (before generating ideas) and testing each concept on these requirements. This requirement creation (making a design specification) can be done during this workshop as well, as a step after the introduction. The concept that eventually meets most requirements the best, is chosen for further elaboration.

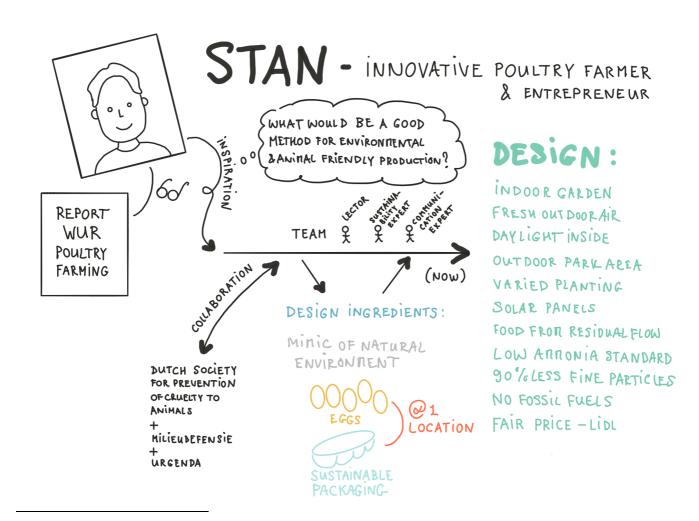
APPFNDIX A

Organizers or facilitators of a module co-creation workshop can either use the following Persona for a workshop on thinking about competences (representing a food innovator in poultry⁹), or create (a) new persona(s) e.g. based on a practical (entrepreneurial or researcher) example of innovative food (system) practice(s) from the local context. The following text could be used to introduce the Persona that is included in this format to participants of a workshop (while giving a printed or online copy of the visualization to the participants / groups of participants, see below):

"Meet Stan. Stan is a farmer and entrepreneur. A little while ago, Stan felt an urge to innovate. His poultry farm was not profitable anymore and he was feeling bad about the way it operated. Stan found a report of the Wageningen University (in The Netherlands) on 'poultry farming' and suddenly saw 'the light'. He posed himself the question: 'What would be a good method for poultry farming that is animal and environmental (and human) friendly?' This question was going to be his major inspiration source for innovation.

Therefore, Stan sought for advise from various Dutch animal and environmental NGOs, and teamed-up with a Lector/entrepreneur, a sustainability expert/entrepreneur, and a communication expert. The major design ingredients for the new poultry farm became 'mimicking the natural environment of poultry' (being a forest with food, clean air, lots of variation and shelter), and 'combining egg production and packaging', to reduce one layer of transport usually needed for egg production.

After having found money and designers to actually realize the poultry farm, the end result became innovative (for the food sector and for poultry) in many ways: an indoor garden with fresh outdoor air, daylight inside, and outdoor park area, varied planting, solar panels, food from residual flow, a low ammonia standard, 90% less fine particles, no fossil fuels, a super-sustainable egg package design, and fairly priced eggs (adjusted to LIDL consumers)."



⁹ Persona Stan is loosely inspired on the showcase about Kipster

APPENDIX B

The tables below are competence cards. Either make them digital in an online environment like <u>Mural</u> or <u>Padlet</u>, or print them and cut along the black lines, fold along the colored lines, so that the 'theme' of each competence is visible ('food system approach', 'multi-stakeholder approach / network building', 'Research & Innovation systems', and 'RRI and Open Science'). By folding the cards, they can be placed on a table in a standing position. If necessary, post-its can be stuck on them (e.g. inside the fold). The competences are based on experiences of ECSITE and an EnRRICH project deliverable on competences for RRI (Tassone & Eppink, 2016¹⁰).

| Food system approach | Analytical thinking | Food system approach | Being result-driven | | |
|----------------------|-----------------------------|----------------------|--------------------------|--|--|
| | | | | | |
| Food system approach | Cognitive load management | Food system approach | Task-oriented leadership | | |
| Food system approach | Novel and adaptive thinking | Food system approach | Disruptive thinking | | |
| Food system approach | Written expression skills | Food system approach | Situational awareness | | |
| Food system approach | | Food system approach | | | |

¹⁰ See Deliverable 2.3 from the EnRRICH project: https://www.livingknowledge.org/fileadmin/Dateien-Living-Knowledge/Dokumente Dateien/EnRRICH/D2.3 The EnRRICH Tool for Educators.pdf

