



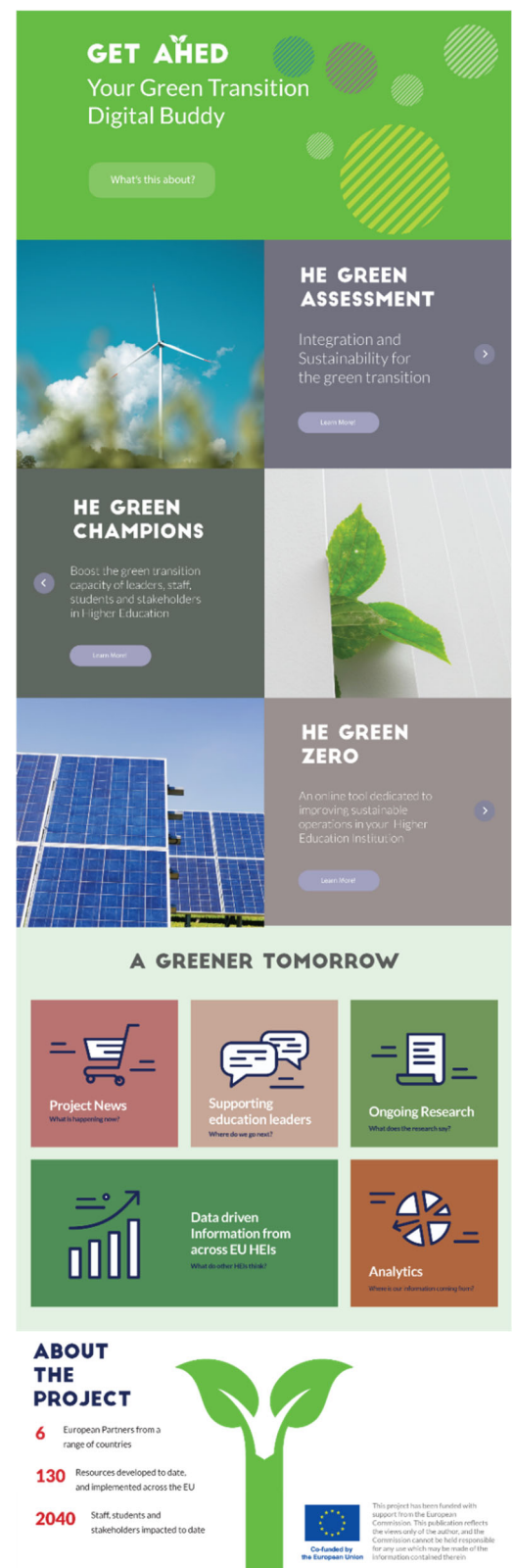
## Green Education & Transition - A Higher Education Online Digital Buddy

### DELIVERABLE 3.1

## Discovery Phase Structure and Repository

## Documents populated into a GET-AHED Repository, Templates and an agreed Structure of Training

31<sup>st</sup> October 2023



Co-funded by  
the European Union

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## Basic project information

<b>Project title</b>	<b>Green Education &amp; Transition - A Higher Education Online Digital Buddy</b>
<b>Acronym</b>	<b>GET-AHED</b>
<b>Project number</b>	<b>101087248 — GET-AHED</b>
<b>Start</b>	February 2023
<b>End</b>	January 2026
<b>Website</b>	<a href="http://www.get-ahed.eu">www.get-ahed.eu</a>
<b>Project team</b>	<div>  WPZ Research GmbH         </div> <div>  universidade de aveiro theoria poiesis praxis         </div> <div>  MTU Óðroði Tæknescólíka na Munster Munster Technological University         </div> <div>  University of Ruse "Angel Kanchev"         </div> <div>  FHV Vorarlberg University of Applied Sciences         </div> <div>           WPZ Research GmbH, Austria (WPZ Research)         </div> <div>           Universidade de Aveiro, Portugal (UAveiro)         </div> <div>           Munster Technological University, Ireland (MTU Hincks and MTU TEL)         </div> <div>           University of Ruse "Angel Kanchev", Bulgaria (URAK)         </div> <div>           FH Vorarlberg – University of Applied Sciences, Austria (FHV)         </div>

## Information on the document/report

<b>Dissemination Level</b>	PU - Public
<b>Due date of Deliverable</b>	31 <sup>st</sup> October 2023
<b>Work Package</b>	WP3
<b>Lead Beneficiary</b>	Munster Technological University (MTU Hincks)
<b>Authors</b>	Rebecca Robinson
<b>Contributing beneficiaries</b>	Project Partners
<b>Type</b>	R – Document, report
<b>Status</b>	Complete

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# 1. Introduction


**GET-AHED** (Green Education & Transition - A Higher Education online Digital Buddy) is to be a **digital platform developed in consultation with a number of associate partner EU ministries, HEI representative bodies and an existing European University alliance** which will provide HEIs across the EU with a range of online tools to enable them to implement the EU's Green Transition and Green Education and Training priorities. GET-AHED will act as a green transition digital buddy for the HE community across the EU. The platform will provide a range of tools to allow a multiple of HE stakeholder groups to **promote and develop whole institutional approaches to sustainability** which will focus on:

- Designing, implementing, and monitoring institution sustainability plans
- Supporting Higher Education leaders, in embedding sustainability into all aspects of the institution's operations
- Supporting staff and students in promoting greater involvement in sustainability initiatives both internally and externally.
- Designing, implementing, and monitoring approaches related to sustainability operations of a HEI and in particular energy and energy related systems.

The final deliverables of GET-AHED will be made available on a user orientated online digital platform and will be promoted with the assistance of associate partner ministries and HE representative bodies. Ideally, the aim of project partners is to have the online tools and associated training initiatives to become the basis of or be integrated into current and future EU led online green transition initiatives. The **GET-AHED digital platform is anticipated to have a reach and impact that will be far greater** than traditional face to face conference, seminar, and other training events. GET-AHED specifically aims to develop the following online tools to be made available on a one stop digital platform to supports HEIs with the green transition.

Section 2.0 gives an overview of WP3, the key milestone, deliverables and objectives relating to this work package.

## 2. Work Package, Milestones, Deliverables

MS10 – WP3 – D3.1 - Discovery Phase Structure and Repository  GET-AHED			
Deliverable	Milestone	Means of Verification	Due
3.1 - Discovery Phase Structure and Repository of Deliverable	No. 10 - Discovery of Structure and templates for proceeding	A diagram will be produced for each HE Green Champion programme showing the HE Green Transition Learning System Structure and will include the dimensions for resource development (Waste, carbon, energy, etc.,) at Leader, Staff, and Student level. Templates for various educational resources will be available for inspections. A repository of existing open-source resources, relevant policy information, websites and initiatives will be available on the GET-AHED Platform. Best practice case studies will be prepared using the pre-agreed templates and available on the GET-AHED Platform.	Month 9 (31 <sup>st</sup> of October 2023)

WP3 is dedicated HE Green Champions which includes D3.1 – Discovery Phase Structure and Repository D3.2 – Design and Development of HE Green Champion Training and Resources D3.3 – Implementation Deliverable.

This WP3 is led by MTU, and all the partners contributed to it. Its aim is to assess the needs of staff, management and students within Higher Education Institutions through a survey which will help inform the design and resources for inclusion on the platform for testing.

To accomplish these goals, WP3 has one main objective, together with three more specific, as described below.

**Main Aim:** Increasing Green Transition capacity in HEs with across HE approaches, recruiting HE leaders, staff, and students as HE Green Champions. This work package (WP3) takes a three-phase approach to development, with distinctive phases for Discovery, Design & development, and Implementation of green transition resources for three cohorts within HEs, namely, leaders, staff, and students.

**Objective 1:** (Deliverable for reporting period 1 months 1-12 consisting of structure and repository)  
- The Discovery phase will explore needs of the three HE cohorts using survey and link with WP2 and WP6 to establish dimensions to structure useful tools and programmes for each cohort, effectively building a comprehensive HE Green Champions Training System Structure and develop templates for programme resource design.

**Objective 2:** (Deliverable for reporting period 2 months 13-24) - The Design and Development Phase will gather and develop suitable training resources from all partners that:  
 ☐ Support HE leaders to embed sustainability into all aspects of the institutions' operations and strategy with relevant training to address green transition gaps specific to the leader's HEI.  
 ☐ Develop support resources, including tools supporting 'How to become a Green Champion', that improve awareness and action to understand and engage in green transition initiatives within and outside of the HE environment for Staff and Students,  
 ☐ Proposed Green Transition tools and resources will be examined and reviewed by all partners with improvement suggestions incorporated.

