

## **INTERREG MED Programme 2014-2020**

### **BLUEfasma**

*Empowering innovation capacity of SMEs, maritime clusters  
and networks in MED islands and coastal areas to support  
blue circular economy growth in fishing/aquaculture*

### **Deliverable 3.2.3 - Manual for the updated circularity self-assessment tool**

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## TABLE OF CONTENTS

1.	INTRODUCTION.....	3
2.	BLUEFASMA CIRCULARITY SELF-ASSESSMENT TOOL MANUAL.....	4
2.1	How to register or sign in .....	4
2.2	How to use the tool .....	7
2.2.1	Home page of the tool .....	7
2.2.2	1 <sup>st</sup> Section: <i>Introduction</i> .....	8
2.2.3	2 <sup>nd</sup> Section: <i>Company's building facilities</i> .....	11
2.2.4	3 <sup>rd</sup> Section: <i>Company's general approach</i> .....	13
2.2.5	4 <sup>th</sup> Section: <i>Eco-design, Equipment, Energy efficiency</i> .....	16
2.2.6	5 <sup>th</sup> Section: <i>Choice of suppliers</i> .....	19
2.2.7	6 <sup>th</sup> Section: <i>Distribution channels</i> .....	20
2.2.8	7 <sup>th</sup> Section: <i>Waste Recovering and Repurposing</i> .....	22
2.2.9	8 <sup>th</sup> Section: <i>Company's Willingness towards Circular Economy</i> .....	26
2.3	Tool results .....	29

This document includes detailed guidelines on how to use the BLUEfasma circularity self-assessment tool and description of the results it produces.

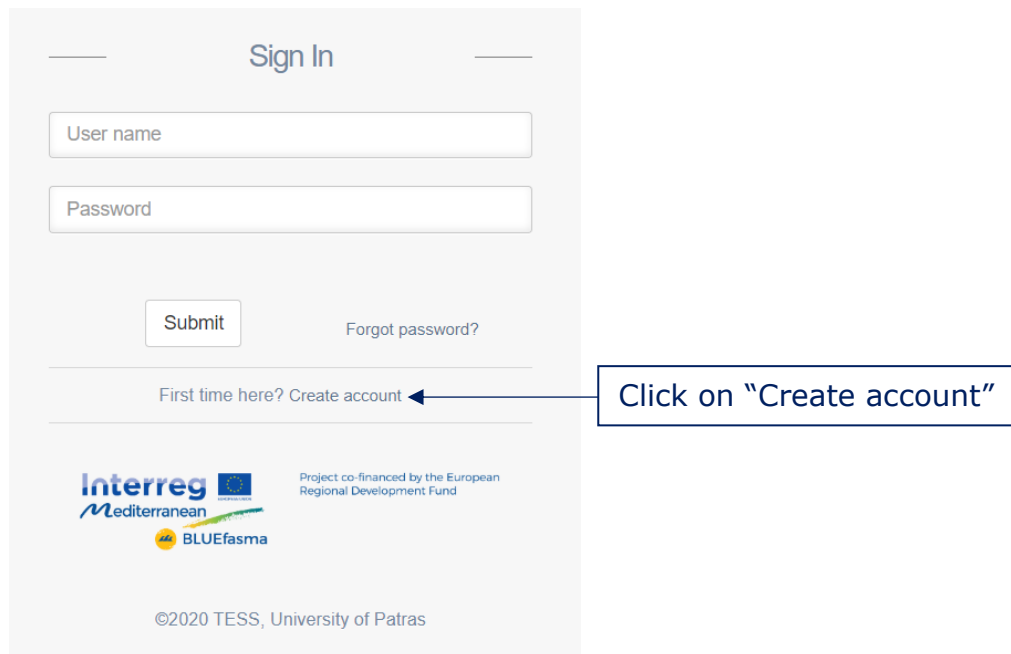
## 2. BLUEFASMA CIRCULARITY SELF-ASSESSMENT TOOL MANUAL

The users of the BLUEfasma circularity self-assessment tool can access the tool by following the link: <http://bluefasma.upatras.gr/>

### 2.1 How to register or sign in

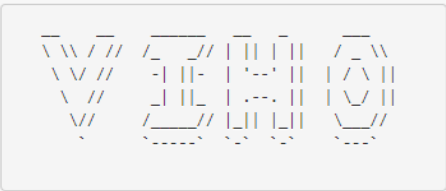
When entering to the tool, the user has to either sign in or register for an account.

If a user wants to sign up for an account then he/she has to follow the instructions below.



For creating a new account, the following information is needed.

### New account



☐ Please note that by using this tool you confirm that you have read the following excerpt on GDPR and give BLUEfasma project partners your explicit consent for collecting and using your personal data and the information given during using the tool. The collection of personal information is intended only for the express purpose of this survey and BLUEfasma project implementation/ management. BLUEfasma project is committed to respect and protect the privacy of personal data collected. The project partners regard your personal data as confidential information and will never communicate it to third parties. BLUEfasma processes your personal data strictly in accordance with Regulation (EC) No 2016/679 of 27 April 2016.

☐ Please note that by registering to this tool you automatically agree to become member of the BLUEfasma e-network, using the same credentials to log in the tool and the e-network. You also agree and consent to receive electronically communication material on BLUEfasma.

Enter your full name

Enter a valid email address

Enter your desired username

Enter your desired password

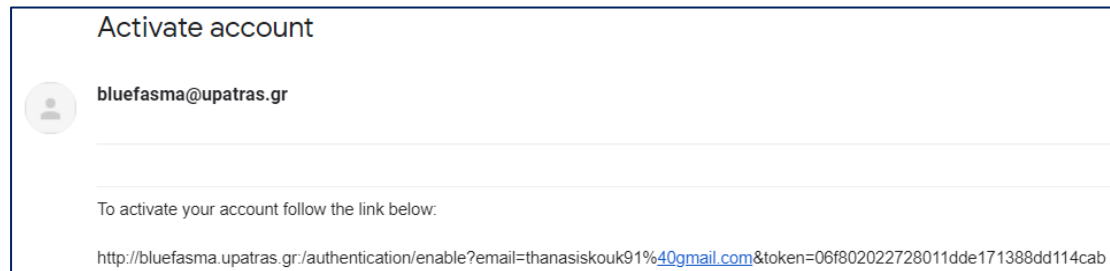
Retype your password

Enter the CAPTCHA as displayed above

Read the terms and click that you agree

Click on "Submit"

