



EIT Food Education - Learning Services

Competency Framework

We equip the brightest minds all over Europe
and beyond, with skills and knowledge
to create a sustainable food system



Co-funded by the
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Competency Framework



Underpinning capabilities



Technical capabilities



Thinking activities



Influencing activities



Performing activities



Entrepreneurship



Sustainability



EXPLORE



EXPLORE
Lay the foundations in contributing to the sector.

PRACTICE



PRACTICE
Turn ideas into actions to the benefit of your field of influence.

MASTER



MASTER
Deliver impact within your field of influence and the sector.

INSPIRE



INSPIRE
Transform the system and have an influence that goes beyond your field and the wider sector.

Competency Framework



Sustainability

- **SUSTAINABILITY** is at the core of all competencies. It includes creating healthier lives through food, achieving a net zero food system (including the prevention of biodiversity loss), and creating a fully transparent, fair, inclusive and resilient food supply. All competencies are oriented towards these aims to contribute to food system transformation.



Underpinning capabilities

- **UNDERPINNING CAPABILITIES** is a group of essential transversal competencies that form the foundation for effective action. They can be used in a wide range of settings to drive change in context-specific ways.



Technical capabilities

- **TECHNICAL CAPABILITIES** is a group of key technical competencies that advance readily available skillsets and know-how to accelerate sustainability transitions.



Entrepreneurship

- **ENTREPRENEURSHIP** is the engine for achieving change. It comprises a mindset and key skills to envision, create and implement innovative solutions to challenges in a wide range of contexts including in ventures, industry, academia, policy and NGOs.



Thinking activities

- **THINKING ACTIVITIES** are conceptual and analytical in nature. They support actions that generate and appraise solutions, and challenge established systems and routines.



Influencing activities

- **INFLUENCING ACTIVITIES** are about working with and through others to achieve impact. They support actions that foster collaborations, and engage stakeholders in an honest dialogue.



Performing activities

- **PERFORMING ACTIVITIES** are about technical expertise. They support actions that combine systems approaches with a range of novel technologies to perform food systems transformation.



8 Core Competencies



Underpinning capabilities



Technical capabilities



Thinking activities



Influencing activities



Performing activities



Entrepreneurship



Sustainability



ENTREPRENEURSHIP

The ability to recognise, develop and act on entrepreneurial opportunities in a range of organisational settings, and to play an effective role in new venture formation and growth.



COMMUNICATION

The ability to drive interpersonal communication, and to translate complex ideas for different audiences.



PROBLEM SOLVING

The ability to analyse and understand the problem space, generate new ideas, assess their validity, and co-create solutions.



TECHNOLOGY MANAGEMENT

The ability to use emerging technologies in (radical or breakthrough) innovation processes.



CRITICAL THINKING

The ability to assess facts and evidence to drive decision-making, including constructive questioning of the status quo.



DATA MANAGEMENT

The ability to develop and use digital tools with the purpose of accessing, managing, analysing and interpreting data.