**Objective 3:** (Deliverable for reporting period 3): Pilot and launch to GET-AHED platform as open-source Green Transition resources. The Implementation phase will pilot agreed training resources with Leaders, Educators, other HEI staff, and students, with pre- and post-testing included to establish the relevant HEGreenChampion programme’s efficacy for that HEI cohort. Following pilot implementation, approved resources will be released on the innovative GET-AHED learning platform and will form a comprehensive and tested HE Green Champions Education System. These training resources will be applied to springboard green transition initiatives across each HEI, linking with local communities and through external partners to the elements within this report. The partners that worked on reaching agreement on the contents presented in this report are:

WP	Collaborator	Partner Institute	 GET-AHED
WP2	Bárbara Coelho Gabriel	Universidade de Aveiro	
WP2	Claudia Figueiredo	Universidade de Aveiro	
WP2	Robertt Valente	Universidade de Aveiro	
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WP5	Jeremiah Spillane	Munster Technological University	
WP5	Geraroid O’Suilleabhain	Munster Technological University	
WP5	Shane Cronin	Munster Technological University	

This report meets the criteria set out in Milestone no.10 associated with Deliverable 3.1 of Work Package 3 of the Green Education and Transition - A Higher Education Digital Buddy – GET-AHED project. The overview of the report in section 3.0 will expand on the key considerations for the milestone associated with WP3, *“Discovery of Structure and templates for proceeding”*.

### 3. Report Overview

The aim of this document is to provide discovery work to develop appropriate training system resources for the green transition across HE for the [GET-AHED](#) project to meet the first objective of the WP and the second milestone.

The information contained in this report will help in identifying important steps and resources necessary when developing the online self-assessment toolkit and learning platform to be included when developing an appropriate training system for the green transition across HEIs.

The report will meet deliverable 3.1 described as a *“repository for policy, (EU and national) supportive resources and case studies of good practice available on the GET-AHED platform and a set of agreed dimensions and templates for population of the HE Green Champions learning system for the GET-AHED platform. This will provide a single source library of information to HE actors and a structure to develop the innovative and relevant training materials for the second phase.”*

The deliverable will be broken down as per the following:

1. A diagram for each HE Green Champion programme showing the HE Green Transition Learning System Structure and will include the dimensions for resource development (Waste, carbon, energy, etc.,) at Leader, Staff, and Student level.
2. Templates for various educational resources
3. A repository of existing open-source resources, relevant policy information, websites and initiatives will be available on the GETAHED Platform
4. Best practice case studies will be prepared using the pre-agreed templates and available on the GET-AHED Platform

## 4. HEGreenChampion Learning System Structure

### 4.1 Overview

A diagram for each HEGreenChampion programme showing the HE Green Transition Learning System Structure was to be created to include the dimensions for resource development (Waste, carbon, energy, etc.,) at Leader, Staff, and Student level.

### 4.2 Development

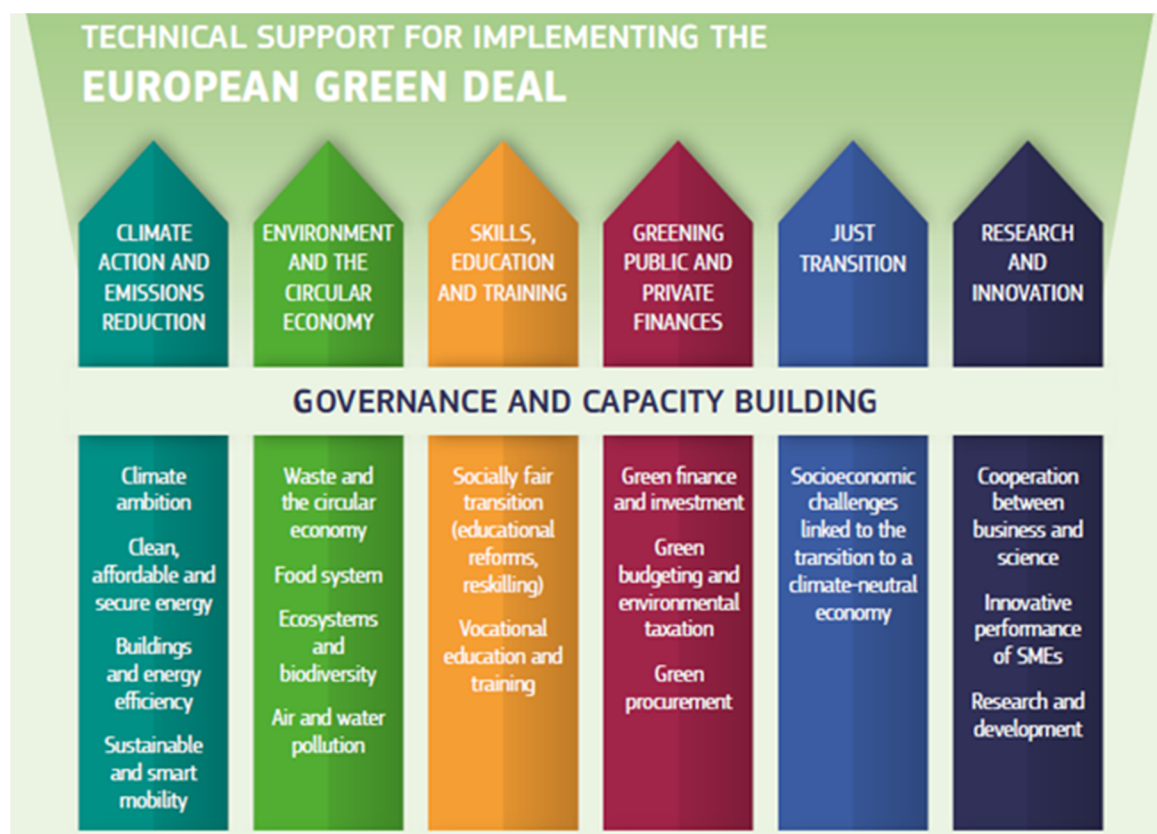
As a first step, it was established that each HEGreenChampion would undergo a unique learning experience with unique goals when using the platform. This would result in a distinct journey when navigating the platform and mapping out this journey is a crucial step in understanding the user experiences and interactions throughout. Through mapping we could establish many considerations that needed to be included in each diagram. These were:

- How the user would engage with the information
- How the user would navigate the platform with ease
- How would their journey differ
- How to tailor content to meet their specific needs and roles
- How would the user access the information
- How to enrich their overall experience for the user
- How to address potential pain points
- How to present the information/ resources
- How would the user track their learning
- How would the user be rewarded
- How would the user assess/evaluate their learning
- Create relevant content

It was considered that since the knowledge and needs assessment survey, from the previous deliverable, concentrated on capturing information primarily related to knowledge gaps concerning the EU Green Deal, the dimensions informing the resource development for the learning system structure should align with these. The 6 pillars for capacity building for the Green Transition in the Learning System Structure are taken from The European Commission Publication “Technical support for implementing the European Green Deal” (Commission, 2020). These six dimensions, and consequently the corresponding modules, are:

- Climate Action and Emissions Reduction
- Environment and Circular Economy
- Skills Education and Training
- Greening Public and Private Finances
- Just Transition
- Research and Innovation





After it was agreed what to consider in the development and what elements should be included, as well as the modules to be covered, the diagram went through a few iterations. After discussions, we agreed on the three structures you see below. It was agreed that the diagram would consist of 8 steps, that all three cohorts would experience the first three steps on the learning system structure in the same way with differences arising when entering step 4.