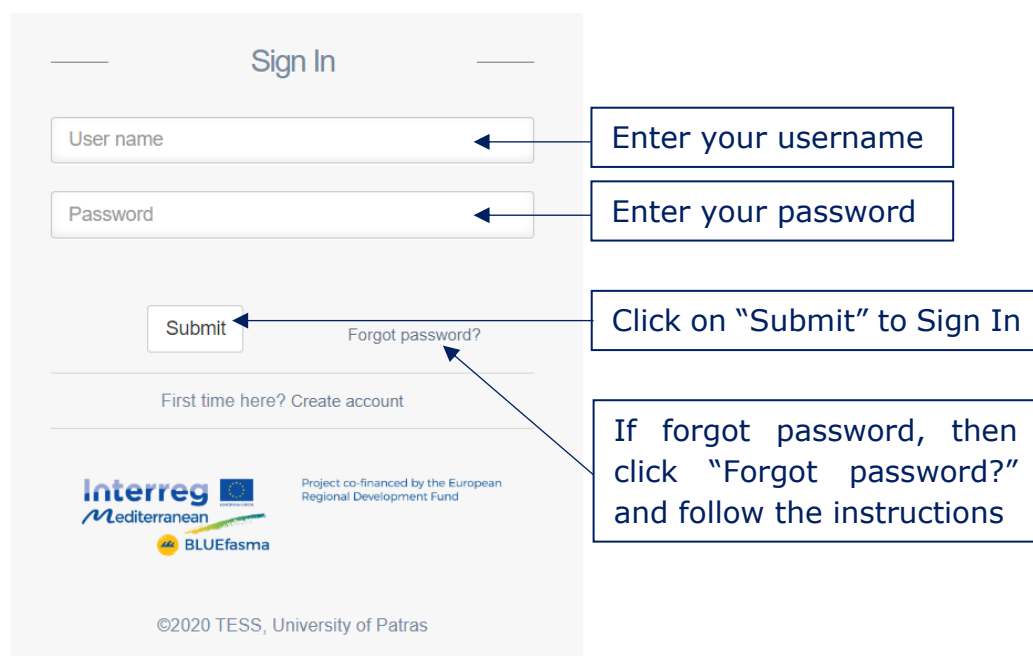
After clicking on the "Submit" button, a confirmation email is automatically sent to the user's registered email address, as illustrated in the image below.



The user has to follow the instructions included in the email, click on the received link and the account will be activated. If needed, please copy and paste the link on your browser.

Then the user will be able to Sign In.

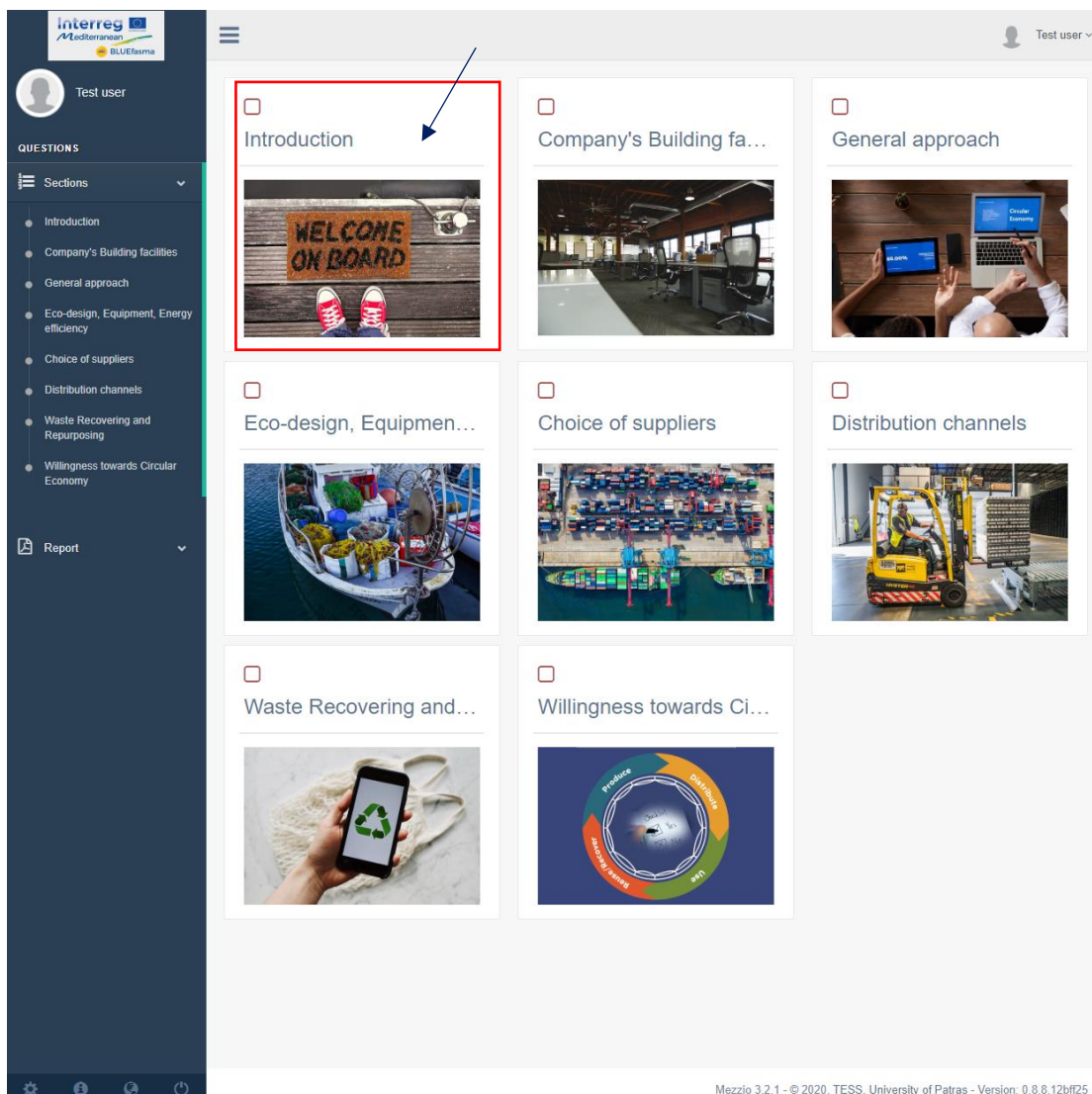
If a user has already registered, then he/she has to enter his/her credentials and sign in.



## 2.2 How to use the tool

### 2.2.1 Home page of the tool

After signing in, the user will be redirected to the home page of the tool. The user has to click on the Section "Introduction" in order to start answering to the questions and completing the Sections. He/she has to complete this Section and then will be automatically redirected to the next Section.



Mezzio 3.2.1 - © 2020, TESS, University of Patras - Version: 0.8.8.12bf25

## 2.2.2 1<sup>st</sup> Section: *Introduction*

After clicking on the first Section "Introduction", the following questions will open.