LEADERSHIP

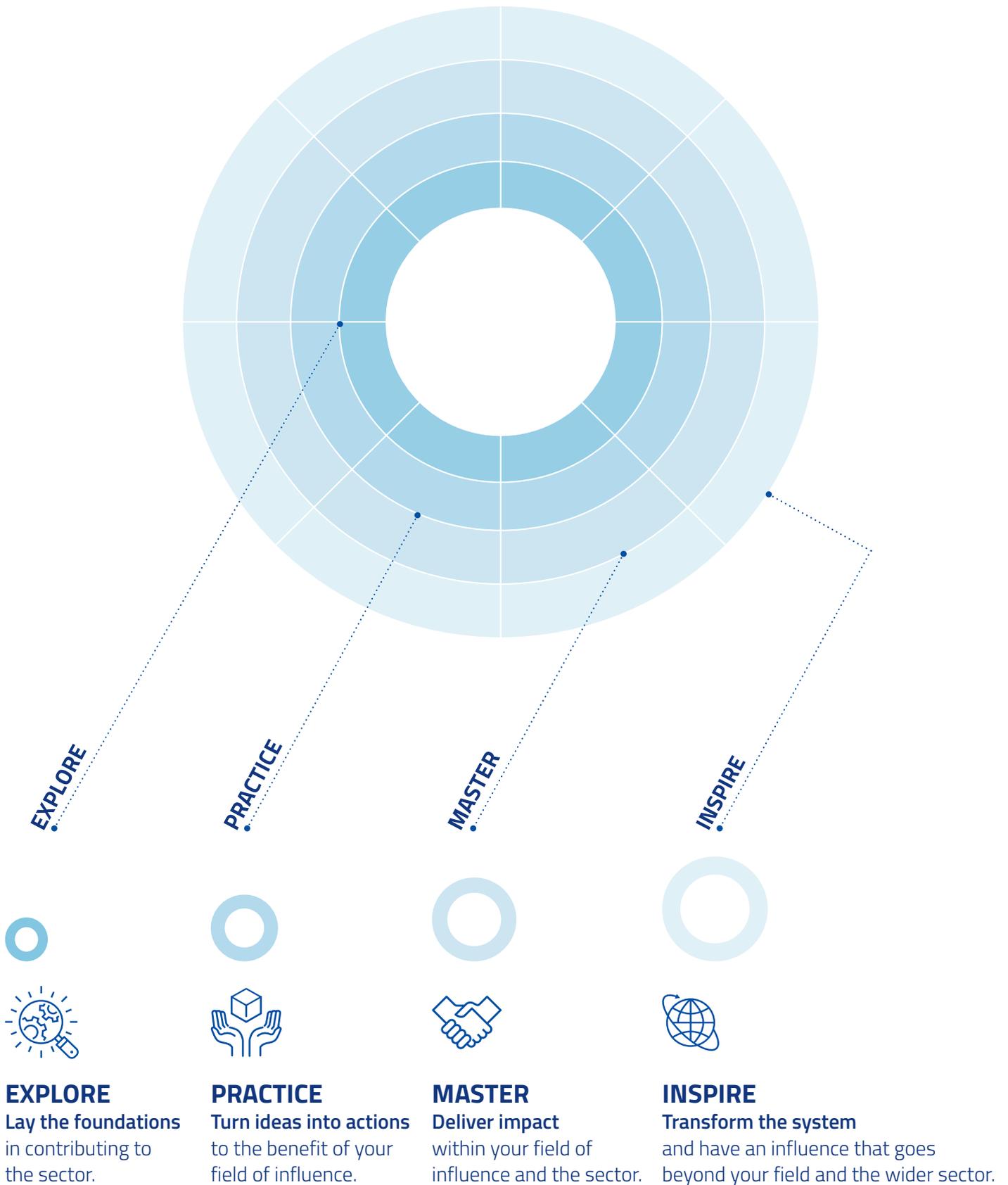
The ability to be an effective leader, and to mobilise resources efficiently to accomplish a goal based on responsible management practice.



FOOD SYSTEMS

The ability to analyse the food system, appraise current and future sustainability challenges, and develop appropriate responses using systems approaches.

4 Levels per Competency



Learning Objectives per Competency Level



FOOD SYSTEMS



DATA MANAGEMENT



TECHNOLOGY MANAGEMENT



ENTREPRENEURSHIP



PROBLEM SOLVING



CRITICAL THINKING



LEADERSHIP



COMMUNICATION



EXPLORE

Lay the foundations in contributing to the sector.

Apply basic systems analysis techniques to describe the food system.

Identify dominant sustainability challenges for the food system.

Recognise how innovations can contribute to achieving societal impact.

Implement effective data management protocols.

Recognise the importance of data security measures.

Identify key unintended consequences of the use of information technologies.

Competently use appropriate technologies to contribute to food system innovations.

Appraise the relevance of emerging technologies in a particular work or study context.

Identify key unintended consequences of the use of emerging technologies.

Recognise the importance of IPR management.

Appraise and articulate the value of opportunities.

Identify and use relevant resources to support the creation of social and environmental value.

Implement effective actions to support the creation of sustainability impacts.

Analyse relevant aspects of the problem space to inform creative thought.

Use basic methods to generate new ideas and to assess their validity.

Contribute to co-creation processes to develop sustainable solutions.

Collect, analyse and report information and data to support the generation of new ideas and approaches.

Recognise the importance of ethical goals.

Implement a food system innovation project in a particular work or study context.

Demonstrate ownership of project goals.

Identify relevant stakeholders and their prominent concerns.

