



HEIs for Sustainable Blue Economy in Malaysia and Indonesia SustainaBlue

Title: D3.2 Digital platform

ERASMUS Lump Sum Grants

ERASMUS-EDU-2023-CBHE-STRAND-2

Project number: 101129136







Supporting Malaysian and Indonesian HEIs to boost their relevance to the labor market and society for a sustainable blue economy and green transition

Project Partners:

Malaysia



UNIVERSITI MALAYSIA TERENGGANU



UNIVERSITI SAINS MALAYSIA



MALAYSIA AQUACULTURE DEVELOPMENT ASSOCIATION

Indonesia



UNIVERSITY OF INDONESIA



INSTITUT TEKNOLOGI SEPULUH NOPEMBER



PT PANDU BINA SEJAHTERA

Greece



UNIVERSITY OF THE AEGEAN



AEGEAN REBREATH



SYMPLEXIS

Cyprus



UNIVERSITY OF CYPRUS



CSI CENTER FOR SOCIAL INNOVATION LTD





Document Identification:

Work Package	Work package WP3 – Development and operation of regional Blue & Green Acceleration Platform
Task	T3.2 Development of the Regional Blue & Green Acceleration Platform
Deliverable title	D3.2 Digital platform
Lead Partner	Center for Social Innovation (CSI)
Author(s)	Xenia Hadjikypri
Dissemination level	Public
Abstract	The SustainaBlue project aims to integrate the sustainable blue economy into Higher Education Institutions (HEIs) in Malaysia and Indonesia, with a focus on enhancing HEI relevance to the labour market and society. The project supports sustainable blue economy development by establishing four Sustainable Blue Economy Centres and promoting green transitions. Key objectives include building HEI staff capacity, developing high-demand blue skills courses, and fostering collaboration with industry stakeholders through the Quintuple Helix approach. A central element is the Blue & Green Accelerator Platform , which enhances cooperation between HEIs, industries, students, learners and stakeholders to drive blue and green growth at local, national, and regional levels. The platform, available in English, Malay and Indonesian, offers a space for networking, e-mentorship and mobility opportunities, as well as access to resources and courses. The platform's features include a matching tool for e-mentorship and mobility opportunities, an interactive map, a forum, a e-library with educational resources and a news section to support knowledge sharing and capacity building. It aims to bridge gaps between academic offerings and



	industry/market needs, promoting sustainable development in the blue economy of Malaysia and Indonesia.
Status	Final
Version	2

Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or the European Education and Culture Executive Agency (EACEA). Neither the European Union nor EACEA can be held responsible for them.

Project: 101129136 — SustainaBlue — ERASMUS-EDU-2023-CBHE





Contents	
Project Partners:	2
Introduction	6
Blue and Green Acceleration Platform's objective	7
Operation of the platform	7
Activities implemented through the platform	8
Development of the Regional Blue & Green Acceleration Platform	8
Platform Overview	8
Platform Structure	8
Homepage Structure (Link)	9
Log in and Registration Forms (Link)	9
Mobility & E-Mentoring (Link)	10
Connect - Interactive Map (Link)	11
SustainaBlue Library - Resources & Learning Opportunities (Link)	13
Forum (Link)	14
News & Events (Link)	14
Platform Functions	15
Matching Tool	15
Private Messaging and Notifications	17
A multilingual Platform	18
Platform Sections in Malay	18
Platform Sections in Indonesian	19
Stakeholder Dashboard	21
Learner Dashboard	22
Conducion	າາ





Introduction

The SustainaBlue project seeks to advance and integrate the sustainable blue economy within Higher Education Institutions (HEIs) in Malaysia and Indonesia. Furthermore, it aims to enhance the relevance of Malaysian and Indonesian HEIs to the labour market and society by supporting the sustainable blue economy and promoting the green transition.

The project focuses on the establishment of four Sustainable Blue Economy Centres, fostering collaborative networks with blue industries and stakeholders, and analysing the skills required in blue economy sectors. A critical aspect of the project is capacity building for HEI staff, with an emphasis on creating and piloting courses focused on high-demand blue skills to enhance talent development for both students and the existing workforce. Additionally, the project encourages knowledge transfer and raises awareness among local communities and students about the sustainable blue economy and career opportunities within it.