### Circularity self-assessment tool questions

#### Introduction

1. To what industry is your company related / linked?

Select only one answer

- ☐ Fishing  
☐ Aquaculture  
☐ Both

2. Please enter company's name

3. Please enter company's tax number

Enter company's name and tax number

4. According to legal classification\* your company belongs to:

- ☐ Small and medium-sized enterprise (SME) (10 < Staff headcount <250)  
☐ Micro enterprise (Staff headcount <10)  
☐ Other

\* For more information about legal classification check here [↗](#)

Select only one answer.

More information about classification are available on the provided link.

Enter company's number of employees

5. Please specify the number of company's employees

6. Please select the country in which your company is registered

- ☐ Croatia  
☐ Cyprus  
☐ France  
☐ Greece  
☐ Italy  
☐ Malta  
☐ Montenegro  
☐ Portugal  
☐ Spain  
☐ Other

Select the country in which your company is registered

If chose "Other", specify your country

☒ Other

Please specify your country



The available choices of the NUTS2 are automatically offered in the opening list, based on the answer given in Q.6. Choose one.

7. Please specify the region-NUTS2 (according to NUTS classification\*) in which your company mainly operates

Please specify

\* For more information about NUTS classification check here [☞](#)

If chose "Other" in Q.6 then enter your NUTS2 based on the link provided.

8. Is your region-NUTS2 sensitive to sustainability (e.g. participation in the Covenant of Mayors, developing Sustainable Urban Mobility Plan (SUMP))?

- ☐ Yes  
☐ No  
☐ I do not know

Select only one answer

9. Please select the field/s of your company's activities/operations (you can select more than one answer)

- ☐ Primary production (creation, collection or extraction of raw material)  
☐ Secondary production - processing of goods  
☐ Distribution of products  
☐ Retailers

Select more than one answer, if applicable.

**Attention!**

Your answer(s) in this question **will define the questions in the next Sections!**

**So, think carefully before answering!**

10. Is your company involved in exports?

- ☐ Yes  
☐ No

Select only one answer

Cancel

Temporary Save

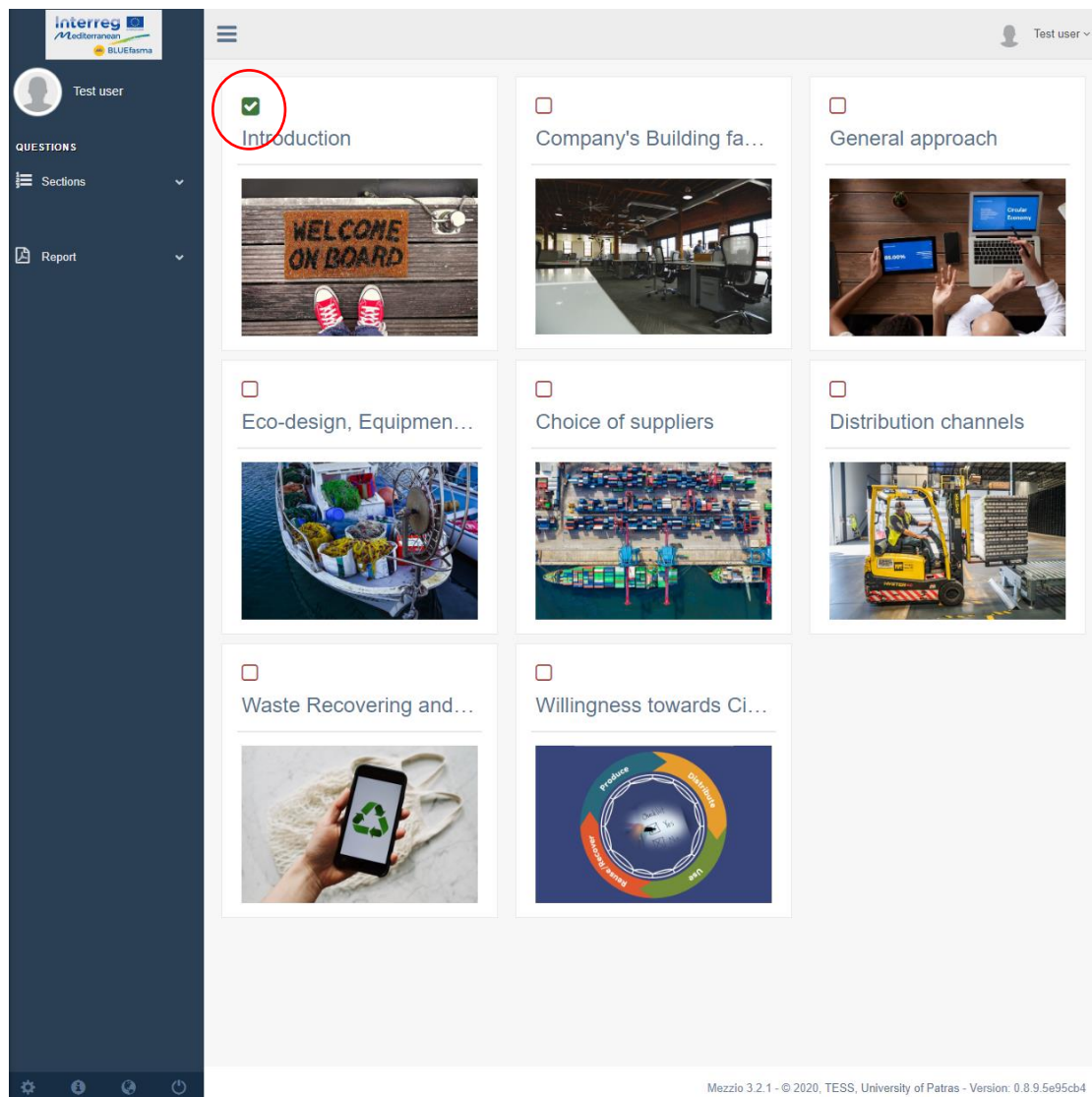
Save

In all Sections, the user can discard the answers by clicking on the "Cancel" button.

The user has to answer all the questions and then will be able to temporary save his/her answers by clicking on the "Temporary Save" button.

After answering all the questions of this Section, the user has to **click on the "Save" button**. By clicking the "Save" button the answers are not editable anymore and the next Section will automatically open.

If the user chooses to visit the home page of the tool, he/she will see that the first Section "Introduction" is completed. Every time that a Section is completed and saved, it is shown in the home page.



Now the user can enter to the second Section "Company's building facilities" by clicking on it. Remember that the user has to fill in the previous Section and then the next one will be available.

## 2.2.3 2<sup>nd</sup> Section: *Company's building facilities*

After clicking on the second Section "Company's building facilities", the following questions will open.

### Circularity self-assessment tool questions

#### Company's building facilities

1. Do you use any building facility (e.g. office, premises, warehouse, auxiliary buildings, industrial buildings) for your company's activities?