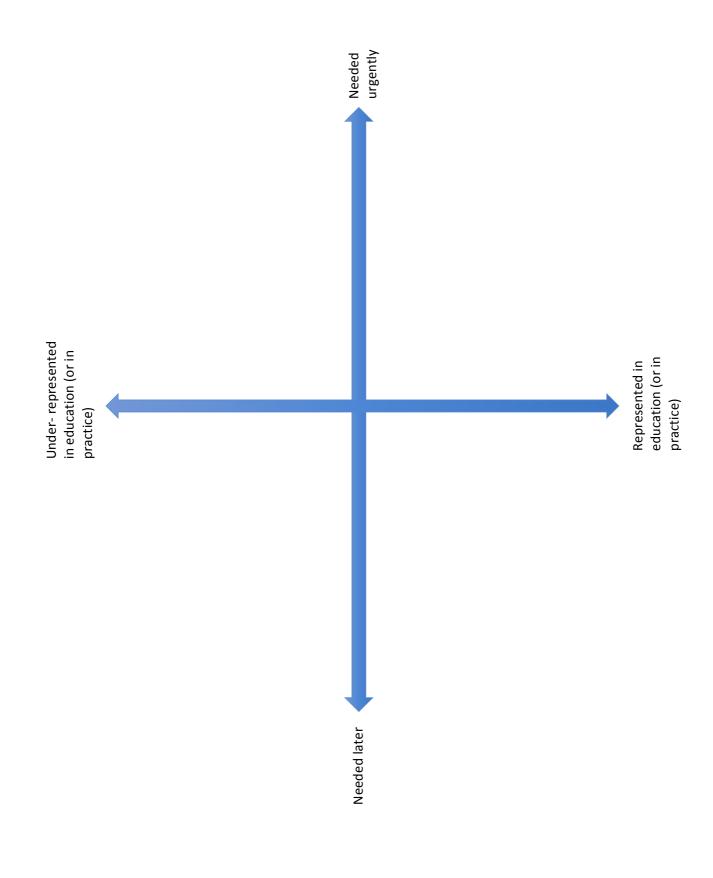
| Multi-stakeholder approach/ Network building | Intercultural communication / competency | Multi-stakeholder approach/ Network building | Social intelligence / awareness |
|--|---|--|---------------------------------|
| Multi-stakeholder approach/ Network building | Self-awareness | Multi-stakeholder approach/ Network building | Virtual collaboration |
| Multi-stakeholder approach/ Network building | Conflict handling | Multi-stakeholder approach/ Network building | Sense-making |
| Multi-stakeholder approach/ Network building | Flexibility | Multi-stakeholder approach/ Network building | Empathy (C;) |
| Multi-stakeholder approach/ Network building | Multi perspective communication / ability | Multi-stakeholder approach/ Network building | |
| Multi-stakeholder approach/ Network building | | Multi-stakeholder approach/ Network building | |

| Danasa I | Na. dankini | D | F. L. C. L. C. | |
|-------------------|-------------------|-------------------|---------------------------------|--|
| Research and | Navigating | Research and | Future-studies | |
| Innovation System | complexity or | Innovation System | abilities | |
| | wickedness | | Mit al grin | |
| Research and | Openness and | Research and | Agency | |
| Innovation System | transparency | Innovation System | | |
| Research and | Computational | Research and | Pro-active | |
| Innovation System | thinking | Innovation System | (A) | |
| | | | | |
| Research and | Critical thinking | Research and | Transdisciplinary | |
| Innovation System | 7 ? | Innovation System | collaboration SciENCE SciENCE | |
| Research and | | Research and | | |
| Innovation System | | Innovation System | | |