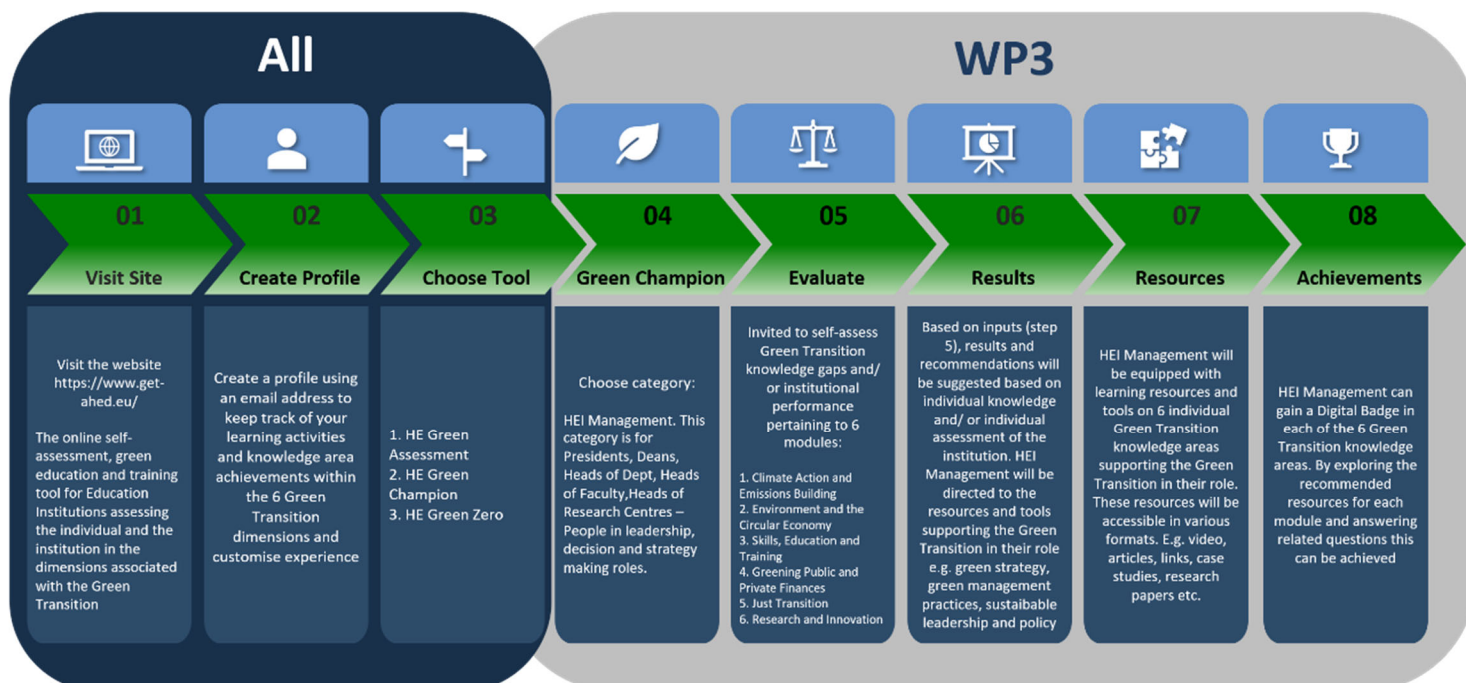
The Diagrams are an eight-step process consisting of the steps outlined below and are presented visually in 4.2.1, 4.2.2 and 4.2.3 for HEI managers, staff and students

8-Step process outlined:

- |                   |                           |
|-------------------|---------------------------|
| 1. Visit Site     | 1-3 same for all users    |
| 2. Create Profile |                           |
| 3. Choose Tool    |                           |
| 4. Green Champion | 4-8 differs for all users |
| 5. Evaluate       |                           |
| 6. Results        |                           |
| 7. Resources      |                           |
| 8. Achievements   |                           |

## 4.2.1 Diagram 1 - HEI Managers

## HEI Management Diagram



**Step 1:** Manager visits the platform

**Step 2:** They are invited to create their profile to track learning and customise experience

**Step 3:** Choose what area they want to assess and build knowledge, skills and attitudes in

**Step 4:** Enter the Green Champion Training for Management: Presidents, Deans, Heads of Dept, Heads of Faculty, Heads of Research Centres – People in leadership, decision and strategy making roles.

**Step 5:** Invited to self-assess Green Transition knowledge gaps pertaining to 6 modules:

1. Climate Action and Emissions Building
2. Environment and the Circular Economy
3. Skills, Education and Training
4. Greening Public and Private Finances
5. Just Transition
6. Research and Innovation

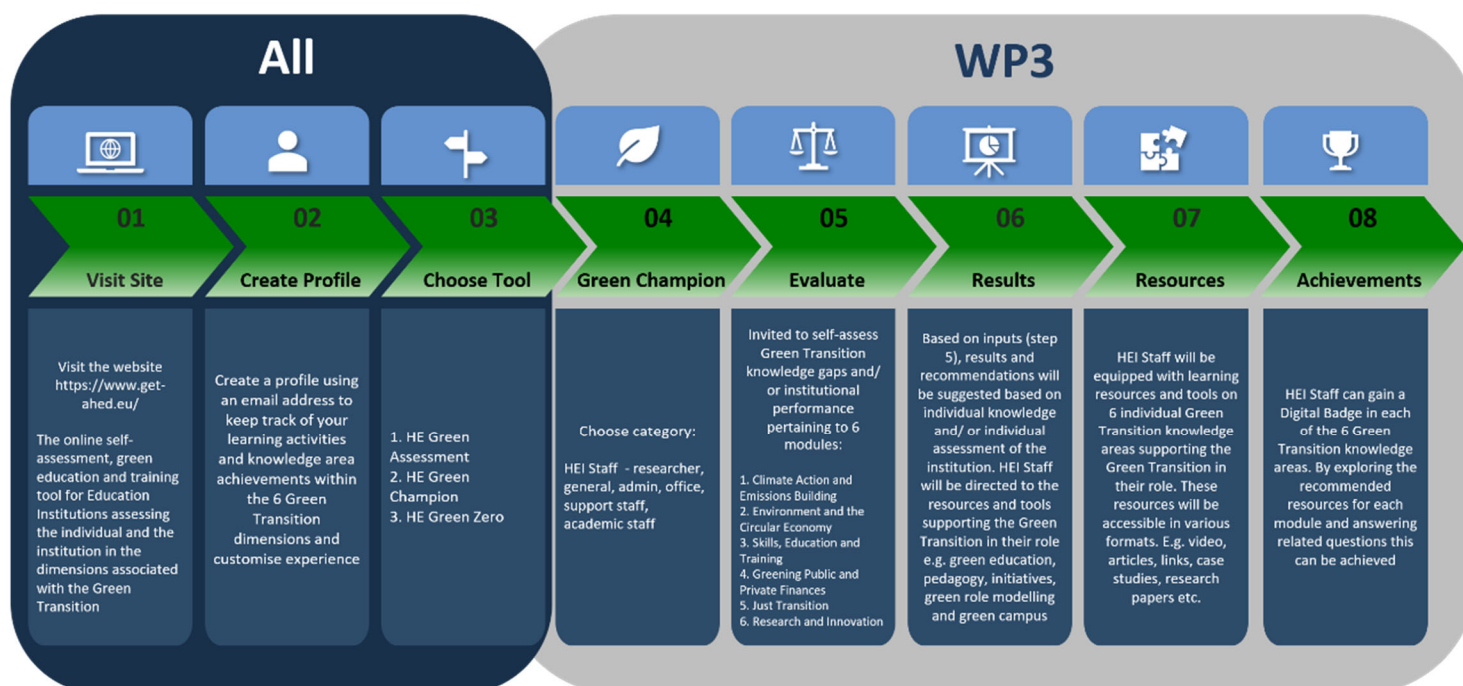
**Step 6:** Based on inputs (step 5), results and recommendations will be suggested based on individual knowledge and/or individual assessment of the institution. HEI Management will be directed to the resources and tools supporting the Green Transition in their role e.g., green strategy, green management practices, sustainable leadership, and policy

**Step 7:** HEI Management will be equipped with learning resources and tools on 6 individual Green Transition knowledge areas supporting the Green Transition in their role. These resources will be accessible in various formats, e.g., video, articles, links, case studies, research papers etc.

**Step 8:** HEI Management can gain a Digital Badge in each of the 6 Green Transition knowledge areas. By exploring the recommended resources for each module and answering related questions this can be achieved

#### 4.2.2 Diagram 2 - HEI Staff

### HEI Staff Diagram



**Step 1:** Staff visit the platform

**Step 2:** They are invited to create their profile to track learning and customise experience

**Step 3:** Choose what area they want to assess and build knowledge, skills and attitudes in

**Step 4:** Enter the Green Champion Training for Staff: Researcher, general, admin, office, support staff, academic staff

**Step 5:** Invited to self-assess Green Transition knowledge gaps pertaining to 6 modules:

1. Climate Action and Emissions Building
2. Environment and the Circular Economy
3. Skills, Education and Training
4. Greening Public and Private Finances
5. Just Transition
6. Research and Innovation