- ☐ Yes  
☐ No

If the answer is **"No"** then **this Section is finished**, and **no other answers are requested by the system**.

Select only one answer

2. What is the primary source\* of electricity in your company's building facilities?

- ☐ The primary source is not renewable  
☐ Electricity comes from the grid (not renewable sources), but we have looked for eco-friendly alternatives.  
☐ Electricity comes partly from renewable sources and we are looking for additional solutions to use energy coming only from renewable sources.  
☐ Electricity comes only from renewable sources (through eco providers or we produce them by ourselves).

*\*Primary energy is an energy form found in nature that has not been subjected to any human engineered conversion process. It is energy contained in raw fuels, and other forms of energy received as input to a system. Primary energy can be non-renewable or renewable. Electricity is produced by conversion from a primary energy source and thus, it is called secondary energy. Primary sources can be used directly, as they appear in the natural environment: coal, oil, natural gas and wood, nuclear fuels (uranium), the sun, the wind, tides, mountain lakes, the rivers (from which hydroelectric energy can be obtained) and the Earth heat that supplies geothermal energy.*

3. Do you use a heating system in the building facilities?

- ☐ Yes  
☐ No

If the answer is **"No"** then **no answer** is requested by the system for the **question 4 and 5**.

Select only one answer

4. What is the primary source of heating?

- ☐ The primary source is not renewable.  
☐ Heating comes from the grid (not renewable sources) but we have looked for eco-friendly alternatives.  
☐ Heating comes partly from renewable sources and we are looking for additional solutions to use only renewable sources for heating.  
☐ Heating comes only from renewable sources.

5. How is the heating system managed?

- ☐ We have no control over the heating system.  
☐ We adjust it a few times when required (manually or remotely).  
☐ We have pre-programmed setting for optimized heating.  
☐ We use smart sensors and can control the heating system from a distance.

Select only one answer

Select only  
one answer

6. What kind of cooling systems do you use in the building facilities?

- ☐ We use electrical coolers.
- ☐ We use sunshades and/or canopies and/or blinds, as well as ventilation windows in strategic places.
- ☐ We use heat exchange.
- ☐ We use smart sensors and can control the cooling system from a distance.
- ☐ This question doesn't apply to my company

Select only  
one answer

7. What kind of ventilation system do you use?

- ☐ We use ventilation based on electricity from the grid.
- ☐ We use eco-friendly ventilation.
- ☐ We have our own ventilation system, based on renewable energy sources.
- ☐ We have smart ventilation system.
- ☐ This question doesn't apply to my company.

Select only  
one answer

8. How is your building(s) internally insulated?

- ☐ There is no insulation on the building.
- ☐ The building is partially insulated (walls and/or roof, floor, windows).
- ☐ To achieve energy efficiency our building is provided with thermal insulation – all elements.
- ☐ Our building is a passive house/zero energy building/energy-plus building.

Select only  
one answer

9. How is your building(s) externally insulated?

- ☐ There is no insulation on the building.
- ☐ The building is partially insulated (walls and/or roof, floor, windows).
- ☐ To achieve energy efficiency our building is provided with thermal insulation – all elements.
- ☐ Our building is a passive house/zero energy building/energy-plus building.

Select only  
one answer

10. What are the sources of hot water?

- ☐ We use hot water from the public system.
- ☐ We use hot water from the public system, but we have looked into alternatives.
- ☐ We use renewable sources to heat up water or we get it from the public system through eco providers.
- ☐ We use heat from other installations (or businesses) to heat our water.
- ☐ This question doesn't apply to my company.

Cancel

Temporary Save

Save

After answering all the questions of this Section, the user has to **click on the "Save" button** and the next Section will automatically open.

## 2.2.4 3<sup>rd</sup> Section: *Company's general approach*

The following questions will open for the third Section "Company's general approach".

### Circularity self-assessment tool questions

#### Company's general approach

Select only one answer

1. How much do you know about Circular Economy (CE)?

- ☐ I don't know anything about it
- ☐ I know what is the purpose of CE but do not know anything about its concrete implementation.
- ☐ I know what is the purpose of CE and I have heard about its concrete implementation.
- ☐ I know what it is, how to implement it and the scope of actions it covers.

2. If you were to give 3 to 5 keywords to define Circular Economy, what would they be?

Give 3 to 5 words

3. Have you been informed about Circular Economy practices?

- ☐ No
- ☐ Yes

Please specify by whom (you can select more than one answer)

- ☐ Local media
- ☐ Social networks
- ☐ Local meetings and events
- ☐ One-to-one discussion
- ☐ Company events
- ☐ Newsletters
- ☐ B2B publications
- ☐ Local authorities
- ☐ Other

**If yes:**

- specify by whom (selecting more than one answer, if applicable)

and

- if "Other" is selected, specify the source

Please specify

Select only one answer

4. Is there someone in your company with skills on Circular Economy?

- ☐ Yes
- ☐ No
- ☐ I don't know

Select only one answer

5. On a scale from 1 (low) to 4 (high), how much would you evaluate your company's impact on the environment?

- ☐ 1
- ☐ 2
- ☐ 3
- ☐ 4

Select only one answer

6. Is a share of your company's revenue earmarked for investment in Circular Economy practices?

- ☐ No
- ☐ Yes, less than 2% of the revenue
- ☐ Yes, more than 2% and less than 5% of the revenue
- ☐ Yes, more than 5% of the revenue

Please specify the percentage:

If the last answer is selected, specify the percentage

Select only one answer

7. How do you integrate sustainability and Circular Economy issues in your business plan?

- ☐ We do not include these matters in our business plan.
- ☐ We have a general business plan that includes sustainability.
- ☐ Our company's strategy is based on sustainability and Circular Economy principles and/or sustainability and Circular Economy issues are part of our CSR (Corporate Social Responsibility).
- ☐ We implement innovative circular solutions as a part of our strategy and/or we intend to transform our business model to a circular one.

Select only one answer

8. How do you prepare your company's promotional materials?

- ☐ We do not pay attention to use eco-friendly raw materials.
- ☐ We pay attention to use recycled materials.
- ☐ We pay attention to use recycled, green and biodegradable materials. We produce gadgets in quantities resulting from the demand (without unnecessary stocks).
- ☐ We pay attention to use only online materials to avoid printing and redundant producing.
- ☐ This question doesn't apply to my company.

Select only one answer

9. Is your staff involved in circular activities which are organized by your company?

- ☐ We do not organize such actions.
- ☐ We are looking for knowledge on this subject, we will gladly involve our staff in activities protecting the environment.
- ☐ We periodically organize events for our staff (e.g. zero-waste workshops, waste segregation, etc.).
- ☐ Circular Economy education is part of our mission. We organize workshops, themed events, we encourage staff to actively participate in our circular practices.