Recognise the importance of inclusive dialogue in food systems transformation.

Implement basic communication methods.



PRACTICE

Turn ideas into actions to the benefit of your field of influence.

Analyse the food system using a range of systems approaches to appraise current and future sustainability challenges.

Implement innovative responses to address sustainability challenges in the food system.

Appraise the efficacy of different digital tools and sensing methods to acquire, manage and manipulate data.

Devise effective data management protocols.

Design effective actions to mitigate key unintended consequences of the use of information technologies.

Implement adequate data security measures.

Mobilise appropriate technologies in innovation processes

Design effective actions to mitigate key unintended consequences of the use of emerging technologies.

Contribute to the development of new technologies for food system transformation.

Manage IPRs.

Create opportunities for social and environmental value creation.

Mobilise resources to create sustainable value for others.

Design and implement effective actions to deliver impact.

Appraise the problem space to identify current and future needs.

Mobilise effective methodologies to generate new ideas.

Appraise the validity of new ideas and co-create sustainable solutions.

Collect, analyse, interpret and report information to develop sustainable solutions to current and future challenges.

Appraise unintended consequences of any course of action to devise ethical goals.

Appraise different strategies to deliver a food system innovation.

Demonstrate leadership towards the implementation of a food system innovation.

Devise effective communication methods that support organisational strategies.

Engage in honest and inclusive two-way communication with stakeholders about their concerns.

Adjust messaging for different audiences.

Learning Objectives per Competency Level



FOOD SYSTEMS



DATA MANAGEMENT



TECHNOLOGY MANAGEMENT



ENTREPRENEURSHIP



PROBLEM SOLVING



CRITICAL THINKING



LEADERSHIP



COMMUNICATION



MASTER

Deliver impact within your field of influence and the sector.



Develop strategies to address current and future challenges using systems approaches.

Design innovative responses to address sustainability challenges in the food system.

Develop strategies for data acquisition, analysis and manipulation.

Develop and lead the implementation of robust data security measures.

Develop strategies to mitigate key unintended consequences of the use of information technologies.

Develop strategies to mobilise and manage technologies in innovation processes.

Develop and lead the implementation of new technologies.

Develop strategies to mitigate key unintended consequences of the use of emerging technologies.

Devise adequate IPR management strategies.

Create opportunities for systemic social and environmental value creation.

Devise strategies to mobilise and leverage resources to create sustainable value.

Design effective actions to scale societal impact.

Critically appraise the problem space to analyse the strategic implications of future choices.

Mobilise effective co-creation methodologies to generate original and sustainable solutions that include relevant voices.

Critically analyse, interpret and report data and information to inform ethical decision making.

Challenge existing practices and knowledge to develop sustainable alternatives.

Influence, persuade and challenge others to transform the food system through innovation and entrepreneurship.

Translate a vision for strategic change into a food system innovation.

Identify, engage with and respond honestly to stakeholder needs.

Develop strategies to deliver effective inclusive communications approaches.

Translate complex ideas for different audiences.



INSPIRE

Transform the system and have an influence that goes beyond your field and the wider sector.



Champion systems approaches to appraise current and future challenges to the food system.

Educate and support others to develop innovative responses to address sustainability challenges.

Educate and support others to use digital tools to support innovations in the food system.

Champion robust data security systems.

Educate and challenge others to appraise and mitigate unintended consequences of technology use.

Educate and support others to use emerging technologies in *(radical or breakthrough)* innovation processes.

Challenge others to apply technologies to, or draw from, different problem spaces.

Educate and challenge others to appraise and mitigate unintended consequences of technology use.

Guide others on their entrepreneurial journey to achieve sustainability goals.

Champion relevant insights into entrepreneurial mindset and practice.

Contribute to sustainability-oriented entrepreneurial ecosystems.

Educate and support others to generate original and sustainable solutions to address food system challenges.

Champion effective co-creation methodologies to include a range of relevant voices in the generation of solutions.

Educate and support others to critically analyse existing practices to develop sustainable alternatives.

Challenge others to base their decision making on an ethical and sustainable basis.

Educate, influence, persuade and challenge others to lead and promote food system transformation.

Create a vision for strategic change of the food system.

Champion effective inclusive stakeholder management.

Demonstrate effective inclusive thought leadership in and beyond the food system domain.



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