**Unit 2.4: Systems thinking**

## **Overview**

Read this first to find out what you have to do in the [Systems Thinking](https://www.eduacademy.at/phagrarumwelt/mod/book/view.php?id=80979) unit.

In this unit we will be exploring the following

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| **Sustainability tools** | **Content** | **Pedagogy** |
| Systems diagrams | Describing systems | Storytelling |
|  | Circular economy | [Systems thinking](https://www.eduacademy.at/phagrarumwelt/mod/book/view.php?id=80979) |
|  | SCP |  |

#### Sustainability competences for teachers of vocational skills in the hospitality area

As you work through this unit bear in mind the following UNECE competences:  
  
1. The educator understands the basics of systemic thinking  
2. The educator understands the ways in which natural, social and economic systems function and how they may be inter-related.  
23. The educator is able to facilitate the evaluation of potential consequences of different decisions and actions.  
32. The educator is someone who is able to combine different disciplines, cultures and perspectives, including indigenous knowledge and worldviews.

### Explore: Sample the resources

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| Explore | Sample the resources |
| Aim | Sample the resources for this unit and explore one video |
| Time | 45 - 60 minutes, approximately |

**To do:** Take a look at the resources we will be referring to during this unit plus a few extra but only if you have the time and interest

### Challenge 1: Systems diagrams

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| Challenge 1 | Systems diagrams |
| Aim | To introduce the use of systems diagrams for more holistic understanding of a problem. |
| Time | 90 - 120 minutes, approximately plus 60 minutes for live meeting |

**To do**: Describe or draw a system you are familiar with. Make sure to include at least **three** of the system features from the list

### Challenge 2: [Sustainable Consumption and Production](https://www.eduacademy.at/phagrarumwelt/mod/forum/view.php?id=80985) (SCP) cycle

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| Challenge 2 | The [Sustainable Consumption and Production](https://www.eduacademy.at/phagrarumwelt/mod/forum/view.php?id=80985) cycle |
| Aim | To try reframing lessons in terms of the SCP cycle |
| Time | 45 - 60 minutes, approximately |

**To do:** Tell us about how many parts of the SCP cycle system are included in ONE of your lessons or training sessions.

### Challenge 3: Case study

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| Challenge 3 | Case study (choose 1 of 2) |
| Aim | To identify pedagogical opportunities to try out [systems thinking](https://www.eduacademy.at/phagrarumwelt/mod/book/view.php?id=80979) strategies in the case study |
| Time | 45 - 60 minutes, approximately |

**To do:** Listen to the description of a system, Restaurant Moment, and think of ideas for using this system in your teaching or training.

### Learning diary: [Systems thinking](https://www.eduacademy.at/phagrarumwelt/mod/book/view.php?id=80979)

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| --- | --- |
| Learning diary | [Systems thinking](https://www.eduacademy.at/phagrarumwelt/mod/book/view.php?id=80979) |
| Aim | To reflect on what you have learned about [systems thinking](https://www.eduacademy.at/phagrarumwelt/mod/book/view.php?id=80979) |
| Time | 30 - 45 minutes, approximately |

**To do:**  Answer one or more of the suggested questions in your learning diary

### Self-assessment: Competencies and documentation

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| --- | --- |
| Self-assessment | [Systems thinking](https://www.eduacademy.at/phagrarumwelt/mod/book/view.php?id=80979): competences and documentation |
| Aim | To self-assess your competence and document your learning about using [systems thinking](https://www.eduacademy.at/phagrarumwelt/mod/book/view.php?id=80979) strategies in your teaching |
| Time | 20 - 30 minutes, approximately |

**To do:**Complete this short survey

Zuletzt geändert: Mittwoch, 21. März 2018, 13:11