Select only  
one answer

10. Do you make your customers aware of Circular Economy practices?

- ☐ We do not make any action for making our customers aware of such practices.
- ☐ We are looking for knowledge on this subject, we will gladly involve our customers in activities that promote such practices.
- ☐ We periodically organize events for our customers (e.g. zero-waste workshops, waste segregation, etc.).
- ☐ Circular Economy education is part of our mission. We organize workshops, themed events, we encourage our customers to actively participate in our circular practices.

Cancel

Temporary Save

Save

After answering all the questions of this Section, the user has to **click on the "Save" button** and the next Section will automatically open.



## 2.2.5 4<sup>th</sup> Section: *Eco-design, Equipment, Energy efficiency*

The following questions will open for the fourth Section "Eco-design, Equipment, Energy efficiency".

### Circularity self-assessment tool questions

#### Eco-design, Equipment, Energy efficiency

Select only one answer

1. How efficient are your vessel and its equipment?

- ☐ They are running on traditional type of fuel (e.g. petrol, diesel).
- ☐ We have incorporated new technologies for better efficiency, less fuel consumption and noise reduction.

Select only one answer

2. What kind of cooling systems do you use for cooling your products in your primary production activities?

- ☐ We use electrical coolers.
- ☐ We use coolers powered by renewable energy sources.
- ☐ We use Refrigerated Sea Water (RSW).
- ☐ We use smart sensors for managing the cooling system more efficiently.

Select more than one answer, if applicable

3. What type of nets do you use? (you can select more than one answer)

- ☐ Dip Net
- ☐ Cast Net
- ☐ Purse Net
- ☐ Gill Net
- ☐ Seine Net
- ☐ Trawl Net
- ☐ Bag Net
- ☐ Other

The user who selected "**Fishing**" or "**Both**" in the 1<sup>st</sup> question of the Section "Introduction" is requested to answer.

**Otherwise no answer is requested by the system for question 3.**

Please specify

if "Other" is selected, specify

The user who selected "**Primary production (creation, collection or extraction of raw material)**" in the 9<sup>th</sup> question of the Section "Introduction" is requested to answer the questions 1 to 5.

**Otherwise no answers are requested by the system for these 5 questions.**



4. How do you deal with the nutrition of the stock?

Select only one answer

- ☐ We use mainly genetically modified food.
- ☐ We use both genetically modified food and organic food.
- ☐ We use only organic food.
- ☐ We practice multitrophic aquaculture, where we combine fish, shell fish and algae production to use the waste of each for the others.

The user who selected **"Aquaculture" or "Both"** in the 1<sup>st</sup> question of the Section "Introduction" is requested to answer.

**Otherwise no answer is requested by the system for question 4.**

5. What type of cages do you use?

Select more than one answer, if applicable

- ☐ Fixed
- ☐ Floating
- ☐ Submersible
- ☐ Submerged
- ☐ Other

The user who selected **"Aquaculture" or "Both"** in the 1<sup>st</sup> question of the Section "Introduction" is requested to answer.

**Otherwise no answer is requested by the system for question 5.**

Please specify

If "Other" is selected, specify

6. What kind of cooling systems do you use for cooling your products in

Select only one answer

- ☐ We use electrical coolers
- ☐ We use coolers powered by renewable energy sources.
- ☐ We use heat exchange.
- ☐ We use smart sensors for managing the cooling system more efficiently.

The user who selected **"Secondary production - processing of goods"** in the 9<sup>th</sup> question of the Section "Introduction" is requested to answer the questions 6 to 8.

**Otherwise no answers are requested by the system for these 3 questions.**

7. How do you deal with plastic packaging?

Select only one answer

- ☐ We often throw it to litter bins, also for waste segregation if available.
- ☐ We aim for eco-packaging, but due to the lack of alternatives or a high price, we still buy some products in plastic packaging, which we segregate for recycling.
- ☐ We mainly use non-plastic packaging (glass, cardboard, used fabrics). Where there are no substitutes, we choose recycled plastic packaging.
- ☐ Over 50% of our total packaging comes from recycled materials or we buy them without additional packaging (when possible) or we do not use any kind of plastic packaging.

8. Does the company have environmental criteria for reducing the consumption of raw materials, water, or energy in the design and improvement of its production processes?

Select only one answer

- ☐ We don't have a plan for reducing the consumption of raw materials, water or energy.
- ☐ We have a general plan, but without specific environmental criteria.
- ☐ We have developed a plan, taking into account specific environmental criteria.
- ☐ We implement intergraded environmental solutions for reducing the consumption of raw materials, water or energy during production processes.

Select only one answer

9. Are the materials used in your company's activities biodegradable?

- ☐ We don't use biodegradable materials at all.
- ☐ We try to use biodegradable materials, but it is not on a permanent basis.
- ☐ We use biodegradable materials on a permanent basis and it covers up to 30% of the materials used in our activities.
- ☐ More than 70% of the materials used in our activities are biodegradable.

Select only one answer

10. What kind of packaging (boxes / crates) do you use for storing goods?

- ☐ We use single-use (thrown away after use) packaging.
- ☐ We use eco-friendly packaging (e.g. wooden crates).
- ☐ We use recyclable or biodegradable packaging. We strive to eliminate unnecessary packaging in the process of purchasing and delivery of products ordered by us.
- ☐ We use reusable containers that can be refilled according to "zero waste" principles.

Select only one answer

11. How do you deal with electric devices/equipment when they are not being used (after business operating hours)?

- ☐ We leave them plugged in.
- ☐ We leave them on stand-by mode if possible.
- ☐ We turn off all devices that are not in use.
- ☐ We have implemented remote systems (smart) that turn off unused devices. Where this is not possible, unused equipment shall be unplugged manually.

Select only one answer

12. Do you carry out energy optimization/modernization for your business processes?

- ☐ We are not interested in carrying out energy optimization/modernization.
- ☐ We implement mainly low cost eco-friendly solutions.
- ☐ We conducted an energy audit. More and more sustainable elements are included in our business processes.
- ☐ We constantly ensure the highest level of energy efficiency in our company.

Cancel

Temporary Save

Save

After answering all the questions of this Section, the user has to **click on the "Save" button** and the next Section will automatically open.

## 2.2.6 5<sup>th</sup> Section: *Choice of suppliers*

The following questions will open for the fifth Section "Choice of suppliers".

### Circularity self-assessment tool questions

#### Choice of suppliers

1. Does your company need suppliers for its activities?

- ☐ No  
☐ Yes

If the answer is "**No**" then this Section is completed, and no other answers are requested by the system.