| Responsible | Working with citizen | Responsible | (Future oriented) | | |
|----------------|---------------------------|----------------|--|--|--|
| Research and | science platforms | Research and | ethical thinking / | | |
| Innovation and | 0-0 | Innovation and | abilities | | |
| Open Science | 122 | Open Science | \dagger \(\text{\tin}\text{\tett{\text{\tetx{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\ti}\}\tittt{\text{\text{\text{\text{\texi}\text{\text{\texi}\tex{\text{\texi}\text{\text{\text{\texi}\text{\text{\text{\text{\tet{\text{\text{\texi}\text{\text{\texi}\text{\texit{\text{\t | | |
| | 0.000 | | | | |
| | /0/~~~/ | | 407 | | |
| | (\ | | | | |
| 2 11 1 | | | | | |
| Responsible | Well-timed | Responsible | Adaptability | | |
| Research and | engagement | Research and | _ | | |
| Innovation and | 288 | Innovation and | | | |
| Open Science | | Open Science | \sim \times | | |
| | $\bigcup_{Q} \mathcal{L}$ | | QQ (\(\ ₈₈ | | |
| | \bigcap | | (/// , /// | | |
| | | | | | |
| Responsible | Stakeholder inclusion | Responsible | Researcher attitudes | | |
| Research and | in research design | Research and | towards | | |
| Innovation and | processes | Innovation and | open access | | |
| Open Science | . 80 | Open Science | | | |
| | 888 | | · \ () | | |
| | KUK YOU | | \odot | | |
| | OR RESEARCH | | | | |
| | NI, , 888 | | / \ | | |
| | <u> </u> | | | | |
| Responsible | Involving | Responsible | Participatory ability | | |
| Research and | stakeholders in | Research and | | | |
| Innovation and | research data | Innovation and | | | |
| Open Science | collection / analysis | Open Science | | | |
| | <u>~ 888</u> | | | | |
| | | | 48 | | |
| | (RESEARCH) | | | | |
| | ANALYSIS | | | | |
| Responsible | | Responsible | | | |
| Research and | | Research and | | | |
| Innovation and | | Innovation and | | | |
| Open Science | | Open Science | | | |
| Open science | | Open Science | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

APPENDIX C

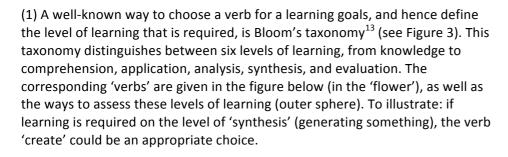
Below the matrix that can be used for competence $\mathsf{rating}^{\mathsf{11}}$

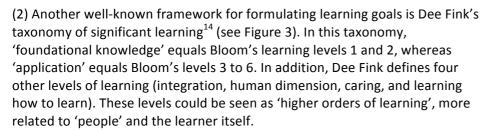


 $^{^{\}rm 11}$ Other dimensions can be put on these axes as well.

APPENDIX D

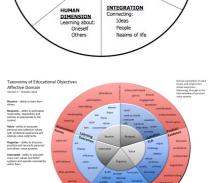
In this appendix we provide additional information on how to formulate learning goals from a workshop on competences. A learning goal (or a learning outcome) is "a statement of what a learner knows, understands, values and is able to do at the end of a period of learning" (Tassone & Eppink, 2016, p 19-20¹²). Mostly, the goal is formulated by means of a phrase starting with "after this module, the student is able to.....". This starting phrase (0) is followed by (1) a 'verb' (e.g. "understand", "connect" or "develop", etc.) and (2) the object of learning and (e.g. "principles of transdisciplinarity") (3) plus the context (e.g. "in food transport (research)"). Depending on one's pedagogical background and preferences, there are various ways to choose which 'verb' to use in the phrase. The easiest way is to use one of the following taxonomies.





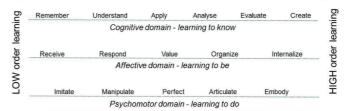
(3) Slightly comparable, Krahtwohl¹⁵ came up with a framework for learning in the 'affective domain' (see Figure 3). It introduces the levels 'receiving', 'responding', 'valueing', 'organizing' and 'internalizing'; each with an own set of action verbs (and ways of assessing) that could be used for formulating learning outcomes/goals.

(4) Last but not least, the EnRRICH project developed a framework for formulating RRI-specific learning outcomes. It partially builds upon the ideas of Krahtwohl (the affective domain), but also uses aspects of Bloom's and Dee Fink's taxonomies, represented in a cognitive domain. Additionally, EnRRICH proposes to adopt a learning level on the psychomotor domain as well. As a result, EnRRICH proposes a framework that distinguishes between three



APPLICATION

Figure 3
From top to bottom: Bloom's taxonomy,
Dee Fink's taxonomy, and Krahtwohl



The EnRRICH learning framework

learning domains, plus a scale from low to high order learning (see Figure 4). To illustrate: the action verb 'create' is seen in this framework as a verb suitable for a learning goal on a high order of learning, in the cognitive domain.

¹² See deliverable 2.3 from the EnRRICH project: https://www.livingknowledge.org/fileadmin/Dateien-Living-knowledge/Dokumente_Dateien/EnRRICH/D2.3_The_EnRRICH_Tool_for_Educators.pdf

¹³ Soo Bloom B. S. Free West of D. Free West of

¹³ See Bloom, B.S., Engelhart, M. D., Furst, E. J., Hill, W. H., Krathwohl, D. R., 1956. Taxonomy of educational objectives: The classification of educational goals. Handbook I: Cognitive domain. New York, David McKay Company.

