



# POOL OF QUESTIONS

**about worldwide sustainable food  
in the context of a circular economy**



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## BASIC PROJECT INFORMATION

<b>Project title</b>	Green and Sustainable Food Educators
<b>Acronym</b>	Green and Sustainable Food Educators
<b>Project number</b>	1339812
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<b>Website</b>	
<b>Project team</b>	Coordinator: TURUN YLIOPISTO, Finland Euro-Idea Fundacja Społeczno Kulturalna, Poland Youth Europe Service, Italy Horeca Academie bv, Netherlands M.M.C Management center limited, Cyprus Raison seudun koulutuskuntayhtymä, Finland
<b>Author</b>	Panayiota Karanicola MMC Harry Economou MMC
<b>Contributors</b>	ALL PARTNERS
<b>Reviewers</b>	ALL PARTNERS

MICROCREDENTIAL CODE:

**Multiple choice questions:**

**[Write 30 multiple-choice questions and indicate the correct answer for each one. Please provide possible answers and do not make the correct answer obvious.]**

LO

MC Code: 00		LO Number: 00
Question: 00		
Single Choice		
Question		Correct answer [indicate with x]
1	Possible answer	x
2	Possible answer	
3	Possible answer	
4	Possible answer	

**Open Questions:**

**Food research and industry**

**Learning outcomes:**

- **Distinguish** scientific knowledge and expand practical skills like research and analysis
- **Define** the practical application of food science in an industrial setting, including organizational strategy
- **Explain** the theoretical concepts to solve industry problems and adaptation to emerging trends like sustainable production and data-driven solutions
- **Identify** practical, sustainable and effective methods of food waste management in local industries

**Description**

The “ **Food Research and Industry**” micro- credential reveals obtaining scientific knowledge, developing practical skills like research and analysis, gaining an understanding of the food supply chain and its ethical implications, and becoming proficient in communication and teamwork. Learners should be able to apply theoretical concepts to solve industry problems in their own living and working environment in cross- cultural teams, ensure food safety and quality, and adapt to proceeding trends like sustainable production and data-driven solutions.

**Questions:**

1. How do you apply theoretical knowledge to solve practical, existent problems of food waste management in the food industry?

2. Which methods in your opinion are the most effective ones to measure food waste in your industry?
3. How do you work responsibly as part of multi-disciplinary and cross-cultural teams to solve these problems of food waste management?
4. 4. Identify the main causes of food waste in hotel and catering industries

MICROCREDENTIAL CODE: 1.1

LO 1

MC Code: 1.1		LO Number: 01
Question: 01		
Single Choice		
Which teaching approach is most aligned with environmental education?		Correct answer
1	Memorization of facts	
2	Exclusive focus on exams	
3	Hands-on, experimental learning	x
4	Independent study online	

MC Code: 1.1		LO Number: 01
Question: 02		
Single Choice		
Which of the following is a key goal of environmental education?		Correct answer
1	To empower individuals to make informed decisions and take responsible action	x
2	Sharing and renting products to reduce waste	
3	To focus only on local ecosystems	
4	To promote economic growth at all costs	

LO 2

MC Code: 1.2		LO Number: 02
Question: 03		
Single Choice		
Why is environmental education considered essential for sustainable development?		Correct answer
1	It reduces the need for international cooperation	
2	It equips citizens with knowledge and values to address global challenges like climate change	x
3	It focuses only on protecting endangered species	
4	It eliminates the need for environmental laws	

MC Code: 1.2		LO Number: 02
Question: 04		
Single Choice		
In the bicycle model, what does the rear wheel labeled 'Thinking skills' represent in the context of environmental education?		Correct answer [indicate with x]
1	Emotional reactions to environmental issues	
2	Physical strength needed for activism	
3	The motivation to participate in outdoor activities	
4	The ability to analyse, reflect and solve problems related to sustainability	x

MC Code: 1.2		LO Number: 02
Question: 05		
Single Choice		
According to the bicycle metaphor, why is 'Hope' placed near the handlebars?		Correct answer

1	It represents the direction and vision for future action	x
2	It symbolizes the need to steer away from emotions	
3	It controls the speed of learning	
4	It balances the pedals during decision-making	

MC Code: 1.2		LO Number: 02
Question: 06		
Single Choice		
In the bicycle model, what role does 'Participation' play in environmental education?		Correct answer
1	It represents passive observation of environmental issues	
2	It symbolizes the emotional burden of climate change	
3	It refers to barriers that prevent learning	
4	It reflects active engagement and a sense of belonging in environmental action	x

MC Code: 1.2		LO Number: 02
Question: 07		
Single Choice		
Why is leading by example considered a powerful tool in environmental education?		Correct answer
1	It forces others to follow strict rules	
2	It shows that environmental action is only for experts	
3	It avoids the need for discussion or reflection	
4	It inspires others by demonstrating that sustainable choices are possible and meaningful	x

MC Code: 1.2		LO Number: 02
Question: 08		
Single Choice		
What innovative fuel solution does Viking Line use to reduce emissions on its cruise ships?		Correct answer
1	Coal and diesel	
2	Solar panels only	
3	Liquefied natural gas (LNG) and renewable biofuel	x
4	Nuclear energy	

MC Code: 1.2		LO Number: 02
Question: 09		
Single Choice		
How can passengers contribute to a fossil-free journey with Viking Line?		Correct answer
1	By choosing a cabin with fewer amenities	
2	By selecting the fossil-free travel option	x
3	By bringing their own food	
4	By avoiding onboard entertainment	