2. Which criteria are important when choosing suppliers?

- ☐ Offered price and quality, timeliness, flexibility.  
☐ Possibility of buying eco products.  
☐ Local suppliers, collective zero waste products, zero waste or biodegradable packaging.  
☐ Where possible, we choose the leasing of products or the "product as a service" option instead of buying it.

Select only one answer

3. When choosing a supplier, do you pay attention to the products' place of origin?

- ☐ We draw attention primarily to other aspects such as quality, price etc.  
☐ Yes, however eco-aspects such as eco-labels and organic ingredients are more important than place of origin.  
☐ Where possible, we prefer local suppliers and local origin of the product (knowledge of the conditions in which it was created).  
☐ We base our supply chain mainly on local products and suppliers. We check the production method and carbon footprint of the purchased goods.

Select only one answer

Cancel

Temporary Save

Save

After answering all the questions of this Section, the user has to **click on the "Save" button** and the next Section will automatically open.

## 2.2.7 6<sup>th</sup> Section: *Distribution channels*

The following questions will open for the sixth Section "Distribution channels".

### Circularity self-assessment tool questions

#### Distribution channels

1. Does your company's activity involve distribution of goods/products?

- ☐ No  
☐ Yes

**If the answer is "No" then this Section is completed, and no other answers are requested by the system.**

Select only one answer

2. Do you use a sustainable logistics system?

- ☐ No. Our logistic system does not take into account sustainability.  
☐ No, but our drivers are trained to drive in an eco-friendly way.  
☐ Yes, but only some of our logistics activities are designed to increase sustainability.  
☐ Yes, we use a sustainable logistics system, following the KM0\* food initiative.

\* This initiative tries to achieve the minimum distance between the place of origin of good and the place where they will be consumed.

Select only one answer

3. Is the filling capacity of your mean of transport maximized?

- ☐ Our mean of transport is never filled.  
☐ Our mean of transport is filled, for up to 30% of our itineraries.  
☐ Our mean of transport is filled, for up to 70% of our itineraries.  
☐ Our mean of transport is always filled.

Select only one answer

4. Are your fleet vehicles green?

- ☐ No. Our vehicles are running on traditional type of fuel (e.g. petrol, diesel).  
☐ No, but we are thinking of buying green vehicles in the future.  
☐ Up to 30% of our fleet consists of green vehicles.  
☐ Up to 70% of our fleet consists of green vehicles.

Select only one answer

5. What is your attitude towards vehicles management?

- ☐ We buy new vehicles whenever they do not function properly.  
☐ We lease vehicles whenever they do not function properly.  
☐ We repair the vehicles whenever they do not function properly.  
☐ We repair the vehicles and recycle them when they can't be repaired anymore.

Select only  
one answer

6. What kind of cooling systems do you use for cooling your products in vehicles during distribution?

- ☐ We use coolers powered by traditional type of fuel (e.g. petrol, diesel) the same as the vehicle.
- ☐ We use hybrid coolers, powered partially by traditional type of fuel and partially by renewable energy sources.
- ☐ We use coolers powered only by renewable energy sources.
- ☐ We use smart sensors for managing the cooling system more efficiently.

Select only  
one answer

7. What kind of packaging (boxes/crates) do you use for distributing goods?

- ☐ We use single-use (thrown away after use) packaging.
- ☐ We use eco-friendly packaging (e.g. wooden crates).
- ☐ We use recyclable or biodegradable packaging. We strive to eliminate unnecessary packaging.
- ☐ We use reusable containers that can be refilled according to "zero waste" principles.

Cancel

Temporary Save

Save

After answering all the questions of this Section, the user has to **click on the "Save" button** and the next Section will automatically open.

## 2.2.8 7<sup>th</sup> Section: *Waste Recovering and Repurposing*

The following questions will open for the seventh Section "Waste Recovering and Repurposing".

### Circularity self-assessment tool questions

#### Waste Recovering and Repurposing

1. What sort of waste does your company produce the most? (you can select more than one answer)

- ☐ Packaging
- ☐ Shells, bones, scales, skins
- ☐ Unsold seafood
- ☐ Seafood that cannot be sold
- ☐ Fish faeces
- ☐ Other

Select more than one answer, if applicable

Please specify

If "Other" is selected, specify

2. Does the company recover items used for product's packaging/storage (e.g. wooden crates, polystyrene boxes) in order to be reused?

- ☐ No, there is no such possibility.
- ☐ No, but we are thinking to do so within the next year.
- ☐ Yes, but not in a systematized way.
- ☐ Yes, we have developed a strategy for recovering such items.

Select only one answer

3. Does the company recover the products' waste (either waste such as fish scales and shells, or food waste such as unsold fish)?

- ☐ No, we do not recover products' waste.
- ☐ No, but we are thinking to do so within the next year.
- ☐ Yes, but not in a systematized way.
- ☐ Yes, we recover products' waste in a systematized way.

Select only one answer

If the answer is the 1<sup>st</sup> or 2<sup>nd</sup> option, then **no answer** is requested by the system for the **question 4 and 5**.

4. Does the company produce by-products out of the recovered products' waste?

- ☐ No, we do not produce such by-products.
- ☐ No, but we are thinking to do so within the next year.
- ☐ Yes, occasionally, without exceeding the 30% of company's main production.
- ☐ Yes, on regular basis, as part of company's main production up to 70%.

Select only one answer

If the answer is the 1<sup>st</sup> or 2<sup>nd</sup> option, then **no answer** is requested by the system for the **question 5**.

5. Does the company commercialize the by-products which it produces?

Select only one answer

- ☐ No, we do not commercialize the by-products.
- ☐ No, but we are thinking to do so within the next year.
- ☐ Yes, on small scale and in the local market.
- ☐ Yes, we commercialize the by-products as part of our main activities beyond local markets.

6. Have you ever considered working with a firm from another sector, which could be interested in reusing your waste?

Select only one answer

- ☐ Never, and we do not want to.
- ☐ Never, but we would be interested to know which kind of company could reuse our waste.
- ☐ Yes, we have a few ideas but we have not been able to go through the whole process for now.
- ☐ Yes, we sell a part of our waste to another company/sector of activity.

Please specify

If "Other" is selected, specify



7. Do you know a sector from which you could reuse the waste for your company's activities?

Select only one answer

- ☐ No.
- ☐ No, but we would be interested in knowing more about this.
- ☐ Yes, but we have not been through the process yet.
- ☐ Yes, we do reuse some waste from another sector.

If the answer is the last option, then specify from which sector and what kind of waste you reuse.

Please specify from which sector and what kind of waste you reuse:

8. How do you deal with discarded nets/ropes (or parts)?

Select only one answer

- ☐ We directly discard them as waste.
- ☐ We recycle them.
- ☐ Up to 30% of discarded nets/ropes are repaired and reused.
- ☐ More than 70% of discarded nets/ropes are repaired and reused.