¹⁴ Fink, D.L. (2003). Creating Significant Learning Experiences: An Integrated Approach to Designing College Courses. San Francisco: Jossey-Bass.

¹⁵ Krathwohl, D. R., Bloom, B. S., Masia, B. B., 1964. Taxonomy of educational objectives: The classification of educational goals. Handbook II: the affective domain. New York, David McKay Company.

All in all, whichever taxonomy is used, learning modules that stimulate learning in various learning domains are known to be the most motivating for students. In university education, a rule of the thumb is that each ECTS credit needs one learning goal. So a course of 6 EC should have about 6 learning goals.

The following steps could be used, in addition to the format for defining competences described in this document, for a multi-stakeholder workshop on formulating learning goals:

STEP 1 (5 min): Introduce the principles of (formulating) **learning goals**¹⁶, either by using a learning goal taxonomy of Dee Fink, Bloom, Krathwohl, or EnRRICH (or another taxonomy that makes sense to you for educational design).

STEP 2 (5 min): Give the participants a printed copy of a **taxonomy**, and ask them to categorize the competences within the taxonomy. Which competence is more likely to require knowledge, understanding, application, analysis, synthesis or maybe even evaluation? (In case Bloom's taxonomy is used). Or in the case that a competence requires learning goals on multiple levels, which combination is needed?

STEP 3 (10 min): Ask participants to **formulate** (one or more) **learning goals** for each competence (card), by using the words given in the taxonomy. E.g. a learning goal for acquiring a competence on 'level 3: Application' (in Bloom) needs to be formulated with the words "after this module, the student/learner is able to 'organize' / 'generalize' / 'solve' / 'show' / 'sketch' / etc. ... (content), in the context of (context)......".

STEP 4 (20 min): Engage in a **plenary discussion** on the identified learning goals:

- In case the participants work in education, can they create links between the learning goals and (their) existing modules? Search for commitment among workshop participants to consciously seek for connections to food system transformation in their existing modules that already work with these learning goals.
- For which learning goals are new educational modules needed? Use the outcome of this discussion for the cocreation of (out-of-the-box) educational modules, described in this document.

¹⁶ Learning goal is seen here as similar to a 'learning outcome'

APPENDIX E

Morphological matrix prepared for module generating¹⁷. Workshop organizers may choose to create a more contextually suitable version of such a morphological matrix in case the one below is not a good fit. In that case, use the matrix given below merely as a source for inspiration on how to make such a matrix for an educational context.

| | | 1 | | 1 | 1 | ı | 1 | 1 |
|-----------------------------------|--------------------|--------------------------------------|--|--|-----------------------|------------|------------------------|------------------------|
| LEARNER'S LEVEL | 2+1 | MID SCHOOL | HIGH SCHOOL | EARLY B3c | LATE B3C | EARLY MSc | END MSC | PROFESSIONAL |
| Discipline /Field | SOCIAL SCIENCES | SCIENCES | ENGINEERING | FINANCE BUSINESS | Policy | ARTS | inter- Disciplinary | TRANS- DISCIPLINARY |
| intelligence / Style | BODY SMART | PEOPLE SMART | WORD SMART | $\frac{\chi^2 + y^2 = z^2}{QR + 2R}$ Logic SMART | NATURE SMART | SELF SMART | DD PICTURE SHART | Music SHART |
| FOOD SYSTEM ELEMENT(S) | - | | | | = -5 | WASTE | MULTIPLE | ALL |
| FOOD 2030 FOOD SYSTEM THEME | | PROCESSING CLIMATE SHART LENV. SUS. | PACKAGING CIRCULARITY & RESOURCE EFFICIENCY | INNOVATION & EMPONERMENT OF COMMUNITIES | DISTRIBUTION | MANAGEMENT | ELEMENTS | ELEMENTS |
| Work(ing) FORMAT | INDIVIDUAL | IN PAIRS | GROUPS | | | | | |
| INSPIRATION /SOURCE | COMHISSIONER | NEWS | SHOWCASES | SELF-INVENTED | Fictitious Project | | | |
| ANOTHER VARIABLE | | | | | | | | |
| | | | | | | | | |
| | | | l | | | | | • |

¹⁷ The third row (intelligence style) is rooted in Gardner's multiple intelligences. A module can be created to suite (more or) one of the intelligences. Ideally, module tasks eventually reflect different intelligences, but for sake of brainstorming it can be nice to take only one intelligence as a 'thinking angle', in order to think out-of-the-box.



Coordinated by:



Partners



































This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 774088