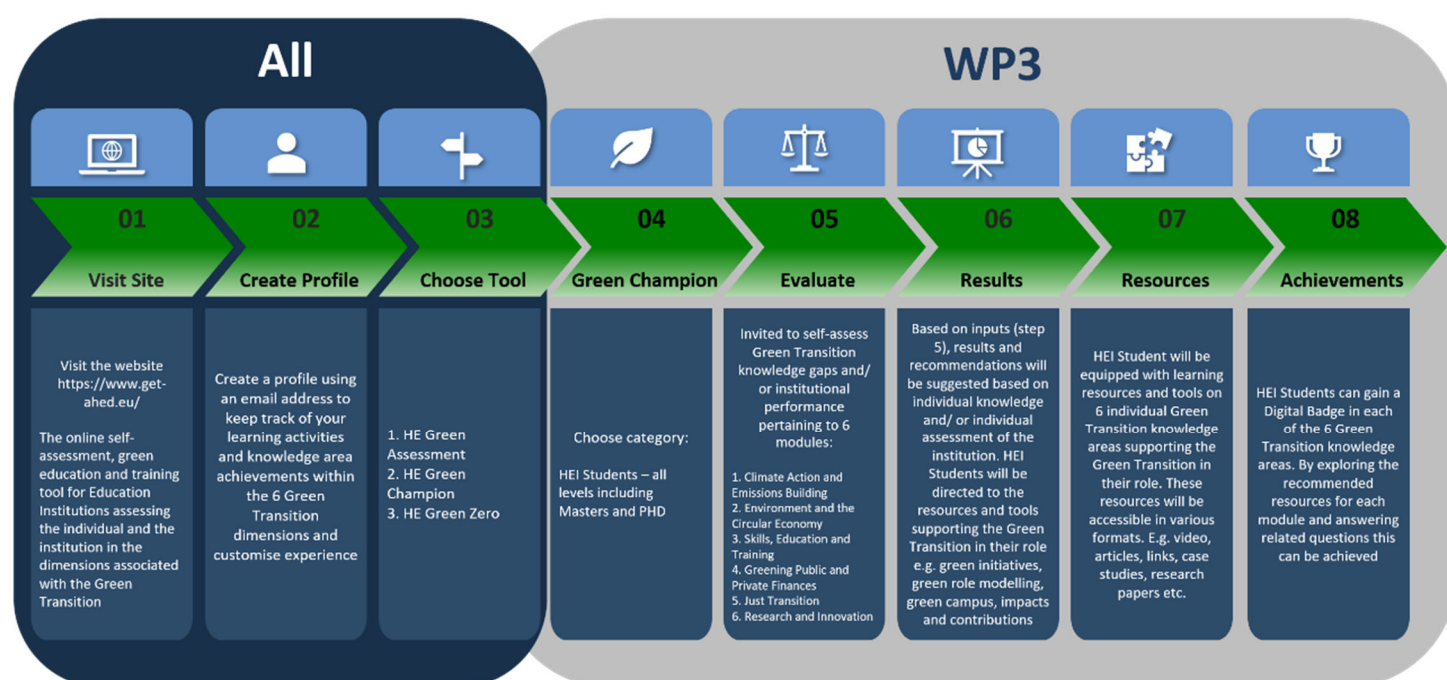
**Step 6:** Based on inputs (step 5), results and recommendations will be suggested based on individual knowledge and/or individual assessment of the institution. HEI Staff will be directed to the resources and tools supporting the Green Transition in their role e.g., green education, pedagogy, initiatives, green role modelling and green campus

**Step 7:** HEI Staff will be equipped with learning resources and tools on 6 individual Green Transition knowledge areas supporting the Green Transition in their role. These resources will be accessible in various formats, e.g., video, articles, links, case studies, research papers etc.

**Step 8:** HEI Staff can gain a Digital Badge in each of the 6 Green Transition knowledge areas. By exploring the recommended resources for each module and answering related questions this can be achieved

#### 4.2.3 Diagram 3 - HEI Students

### HEI Student Diagram



**Step 1:** Students visit the platform

**Step 2:** They are invited to create their profile to track learning and customise experience

**Step 3:** Choose what area they want to assess and build knowledge, skills and attitudes in

**Step 4:** Enter the Green Champion Training for Students: – all levels including Masters and PHD

**Step 5:** Invited to self-assess Green Transition knowledge gaps pertaining to 6 modules:

1. Climate Action and Emissions Building
2. Environment and the Circular Economy
3. Skills, Education and Training
4. Greening Public and Private Finances
5. Just Transition
6. Research and Innovation

**Step 6:** Based on inputs (step 5), results and recommendations will be suggested based on individual knowledge and/or individual assessment of the institution. HEI Students will be directed to the

resources and tools supporting the Green Transition in their role e.g. green initiatives, green role modelling, green campus, impacts and contributions

**Step 7:** HEI Student will be equipped with learning resources and tools on 6 individual Green Transition knowledge areas supporting the Green Transition in their role. These resources will be accessible in various formats. E.g. video, articles, links, case studies, research papers etc.

**Step 8:** HEI Students can gain a Digital Badge in each of the 6 Green Transition knowledge areas. By exploring the recommended resources for each module and answering related questions this can be achieved

## 5. Templates for Educational Resources

### 5.1 Overview

A thorough investigation into diverse options for templates tailored to various educational resources was conducted with the aim on enhancing the learner's online experience. The need for relevant and reliable learning materials is crucial in building trust, a good user experience and revisits as well as a good, structure, flow, look and feel for optimising online learning with thoughtfully designed templates, offering a streamlined and effective approach to educational content creation.

### 5.2 Development

Through the research process and considering the feedback received from the knowledge and needs assessment survey (milestone no.9), we have agreed upon the below templates to house the various educational resources.

These are a combination of a series of self-contained asynchronous modules and a variety of searchable "related resources".

#### 1. A series of self-contained asynchronous modules

Course featuring multiple elements including the learning content itself, media, interactive activities, discussion forums etc. It is granular and tidy. Provides a comprehensive overview of the modules on which to build upon.

#### 2. A hub for any and all resources

A repository where e.g., case studies, papers, OERs, websites, etc. can be made available in a searchable, but ultimately unstructured way. Searching a category, for example, may find 3 case studies, 7 websites, 2 published papers, etc. under a category.

The following are suggested examples of the templates that will be used in the development of the platform. It is noted the WP4 have the capabilities to follow these templates in terms of functions and design. It was agreed upon that these suggested templates would be suitable for the development and integration of information.

### Example 1: Navigation, Introduction, Simple Graphics and Activity

#### 1 - Entrepreneurship Education

86% COMPLETE

- 1.0 Understanding entrepreneurship ✓
- 1.1 Why teach entrepreneurship? ✓
- 1.2 What is Entrepreneurship Education? ⌚
- 1.3 How to teach entrepreneurship ✓
- 1.5 Tools ✓
- 1.6 Summary ✓
- References ✓

Understanding **how entrepreneurship is defined** supports the educator in identifying the desired tangible and intangible **learning outcomes** associated with entrepreneurship education and impacts **how** it is delivered.

#### Activity

Consider the following three questions:

- 1 Who do you consider to be an entrepreneur and **why**?
- 2 What do you think about when you hear the term entrepreneurship? What does it **comprise** of?
- 3 Are there **key attributes** that entrepreneurs have that others don't?
  - If **yes**, what are they?
  - If **no**, what is your reasoning?

CONTINUE

From this example you can see a simple navigation bar on the left-hand side that shows how you have progressed through the module and a continue bar on the bottom when you want to progress to the next section.

After an introduction about a topic, it then asks the learning to consider three questions in an activity as the learning progresses leading towards greater understanding of the topic and questions in mind. This has a clean, clear, simple layout with simple graphics, numbering and colours to distinguish different sections.



## Example 2: Timelines, Links and Highlights

*The word:*

If you translate “entrepreneur” from French, the verb used to **describe** an **action** to “undertake”, “initiate” or “begin” and when we look at the first instance of when the term “entrepreneur” was used in the literature we see that back in 1755.

*First instance:*

Originally appearing in a piece of work produced in the 1720s, though not published until 1755, after his death, Irish – French economist Richard Cantillon **sets the scene** regarding the role that entrepreneurship plays in the economy.

He describes entrepreneurs as the **undertakers of business** and undertaking associated risk in changing markets in their pursuit of uncertain profits **bringing competition** to the **economy**.

Source: <https://www.historyireland.com/volume-21/entrepreneurs/>

In the above example of the template, we can see that it is able to produce a timeline type template, it allows highlighting of key phrases and allows links to external open-source material

## Example 3: References and Videos

*More recent approaches:*

The significant contribution to understanding entrepreneurship is found in Sarasvathy's work. Through her research she has developed a set of **principles** (effectuation) which give insight into how entrepreneurs operate and these principles in turn can be **taught**.

In essence, the entrepreneurial starting point is with the individual themselves – **Who** they are, **what** they have and who they **know**.

Entrepreneurs tend to work out what their **affordable loss** is and tend to work with and through others to co-create rather than predict the future.

(Sarasvathy, 2001)



### Some definitions of entrepreneurship:

The European Commission sees entrepreneurship as:

“acting upon opportunities and ideas and transforming them into value for others, which can be financial, cultural, or social.”

- [European Commission](#)

The OECD defines entrepreneurship as:

“at the heart of national and local economic growth. By innovating and seizing opportunities, entrepreneurs drive national and local economic change and competitiveness. ”

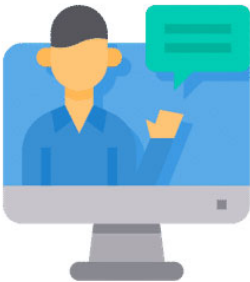
- [Organisation for Economic Co-operation and Development \(OECD\)](#)

The templates above allows the learner to access open-source external videos as well as referencing the source of the information e.g. related to definitions.