9. How do you deal with discarded fish/shell fish (or parts) at the end of your primary production activities?

Select only one answer

- ☐ We directly discard them as waste.
- ☐ We discard them at Organic Waste Treatment Facilities (OWTF).
- ☐ Up to 30% of discarded fish/shell fish are used for other phases of the production cycle.
- ☐ Up to 70% of discarded fish/shell fish are used for other phases of the production cycle.

The user who selected **"Primary production (creation, collection or extraction of raw material)"** in the 9<sup>th</sup> question of the Section "Introduction" is requested to answer the questions 8 to 12.

**Otherwise no answers are requested by the system for these 5 questions.**



10. How do you deal with bycatch/captures with no commercial value?

Select only  
one answer

- ☐ We discard them as waste.
- ☐ We discard them at Organic Waste Treatment Facilities (OWTF).
- ☐ We use them as baits.
- ☐ We return them in the sea (when feasible).

The user who selected "**Fishing**" or "**Both**" in the 1<sup>st</sup> question of the Section "Introduction" is requested to answer.

Select only  
one answer

11. How often are you engaged in fishing litter schemes\*?

- ☐ We have never been engaged.
- ☐ We collect marine litter during up to 30% of our normal fishing activities.
- ☐ We collect marine litter during up to 70% of our normal fishing activities.
- ☐ We always collect marine litter during our normal fishing activities.

**Otherwise no answer is requested by the system for question 10 and 11.**

\* Collecting marine litter that is caught in fisheries' nets during their normal fishing activities.

Select only  
one answer

12. How do you deal with discarded parts of cages?

- ☐ We directly discard them as waste.
- ☐ We recycle them.
- ☐ Up to 30% of discarded parts are repaired and reused.
- ☐ Up to 70% of discarded parts are repaired and reused.

The user who selected "**Aquaculture**" or "**Both**" in the 1<sup>st</sup> question of the Section "Introduction" is requested to answer.

**Otherwise no answer is requested by the system for question 12.**

The user who selected "**Secondary production - processing of goods**" in the 9<sup>th</sup> question of the Section "Introduction" is requested to answer the questions 13 to 16.

**Otherwise no answers are requested by the system for these 4 questions.**

13. How do you deal with discarded fish /shell fish (or parts) at the end of your secondary production activities?

Select only  
one answer

- ☐ We directly discard them as waste.
- ☐ We discard them at Organic Waste Treatment Facilities (OWTF).
- ☐ Up to 30% of discarded fish/shell fish are used for other phases of the production cycle.
- ☐ Up to 70% of discarded fish /shell fish are used for other phases of the production cycle.

Select only  
one answer

14. What do you do with waste water?

- ☐ We drain the waste water to the sewer.
- ☐ We have home sewage treatment plant.
- ☐ We use sewage for additional purposes e.g. fertilization.
- ☐ We have home sewage filtered water, we reuse grey water (eg. to flush toilets).



Select only  
one answer

15. What is your attitude towards waste management?

- ☐ We dispose of garbage in accordance with applicable regulations.
- ☐ We segregate our own waste.
- ☐ We have a waste management plan and/or we monitor and segregate garbage in all areas of activity and/or we educate staff on waste issues.
- ☐ We reduce waste to a minimum (we buy and use according to the "zero waste" principle, and what we can pass it on for further use). We sort the rest of the waste and make sure that it is recycled.

Select only  
one answer

16. Does the company recover and utilize waste heat\*?

- ☐ No, we do not recover and utilize waste heat.
- ☐ No, but we want to learn more on how to recover and utilize waste heat.
- ☐ Yes, we recover and utilize a small percentage (less than 30%) of waste heat, since we haven't invested a lot on recovery units.
- ☐ Yes, we recover and utilize over 50% of waste heat.

*\* Waste heat is heat that is produced by a machine, or other process that uses energy, as a byproduct of doing work. All such processes give off some waste heat as a fundamental result of the laws of thermodynamics. Waste heat has lower utility (or in thermodynamics lexicon a lower energy or higher entropy) than the original energy source. (source: wiki)*

Cancel

Temporary Save

Save

After answering all the questions of this Section, the user has to **click on the "Save" button** and the next Section will automatically open.

## 2.2.9 8<sup>th</sup> Section: *Company's Willingness towards Circular Economy*

The following questions will open for the eighth and last Section "Company's Willingness towards Circular Economy".

### Circularity self-assessment tool questions

#### Company's Willingness towards Circular Economy

Select only one answer

##### 1. Why do you want to implement Circular Economy solutions?

- ☐ We have an eco-friendly approach to run a business.
- ☐ It is the hottest business trend that can help the company to gain a competitive advantage.
- ☐ We want to use resources effectively.
- ☐ It is in line with our philosophy and life style.

In the following questions rate your willingness from 1 to 5, where

- 1. Very little
- 2. Little
- 3. Average
- 4. Much
- 5. Very much

2. How willing are you to take into account environmental criteria when choosing suppliers, even if this increases the procurement costs?
3. How willing are you to use only recyclable or biodegradable packaging?
4. How willing are you to reduce your waste to a minimum?
5. How willing are you to reduce your food waste (e.g. discarded fish or its parts, discarded shellfish) to a minimum?
6. How willing are you to use a sustainable logistics system?
7. How willing are you to invest in infrastructure (e.g. recovering units) to recover and utilize waste heat?
8. How willing are you to recover the items used for product's packaging/storage and reuse them?
9. How willing are you to recover the products' waste (e.g. fish scales, shells)?