MC Code: 1.2		LO Number: 02
Question: 10		
Single Choice		
How has Viking Line successfully reduced food waste on its Turku route vessels (Viking Glory and Viking Grace)?		Correct answer
1	Through data monitoring, staff engagement, and passenger awareness campaigns	x

2	By limiting passenger meals to one dish only	
3	By removing buffets entirely	
4	By serving only pre-packaged meals	

MC Code: 1.2		LO Number: 02
Question: 11		
Single Choice		
Which environmental area is especially important to Viking Line's sustainability strategy, given its roots in the archipelago?		Correct answer
1	Protecting the Baltic Sea and reducing emissions	x
2	Expanding operations into the Atlantic Ocean	
3	Building larger ships for mass tourism	
4	Avoiding cooperation with local communities	

MC Code: 1.2		LO Number: 02
Question: 12		
Single Choice		
Which of the followings is a seasonal food ingredient in Finland		Correct answer
1	Lingonberries	x
2	Avocados	
3	Nuts	
4	Grapes	

MC Code: 1.2		LO Number: 02
Question: 13		
Single Choice		
Which of the following is part of technological solutions to manage food waste ?		Correct answer
1	Data Analytics	x
2	Human Resource	
3	Linguistic skills	
4	Farming and fishing	

MC Code: 1.2		LO Number: 02
Question: 14		
Single Choice		
How does AI tackle food waste?		Correct answer
1	Optimizing supply chains	x
2	Improving demand forecasting	x
3	Providing real time waste monitoring	x
4	Consuming the food waste	

MC Code: 1.2		LO Number: 02
Question: 15		
Single Choice		
Intelligent packaging uses sensors to monitor food's ....		Correct answer
1	Humidity	x

2	Temperature	x
3	Freshness	x
4	Color	

MC Code: 1.2		LO Number: 02
Question: 16		
Single Choice		
What is the challenge of AI in food waste management?		Correct answer
1	it's not accurate	
2	It's not quick enough to give data	
3	It cannot speak	
4	The cost of implementing technology and data privacy	x

MC Code: 1.2		LO Number: 02
Question: 17		
Single Choice		
How is AI utilized in catering and hospitality industry food waste prevention?		Correct answer
1	AI can help in monitory of inventory and enabling more precise ordering	x
2	AI can take the food waste for the customers	
3	AI cannot be utilized in these challenges	
4	AI can predict peoples eating habits	

MC Code: 1.2		LO Number: 02
Question: 18		
Single Choice		
Autumn is the harvesting season in Finland for....		Correct answer
1	Root vegetables	x
2	New potatoes	
3	Avocados	
4	Coconuts	

MC Code: 1.2		LO Number: 02
Question: 19		
Single Choice		
Summer is the harvesting season in Finland for....		Correct answer
1	Apples	
2	Root vegetables	
3	Pumpkins	
4	New potatoes	x

MC Code: 1.2		LO Number: 02
Question: 20		
Single Choice		
What is Fab Lab Raseko?		Correct answer
1	A laboratory of handicrafts	

2	A digital fabrication laboratory	x
3	A laboratory established by Raseko's students	
4	A laboratory established by Raseko's teachers	

MC Code: 1.2		LO Number: 02
Question: 21		
Single Choice		
What is the philosophy of Fab Lab?		Correct answer
1	The primary purpose is to strengten students' business skills	
2	The primary purpose is to study handicraft	
3	The primary purpose is to study chemicals	
4	The primary purpose of Fab Lab is to facilitate innovation	x

MC Code: 1.2		LO Number: 02
Question: 22		
Single Choice		
When was Fab Lab opened in Raseko?		Correct answer
1	2016	
2	2018	x
3	2020	
4	2021	

MC Code: 1.2		LO Number: 02
Question: 23		
Single Choice		
In which vocational college is the first Fab Lab of Finland situated?		
1	TAI	
2	Raseko	x
3	Gradia	
4	Novida	

MC Code: 1.2		LO Number: 02
Question: 24		
Single Choice		
In which country was the Fab Lab concept established?		Correct answer
1	Italy	
2	Finland	
3	The United States	x
4	China	

MC Code: 1.2		LO Number: 02
Question: 25		
Single Choice		
What does Raseko's FoodLaboratory provide?		Correct answer
1	Guidance	x

2	Seminars	x
3	Product development	x
4	Education	x

MC Code: 1.2		LO Number: 02
Question: 26		
Single Choice		
FoodLaboratory organizes various courses with themes such as....		Correct answer
1	Cheesemaking and fermentation	x
2	Linguistic skills development	
3	Handicraft and Art	
4	Electric engineering	

MC Code: 1.2		LO Number: 02
Question: 27		
Single Choice		
Aistikattila, a multisensory space located in connection with Flavoria ( University of Turku) is suitable for .....		Correct answer
1	Research and educational use	x
2	Organizing innovation workshops	x
3	Seminars	x
4	Events	x

MC Code: 1.2		LO Number: 02
Question: 28		
Single Choice		
The intelligent food lines in restaurants and canteens have intelligent lunch lines on buffets, which collect data on .....		
1	Long- term data on people’s food choices and bio-waste amounts	x
2	General short – term data on people’s general behaviour	
3	Data of the duration people stay in the restaurants and canteens	
4	Data on human personalities	

MC Code: 1.2		LO Number: 02
Question: 29		
Single Choice		
Which type of qualifications can you achieve in Raseko?		Correct answer
1	Vocational	
2	Further Vocational	
3	Specialised Vocational	
4	Vocational, further vocational and specialised vocational	x

MC Code: 1.2		LO Number: 02
Question: 30		
Single Choice		
When was Raseko established?		Correct answer
1	1952	

2	1958	x
3	1970	
4	1976	

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