**Example 4: Expand on Knowledge**

Narrow definitions of Entrepreneurship Education

Broad definition of Entrepreneurship Education



### About, for, through

Another **common classification** developed over the years gives rise to a suggestion of **how** entrepreneurship education can be taught.

The initial concept developed was “about” and “for” education by Gibb (1993), later Hannon (2005) introduced the concept of teaching “through” education and later again, Pittaway and Edwards (2012) noted that teaching should be “embedded” in education.

A **brief synopsis** of each these classifications are listed below according to the literature. Click the cards to see more:

You can see here that the template has the capability to expand on the information through clicking on the “+” button. Again, references and highlights are available within the text.

A **brief synopsis** of each these classifications are listed below according to the literature. Click the cards to see more:

About

For

Through

Embed

CONTINUE

A **brief synopsis** of each these classifications are listed below according to the literature. Click the cards to see more:

Teach/learn  
entrepreneurship  
education through  
academic study

For

Through

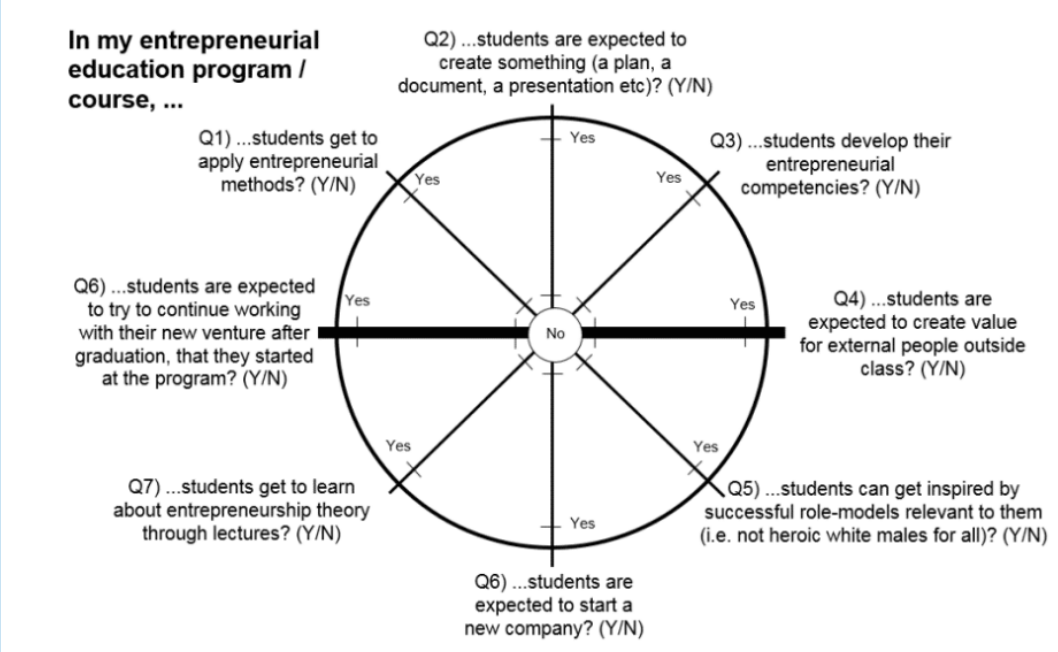
Embed

CONTINUE

The template also has the ability to “reveal” answers or information in a user-friendly, interactive manner.

### Example 5: Images and Files

Please answer the questions in the wheel below and use the .pdf below to **evaluate** your **results**.



**In my entrepreneurial education program / course, ...**

Q1) ...students get to apply entrepreneurial methods? (Y/N) Yes

Q2) ...students are expected to create something (a plan, a document, a presentation etc)? (Y/N) Yes

Q3) ...students develop their entrepreneurial competencies? (Y/N) Yes

Q4) ...students are expected to create value for external people outside class? (Y/N) Yes

Q5) ...students can get inspired by successful role-models relevant to them (i.e. not heroic white males for all)? (Y/N) Yes

Q6) ...students are expected to start a new company? (Y/N) Yes

Q7) ...students get to learn about entrepreneurship theory through lectures? (Y/N) No

**different types of entrepreneurial education.pdf**  
195.1 KB

The above template can house images e.g. diagrams and PDF files for downloading.

**Example 6: Tools**

---

**HEInnovate Tool**

To further underline the **importance** that policymakers are attaching to the entrepreneurship agenda within HEIs, the OECD and EU have **collaborated** to develop a digital **self-assessment** tool which empowers Higher Education institutions to explore their innovative potential.

It guides you through a process of identification, prioritisation and action planning in eight key areas and gives an **instant** result to see how **innovative** your institution is.

 Check out this useful tool here where you can immediate results:  
<https://heinnovate.eu/en>

The template can allow for an explanation for a tool and give an internal or external link to invite participants to take part, e.g. HEInnovate Tool.

### Example 7: Examples

#### Student Activities

These are ideas of **activities** to **inspire**, and **nurture** ideas generations and action learning for your students.

THE APPRENTICE  
COMPETITION

SILVER ESHIP  
COMPETITION

THE ICE YOUNG  
ENTREPRENEUR TR...

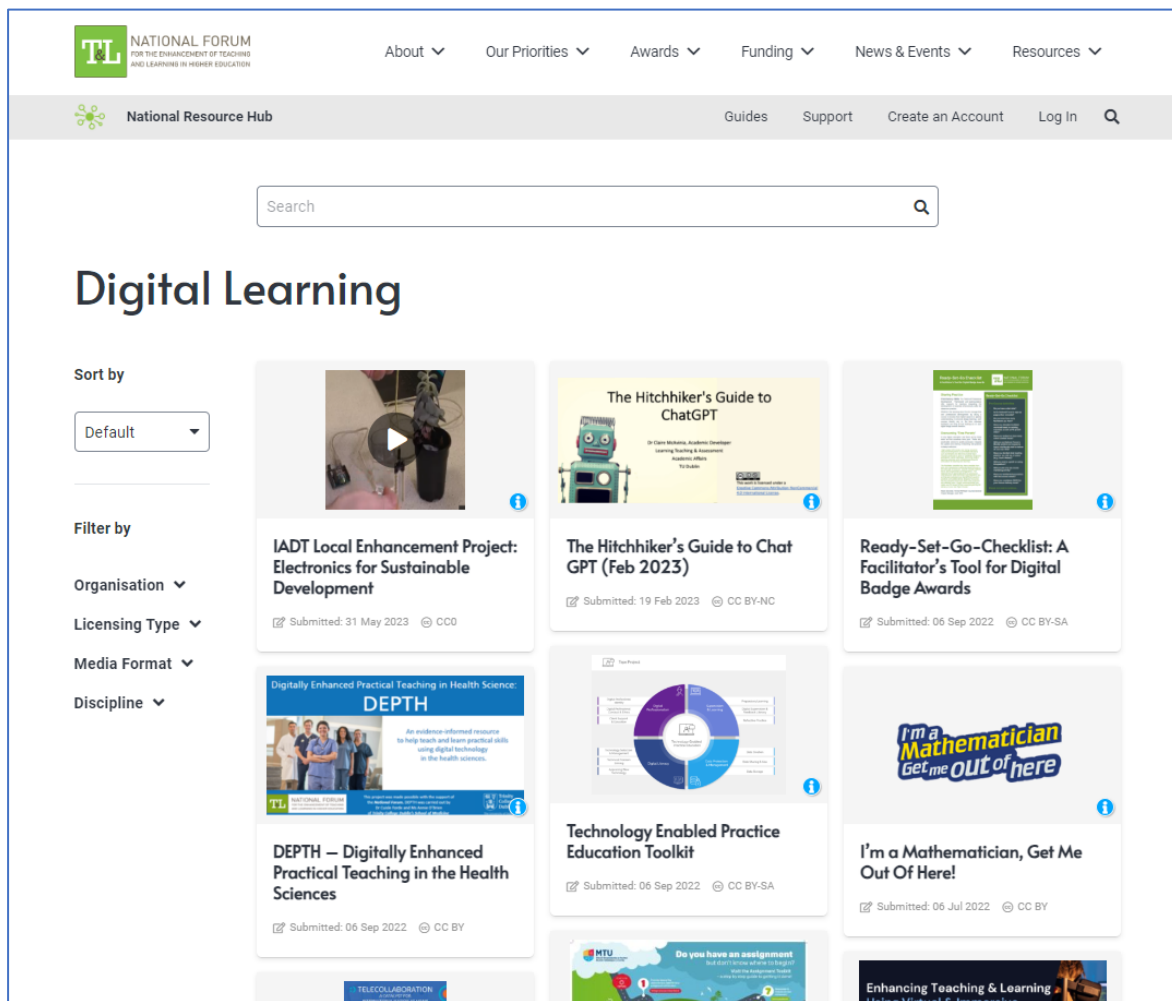
STUDENT  
ENTREPRENEUR OF  
THE Y...