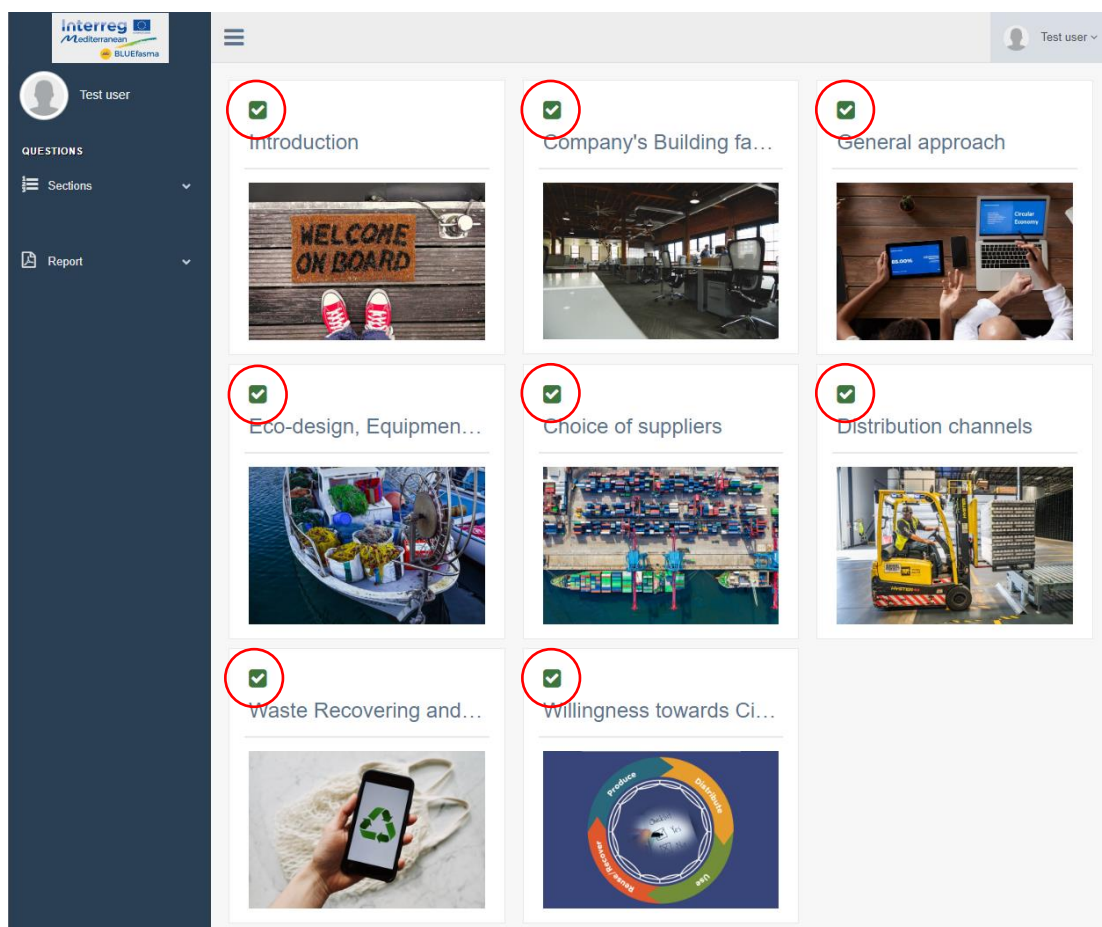
10. How willing are you to produce by-products from the recovered products' waste (e.g. fish scales, shells)?
11. How willing are you to commercialize by-products produced from the recovered products' waste?
12. How willing are you to earmark a share of your revenue in CE practices?

Cancel

Temporary Save

Save

After answering all the questions of this Section, the user has to **click on the "Save" button** and the home page will automatically open indicating that all Sections are completed as show in the image below.



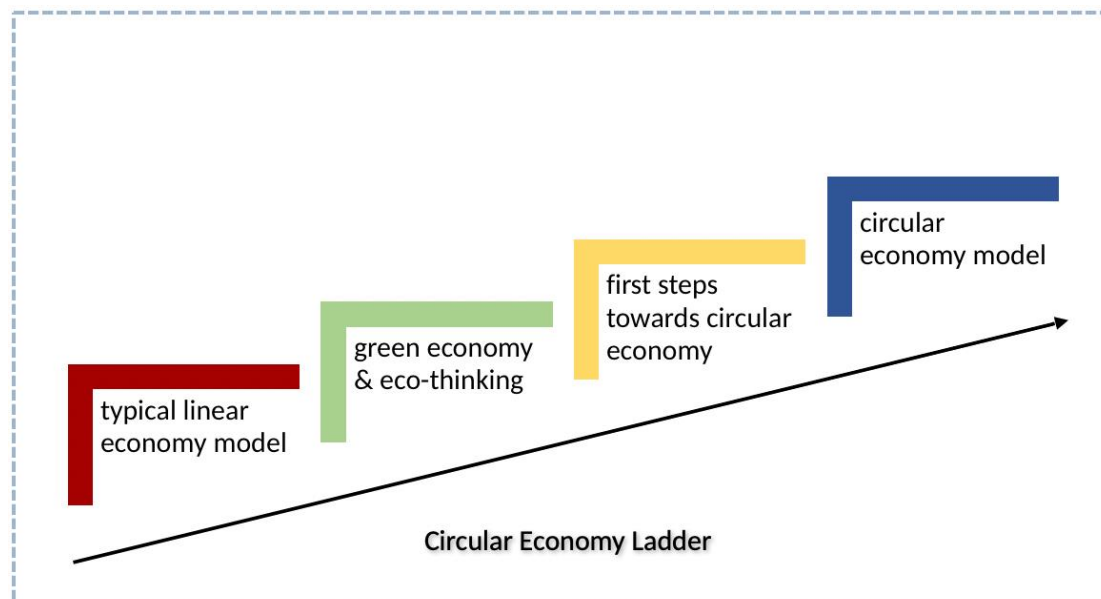
## 2.3 Tool results

After completing the survey of the BLUEfasma circularity self-assessment tool, a report is automatically produced by the system including the tool results and personalized guidelines towards Circular Economy (CE) for each user.

The report is divided in three main Sections:

1. Company's Circular Economy Readiness
2. Company's Willingness to invest in Circular Economy
3. Recommendations for moving towards Circular Economy

In the 1<sup>st</sup> Section, the company's position at the Circular Economy Ladder is illustrated.



Also, the value of the company's Circular Economy Readiness Index is displayed. This value is calculated automatically by the system based on the user's answers.

If company's index is between 1.0 and 1.4 then the company's position in the CE ladder is on the 1<sup>st</sup> step.

If company's index is between 1.5 and 2.4 then the company's position in the CE ladder is on the 2<sup>nd</sup> step.


If company's index is between 2.5 and 3.4 then the company's position in the CE ladder is on the 3<sup>rd</sup> step.

If company's index is between 3.4 and 4.0 then the company's position in the CE ladder is on the 4<sup>th</sup> step.


Based on user's answers and on a scale of 1.0 to 5.0 (1: Very little, 2: Little, 3: Average, 4: Much, 5: Very much), the system calculates company's willingness to invest in Circular Economy. This information is displayed in the Section 2 of the report.

In the last Section, more than fifteen (15) specific recommendations for the company to move towards Circular Economy are presented. These recommendations are automatically generated based on user's answers.


In order to download the report, user has to **click "Download pdf"** as shown below.


  
 Test user
   
 QUESTIONS
   
 Sections
   
 Report
   
 Download pdf


Introduction




Eco-design, Equipmen...




Waste Recovering and...



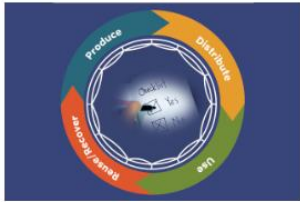
Company's Building fa...




Choice of suppliers



Willingness towards Ci...



General approach



Distribution channels