[The APPrentice competition](#) - The APPrentice competition aims to encourage students to flex their creativity in coming up with new and innovative app ideas ranging from areas such as education and entertainment to those with a social entrepreneurship orientation and, while sharing their ideas, be in with the chance of winning prizes for their efforts



The above template goes through an example of cases or examples with the same theme. Participants can access more information from within the examples and compare examples all in the one place.

## Example 8: Repository



Access to resources can be categorised and made searchable as per the above example. Filtering by categories, tags or key words is possible. For examples, case studies will be tagged with key words relevant to the content and will also be allocated a tag for at least one of the 6 module areas and the Dimensions relevant to WP2. This can be replicated for Policy and any other support resources.

## 6. Repository

### 6.1 Overview

In this section we will see a repository for policy, (EU and national) supportive resources and case studies of good practice for the GET-AHED platform. It will consist of existing open-source resources, relevant policy information, websites and initiatives. As information, research, policy and content needs to be kept relevant, updating the repository will be an ongoing process.

### 6.2 Development

The repository will be designed to organise, manage and store valuable resources relevant to the Green Transition. This will provide a single source searchable library of information to HE actors and a structure to develop the innovative and relevant training materials for the second phase. The repository will be searchable by tagging key phrases e.g., “green procurement”, “case studies”, “toolkit”, “policy”, “self-assessment” etc and also tagged per the module it relates to e.g., “Climate Action and Emissions Reduction”, “operations” etc.

This material is set to boost the green transition capacity of internal stakeholders. Staff and students would benefit from their involvement in sustainability initiatives both internally and externally. Components such as fact sheets, videos, quizzes, and training elements designed to increase awareness and drive change are included in these open-source websites. Leaders would benefit by gaining the knowledge to embed sustainability into the operations of a HEI.



## Online Self-Assessment



Design based on the model and principals of the [EU's HEInnovate self-assessment tool](#), some of the tools listed below are set to help people assess themselves in terms of the level of integration of sustainability within their organisation and their lives across a range of indicators and dimensions specific to the EU Green Deal.

In the journey of personal and professional development, self-assessment stands a reflective process that allows individuals to gain deeper insights into their strengths, weaknesses, and overall growth and involves a sincere examination of one's values, skills, beliefs, and goals. It is a continuous process that adapts to the changing landscapes.

	
Carbon Management Assessment	<a href="https://www.creativecarbonscotland.com/carbon-management/tools-and-resources/">https://www.creativecarbonscotland.com/carbon-management/tools-and-resources/</a>
Carbon Footprint Calculator	<a href="https://footprint.wwf.org.uk/#/questionnaire">https://footprint.wwf.org.uk/#/questionnaire</a>
Personal Carbon Footprint	<a href="https://zero.giki.earth/">https://zero.giki.earth/</a>
Decarbonisation Readiness	<a href="https://transitioningtogreen.com/sustainability-assessments/">https://transitioningtogreen.com/sustainability-assessments/</a>
Carbon Toolkit for Business	<a href="https://www.climate toolkit4business.gov.ie/">https://www.climate toolkit4business.gov.ie/</a>
Energy Calculator	<a href="https://www.seai.ie/tools/">https://www.seai.ie/tools/</a>
Solar Energy Calculator	<a href="https://energysavingtrust.org.uk/tool/solar-energy-calculator">https://energysavingtrust.org.uk/tool/solar-energy-calculator</a>
Wind Speed Calculator	<a href="https://www.windspeed.energysavingtrust.org.uk/">https://www.windspeed.energysavingtrust.org.uk/</a>
Home Energy Cost Calculator	<a href="https://c03.apogee.net/mvc/home/hes/profile?utilityname=novec">https://c03.apogee.net/mvc/home/hes/profile?utilityname=novec</a>



## Supplementary HE Green Champion Training



Educational platforms and courses dedicated to environmental sustainability provide accessible and structured learning opportunities. These resources cover a wide range of topics, from renewable energy to circular economy principles, empowering learners to acquire the knowledge needed to drive the green transition forward.

	 GET-AHED
The United Nations Climate Change learning platform	<a href="https://unccelearn.org/course/">https://unccelearn.org/course/</a>
Business Energy Scotland	<a href="https://greenchampions.businessenergyscotland.org/">https://greenchampions.businessenergyscotland.org/</a>
Strategic learning for sustainability	<a href="https://transitioningtogreen.com/strategic-learning-for-sustainability-series/">https://transitioningtogreen.com/strategic-learning-for-sustainability-series/</a>
Sustainability for leadership	<a href="https://transitioningtogreen.com/leadership-for-sustainability/">https://transitioningtogreen.com/leadership-for-sustainability/</a>
Net zero training	<a href="https://portsmouth.netzero-training.com/">https://portsmouth.netzero-training.com/</a>
Zero carbon academy	<a href="https://www.zerocarbonacademy.com/pages/training">https://www.zerocarbonacademy.com/pages/training</a>
Establishing a 'green champions' network	<a href="https://www.iema.net/events/how-to-create-a-green-champions-network">https://www.iema.net/events/how-to-create-a-green-champions-network</a>
Learning for Sustainability Champions Training	<a href="https://www.eauc.org.uk/learning_for_sustainability_champions">https://www.eauc.org.uk/learning_for_sustainability_champions</a>
iie Green Champion online course	<a href="https://www.iie.uk.com/news/iie-announces-new-green-champion-online-course/">https://www.iie.uk.com/news/iie-announces-new-green-champion-online-course/</a>
Green Champions Environmental Engagement (GEP Certified)	<a href="https://www.gepenv.co.uk/training/our-courses/green-champions-environmental-engagement-gep-certified">https://www.gepenv.co.uk/training/our-courses/green-champions-environmental-engagement-gep-certified</a>
The Green Teams Programme	<a href="https://greenteams.ie/">https://greenteams.ie/</a>
50 shades greener education	<a href="https://www.fiftyshadesgreener.ie/education">https://www.fiftyshadesgreener.ie/education</a>

## Green Toolkits and Resources

Green Toolkits serve as bridges between learners and knowledge on green transition topics. By offering structured and accessible information, these toolkits fill knowledge gaps and provide a foundational understanding from which to build upon.

	 GET-AHED
The Green Arts Portal	<a href="https://www.creativecarbonscotland.com/green-arts/gap/">https://www.creativecarbonscotland.com/green-arts/gap/</a>
Guidance on policy-writing, waste and energy use	<a href="https://www.creativecarbonscotland.com/resource-type/guidance/">https://www.creativecarbonscotland.com/resource-type/guidance/</a>
Green templates, tips and resources	<a href="https://www.iie.uk.com/resources/">https://www.iie.uk.com/resources/</a>
University College London green champion resources	<a href="https://www.ucl.ac.uk/sustainable/take-action/staff-action">https://www.ucl.ac.uk/sustainable/take-action/staff-action</a>
Toolkit: Fostering green champions at work	<a href="https://cityswitch.net.au/">https://cityswitch.net.au/</a>
Evaluating Green Champions Report	<a href="https://www.advance-he.ac.uk/knowledge-hub/evaluating-green-champions-their-role-definitions-and-place-heis-carbon-reduction">https://www.advance-he.ac.uk/knowledge-hub/evaluating-green-champions-their-role-definitions-and-place-heis-carbon-reduction</a>
Ideas for Climate Action	<a href="https://www.creativecarbonscotland.com/gap/">https://www.creativecarbonscotland.com/gap/</a>
9 Steps to Go Green	<a href="https://warwick.ac.uk/sustainability/environment/gettinginvolved/greenchampions/student-signup/actions/">https://warwick.ac.uk/sustainability/environment/gettinginvolved/greenchampions/student-signup/actions/</a>
Ideas for environmental action	<a href="https://warwick.ac.uk/sustainability/environment/takeaction/">https://warwick.ac.uk/sustainability/environment/takeaction/</a>

	 GET-AHED
Green Resource Hub	<a href="https://www.uhi.ac.uk/en/students/get-involved/environment-sustainability/green-resources-hub/">https://www.uhi.ac.uk/en/students/get-involved/environment-sustainability/green-resources-hub/</a>
Sustainability and Net Zero – UK	<a href="https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/1080617/Sustainability_Net_Zero_Annex_-_March_2022.pdf">https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/1080617/Sustainability_Net_Zero_Annex_-_March_2022.pdf</a> Document uploaded via email. A Accepted as Stage Complete 1.pdf
Zero environmental impact	<a href="https://www.novonordisk.com/sustainable-business/zero-environmental-impact.html">https://www.novonordisk.com/sustainable-business/zero-environmental-impact.html</a>
Energy management tools	<a href="https://www.dexma.com/blog-en/10-essential-energy-management-tools-for-escos-in-2022/">https://www.dexma.com/blog-en/10-essential-energy-management-tools-for-escos-in-2022/</a>
Energy monitoring tools	<a href="https://esb.ie/what-we-do/smart-energy-services/energy-management-hub">https://esb.ie/what-we-do/smart-energy-services/energy-management-hub</a>
Building a zero carbon Ireland	<a href="https://www.igbc.ie/building-a-zero-carbon-ireland/">https://www.igbc.ie/building-a-zero-carbon-ireland/</a>
Net zero schools project	<a href="https://www.fiftyshadesgreener.ie/education">https://www.fiftyshadesgreener.ie/education</a>
Eco-Management and Audit Scheme (EMAS) for Business	<a href="https://green-business.ec.europa.eu/eco-management-and-audit-scheme-emas_en">https://green-business.ec.europa.eu/eco-management-and-audit-scheme-emas_en</a>

## Policy Documents

Government policies and incentives play a pivotal role in promoting sustainable practices. From tax incentives for renewable energy projects to regulations that encourage eco-friendly practices, these policy measures provide a framework that guides businesses and individuals toward environmentally responsible choices.

These documents serve as a critical resource, offering insights, directives, and frameworks that inform the strategic decisions, legal framework, accountability, measure and impact of the green transition and can aid stakeholders in making informed decisions and aligning their strategies and activities with green policy.



	 GET-AHED
The European Green Deal	<a href="https://eur-lex.europa.eu/resource.html?uri=cellar:b828d165-1c22-11ea-8c1f-01aa75ed71a1.0002.02/DOC_1&amp;format=PDF">https://eur-lex.europa.eu/resource.html?uri=cellar:b828d165-1c22-11ea-8c1f-01aa75ed71a1.0002.02/DOC_1&amp;format=PDF</a>
Green Procurement in Policy	<a href="https://www.gov.ie/en/publication/ccb2e0-the-climate-action-plan-2019/">https://www.gov.ie/en/publication/ccb2e0-the-climate-action-plan-2019/</a>
The Paris Agreement	<a href="https://unfccc.int/sites/default/files/english_paris_agreement.pdf">https://unfccc.int/sites/default/files/english_paris_agreement.pdf</a>
Agenda 2030 Sustainable Development Goals	<a href="https://repositorio.cepal.org/bitstream/handle/11362/40156/25/S1801140_en.pdf">https://repositorio.cepal.org/bitstream/handle/11362/40156/25/S1801140_en.pdf</a>
The EU Adaptation Strategy	<a href="https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=COM:2021:82:FIN">https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=COM:2021:82:FIN</a>
Climate Action and Low Carbon Development Act 2015	<a href="https://www.irishstatutebook.ie/eli/2015/act/46/enacted/en/html">https://www.irishstatutebook.ie/eli/2015/act/46/enacted/en/html</a>
Common Agricultural Policy	<a href="https://www.gov.ie/en/publication/76026-common-agricultural-policy-cap-post-2020/#irelands-cap-strategic-plan-2023-2027">https://www.gov.ie/en/publication/76026-common-agricultural-policy-cap-post-2020/#irelands-cap-strategic-plan-2023-2027</a>
Ireland's policy for International Development, One World, One Future	<a href="https://www.irishaid.ie/media/irishaid/allwebsitemedia/20newsandpublications/publicationpdfsenglish/one-world-one-future-irelands-new-policy.pdf">https://www.irishaid.ie/media/irishaid/allwebsitemedia/20newsandpublications/publicationpdfsenglish/one-world-one-future-irelands-new-policy.pdf</a>
National Adaptation Framework (NAF)	<a href="https://www.gov.ie/en/publication/fbe331-national-adaptation-framework/">https://www.gov.ie/en/publication/fbe331-national-adaptation-framework/</a>
Climate Action Plan 2019	<a href="https://www.gov.ie/en/publication/ccb2e0-the-climate-action-plan-2019/">https://www.gov.ie/en/publication/ccb2e0-the-climate-action-plan-2019/</a>
Green Public Procurement	<a href="https://www.epa.ie/publications/circular-economy/resources/green-public-procurement.php">https://www.epa.ie/publications/circular-economy/resources/green-public-procurement.php</a>
A Green Deal Roadmap for Universities of the EUA	<a href="https://eua.eu/resources/publications/1078:a-green-deal-roadmap-for-universities.html">https://eua.eu/resources/publications/1078:a-green-deal-roadmap-for-universities.html</a>

## Case Studies

Case studies facilitate knowledge sharing among the diverse stakeholders who have different areas of interest. They serve as best practice examples and opportunities to learn from each other the practical insights from both successes and failures guiding stakeholders in their green transition.

	
'Oxygen' project	<a href="https://green-business.ec.europa.eu/green-public-procurement/good-practice-library/oxygen-project-planting-6-million-trees-one-tree-each-inhabitant_en">https://green-business.ec.europa.eu/green-public-procurement/good-practice-library/oxygen-project-planting-6-million-trees-one-tree-each-inhabitant_en</a>
Adopting circular economy principles	<a href="https://green-business.ec.europa.eu/green-public-procurement/good-practice-library/adopting-circular-economy-principles-setting-reclamation-targets-redevelopment-tender_en">https://green-business.ec.europa.eu/green-public-procurement/good-practice-library/adopting-circular-economy-principles-setting-reclamation-targets-redevelopment-tender_en</a>
Building net-zero energy innovation through procurement	<a href="https://green-business.ec.europa.eu/green-public-procurement/good-practice-library/building-net-zero-energy-innovation-through-procurement-construction-headquarters-supreme-audit_en">https://green-business.ec.europa.eu/green-public-procurement/good-practice-library/building-net-zero-energy-innovation-through-procurement-construction-headquarters-supreme-audit_en</a>
Hospital demolition	<a href="https://green-business.ec.europa.eu/green-public-procurement/good-practice-library/hospital-demolition-100-recycling-materials_en">https://green-business.ec.europa.eu/green-public-procurement/good-practice-library/hospital-demolition-100-recycling-materials_en</a>
Green criteria for window cleaning services	<a href="https://green-business.ec.europa.eu/green-public-procurement/good-practice-library/including-green-criteria-window-cleaning-services_en">https://green-business.ec.europa.eu/green-public-procurement/good-practice-library/including-green-criteria-window-cleaning-services_en</a>
Circular economy procurement to road construction	<a href="https://green-business.ec.europa.eu/green-public-procurement/good-practice-library/introducing-circular-economy-procurement-road-construction-city-tampere_en">https://green-business.ec.europa.eu/green-public-procurement/good-practice-library/introducing-circular-economy-procurement-road-construction-city-tampere_en</a>
Public works contracts	<a href="https://green-business.ec.europa.eu/green-public-procurement/good-practice-library/measuring-impact-social-clauses-public-works-contracts_en">https://green-business.ec.europa.eu/green-public-procurement/good-practice-library/measuring-impact-social-clauses-public-works-contracts_en</a>
Energy efficient public lighting	<a href="https://green-business.ec.europa.eu/green-public-procurement/good-practice-library/national-framework-contract-innovation-energy-efficient-public-lighting_en">https://green-business.ec.europa.eu/green-public-procurement/good-practice-library/national-framework-contract-innovation-energy-efficient-public-lighting_en</a>

	
Procuring sustainable computers, printers and related services	<a href="https://green-business.ec.europa.eu/green-public-procurement/good-practice-library/procuring-sustainable-computers-printers-and-related-services_en">https://green-business.ec.europa.eu/green-public-procurement/good-practice-library/procuring-sustainable-computers-printers-and-related-services_en</a>
Promoting accessibility	<a href="https://green-business.ec.europa.eu/green-public-procurement/good-practice-library/promoting-accessibility-through-universal-design_en">https://green-business.ec.europa.eu/green-public-procurement/good-practice-library/promoting-accessibility-through-universal-design_en</a>
Sustainable development while purchasing	<a href="https://green-business.ec.europa.eu/green-public-procurement/good-practice-library/promoting-sustainable-development-while-purchasing-office-chairs_en">https://green-business.ec.europa.eu/green-public-procurement/good-practice-library/promoting-sustainable-development-while-purchasing-office-chairs_en</a>
Purchasing materials for events	<a href="https://green-business.ec.europa.eu/green-public-procurement/good-practice-library/purchasing-materials-events-sustainable-way_en">https://green-business.ec.europa.eu/green-public-procurement/good-practice-library/purchasing-materials-events-sustainable-way_en</a>
Irish Prison Service's mattress recycling initiative	<a href="https://green-business.ec.europa.eu/green-public-procurement/good-practice-library/social-and-environmental-criteria-irish-prison-services-mattress-recycling-initiative_en">https://green-business.ec.europa.eu/green-public-procurement/good-practice-library/social-and-environmental-criteria-irish-prison-services-mattress-recycling-initiative_en</a>
Maintenance of public green spaces	<a href="https://green-business.ec.europa.eu/green-public-procurement/good-practice-library/reaching-social-and-environmental-objectives-through-maintenance-public-green-spaces-0_en">https://green-business.ec.europa.eu/green-public-procurement/good-practice-library/reaching-social-and-environmental-objectives-through-maintenance-public-green-spaces-0_en</a>
Sustainable cleaning services	<a href="https://green-business.ec.europa.eu/green-public-procurement/good-practice-library/sustainable-cleaning-services-and-associated-services_en">https://green-business.ec.europa.eu/green-public-procurement/good-practice-library/sustainable-cleaning-services-and-associated-services_en</a>
Sustainable Procurement Plan	<a href="https://green-business.ec.europa.eu/green-public-procurement/good-practice-library/sustainable-procurement-plan-2021-2024-province-zeeland_en">https://green-business.ec.europa.eu/green-public-procurement/good-practice-library/sustainable-procurement-plan-2021-2024-province-zeeland_en</a>
Climate action – Case studies	<a href="https://supports.failteireland.ie/climate-action-case-studies/">https://supports.failteireland.ie/climate-action-case-studies/</a>
Green Business Case Studies	<a href="https://greenbusiness.ie/wp-content/uploads/2017/02/Case-Studies-Book-long.pdf">https://greenbusiness.ie/wp-content/uploads/2017/02/Case-Studies-Book-long.pdf</a>
Forming a Green-Campus Committee	<a href="https://www.greencampusireland.org/case-studies/case-study-2/">https://www.greencampusireland.org/case-studies/case-study-2/</a>

	
Environmental Review	<a href="https://www.greencampusireland.org/case-studies/environmental-review/">https://www.greencampusireland.org/case-studies/environmental-review/</a>
Action Planning	<a href="https://www.greencampusireland.org/case-studies/gmitletterfracknativewoodlandcasestudy/">https://www.greencampusireland.org/case-studies/gmitletterfracknativewoodlandcasestudy/</a>
Monitoring and Evaluation	<a href="https://www.greencampusireland.org/case-studies/case-study-3/">https://www.greencampusireland.org/case-studies/case-study-3/</a>
Linking to Learning on Campus	<a href="https://www.greencampusireland.org/case-studies/case-study-5-2/">https://www.greencampusireland.org/case-studies/case-study-5-2/</a>
Informing and Involving the Campus and Wider Community	<a href="https://www.greencampusireland.org/case-studies/informing-and-involving-the-campus-and-wider-community/">https://www.greencampusireland.org/case-studies/informing-and-involving-the-campus-and-wider-community/</a>
Green Charter	<a href="https://www.greencampusireland.org/case-studies/green-charter/">https://www.greencampusireland.org/case-studies/green-charter/</a>
Green Transition in EU regions	<a href="https://publications.jrc.ec.europa.eu/repository/handle/JRC130517">https://publications.jrc.ec.europa.eu/repository/handle/JRC130517</a>
Case studies from Scottish Cultural Organisations	<a href="https://www.creativecarbonscotland.com/resource-type/case-studies/">https://www.creativecarbonscotland.com/resource-type/case-studies/</a>
Maynooth University Energy Management Programme – TZC Case Study	<a href="https://tzc.ie/maynooth-university-energy-management-programme-tzc-case-study/">https://tzc.ie/maynooth-university-energy-management-programme-tzc-case-study/</a>
Just Transition: Lessons for Ireland	<a href="https://www.nesc.ie/publications/four-case-studies-on-just-transition-lessons-for-ireland/">https://www.nesc.ie/publications/four-case-studies-on-just-transition-lessons-for-ireland/</a>

In conclusion, the supportive resources converge to create a comprehensive ecosystem that empowers individuals and organisations to actively contribute to the green transition.



## 7. Best Practice Case Studies Template

### 7.1 Overview

This section will demonstrate a best practice case study template, prepared using the pre-agreed suggested template that will be available on the GET-AHED Platform. This is similar to [Example 7: Examples](#) in this document.

### 7.2 Development


The case studies template will have three sections to populate:

1. Overview
2. Details
3. Green Transition Areas and Impacts


Each case study will be linked to at least one of the 6 modules where this will be visible in the last tab “Green Transition Areas and Impacts”. This will make the case studies searchable by using key work searches and tagging as well as complementing the learning in a particular area. Eg.

- Climate Action and Emissions Reduction
- Environment and Circular Economy
- Skills Education and Training
- Greening Public and Private Finances
- Just Transition
- Research and Innovation

#### Part 1: Overview

Overview	Details	Green Transition Areas & Impacts
<p>Croke Park Stadium is home to Ireland’s largest sporting and cultural organisation, the Gaelic Athletic Association, and is located close to Dublin City Centre. With a capacity of 82,300, it hosts a wide range of games, events, meetings and concerts each year. It has a popular museum and offers stadium tours. Croke Park was the first stadium in Ireland and Great Britain to be certified in both ISO14001 (Environmental Management) and ISO 20121 (Sustainable Event Management).</p> 		

## Part 2: Details

Overview	Details	Green Transition Areas & Impacts
<p><b>GETTING STARTED</b> </p> <p><i>“Setting goals is central to our sustainability journey. An early ambitious goal which we set for ourselves was to have zero waste to landfill by 2020. We set that goal in 2008 and, by measuring and controlling waste, we achieved it ahead of schedule in 2014. This instilled a great sense of pride in the team and motivated us to keep stretching ourselves in this area. It also attracted new business for us, especially for concerts and events.”</i></p> <p style="text-align: right;">Shauna Conroy, Business Development Executive, Croke Park</p> <p>In other areas... An overall Building Management System (BMS) installed in 2009 helps monitor energy and water efficiency throughout the stadium, and monthly meetings are held to review same. Sensor-activated lighting has been installed and electricity usage is timed to correspond to event needs. Management work closely with contractors to uphold site rules regarding sustainability. For catering, local suppliers are used and the provenance of the food is communicated on menus. Croke Park has two off-site polytunnels for growing produce used by the resident chef. It also has an off-site bee farm from which little pots of honey are produced and used in the menus.</p>		

## Part 3: Green Transition Areas and Impacts

Overview	Details	Green Transition Areas & Impacts
<p>Impacts in the areas of:</p> <ul style="list-style-type: none"> <li>• Reducing single-use waste at meetings and events</li> <li>• Biodiversity</li> <li>• Food security</li> <li>• Certification in Environmental Management Systems</li> <li>• Green Waste Management</li> <li>• Carbon reduction initiative</li> <li>• Environmental sustainability</li> <li>• Energy efficiency</li> <li>• Recycling</li> </ul>		

- ✓ CLIMATE ACTION AND EMISSIONS REDUCTION
- ✓ ENVIRONMENT AND THE CIRCULAR ECONOMY
- ✓ GREENING PUBLIC AND PRIVATE FINANCES
- ✓ RESEARCH AND INNOVATION

## 8. Conclusion

In conclusion, this repository containing policy documents at both EU and national levels, supportive resources, and insightful case studies of best practices, serves as an invaluable knowledge hub for Higher Education (HE) actors.

The amalgamation of EU and national policies within this repository provides a comprehensive understanding of the legislative landscape, offering a roadmap for universities and institutions engaged in the green transition. This consolidated resource pool not only fosters awareness but also ensures compliance and alignment with stakeholder goals.

The inclusion of supportive resources offers a toolkit for HE actors to navigate the complexities of implementing green initiatives, making informed decisions and driving sustainable practices within the higher education sector.

Furthermore, the repository's rich collection of case studies serves as a source of inspiration and practical insights. By showcasing successful sustainability initiatives, institutions can learn from real-world experiences, understanding the nuances of implementation, overcoming challenges, and replicating effective strategies in their unique contexts.

The integration of agreed dimensions and templates for the HE Green Champions learning system brings structure and coherence to the dissemination of knowledge. This structured approach not only streamlines structure of the learning system but also ensures consistency and relevance in the training materials developed for the second phase of the GET-AHED platform.

As a result, HE actors now have access to a single-source library of information, creating a space for knowledge exchange, innovation, and continuous improvement. The repository, with its wealth of information and structured learning dimensions, empowers HE Green Champions to take proactive steps in towards the green transition within their academic spheres.

## 9. References

Commission, E., 2020. [Online]  
Available at: <https://reform-support.ec.europa.eu/system/files/2021-03/2020.2329-final-web.pdf>  
[Accessed 23rd October 2023].