One of the project's key objectives is to strengthen the capabilities of HEI administrative and teaching staff to facilitate active stakeholder cooperation, employing the Quintuple Helix approach, which integrates industry, government, the public, civil society, and the environment. The project also aims to improve collaboration between HEIs and industry, addressing skill mismatches between employer requirements and HEI offerings, while promoting innovation through the Quintuple Helix Model. Ultimately, it seeks to transfer the teaching and research outcomes of HEIs to local coastal communities, thereby generating social value and contributing to regional development.

One of the ways that these aims will be addressed is through the development of the Blue & Green Accelerator Platform (https://learning-sustainablue.eu/) aimed at fostering cooperation between HEIs, industry, local authorities, and other stakeholders to promote green and blue growth at local, national, and regional levels.

The development of the platform is led by the Center for Social Innovation (CSI), in collaboration with the co-leader (UMT) and with active contributions from all partners. This platform will serve as a key tool for bringing together experts, stakeholders, organisations and learners that are interested to engage in sustainable development initiatives, with a particular emphasis on the green and blue economy.

The platform's design was based on the input from all Asian and European partners, ensuring that it meets the unique needs and characteristics of local contexts. This collaborative approach guarantees





that the platform remains highly flexible and responsive to regional needs, while it also facilitates and incorporates global demands.

This document serves as a continuation of Deliverable 3.1 that outlined the platform's objectives, features and functionalities. Based on the D3.1, this document will delve more into the different functionalities of the platform and link these to the project's objectives.

Blue and Green Acceleration Platform's objective

The primary objective of the Blue and Green Acceleration Platform is to enhance the collaboration between HEIs, industry, and other stakeholders to address disparities between employer requirements and HEI offerings, while fostering innovation through the use of the Quintuple Helix model (Industry-Government-Public and Civil Society-Environment).

More specifically, its purpose is to facilitate and promote the development of:

- A coordinated approach among stakeholders to advance blue and green growth innovation;
- Collaboration and synergies across blue and green sectors at the regional, sub-regional, and national levels;
- **A unified framework,** considering regional specificities to enhance the exchange and dissemination of knowledge, innovation, networking, and capacity building.

Operation of the platform

The platform is accessible from M16 (February 2025) of the project in English, Malay and Indonesian, and will be co-managed by the four Sustainable Blue Economy Centres already established, with technical support from CSI.

The platform's **multilingual interface** ensures accessibility across regions, and allows diverse stakeholders, including educators, students, and professionals coming from different backgrounds to join and contribute to SustainaBlue's objectives.





Activities implemented through the platform

A series of activities will be conducted through the platform during the project (and beyond), based on evolving needs and developments within the Asian context. These include:

- At least **ten (10) online networking events** among HEIs, industry players, innovators, investors etc.
- At least **fifteen (15) joint initiatives** will be generated among platform users (these could include projects, ideas, products, synergies etc.).
- At least **fifteen (15) young entrepreneurs** in the blue/green economy will receive **e-mentoring** through the matching tool from stakeholders, experts, industry leaders, and other professionals.
- At least **ten** (10) **placements or mobilities** will be initiated through the matching tool among blue and green economy stakeholders and interested applicants at the national or regional level.

Development of the Regional Blue & Green Acceleration Platform

Platform Overview

The **Blue & Green Acceleration Platform** is a comprehensive digital hub designed to foster collaboration, innovation, and sustainable growth in blue and green economy sectors. This is achieved through the different features and functionalities of the platform that were explained in detail in D3.1 and will be further analysed below.

Platform Structure

The description of each platform tab is explained here.





Homepage Structure (Link)

- Mission Statement: A clear, concise mission of the SustainaBlue project and the platform's purpose: to bridge the gap between HEIs and stakeholders, emphasising the importance of sustainable development.
- **Call to Action**: Encourages visitors to sign up and join the SustainaBlue community, either as stakeholders or learners.



Log in and Registration Forms (Link)

Users can register (Sign up) on the platform as either a Stakeholder or a Learner.

> **Stakeholders** – Once registered, these profiles will be approved by the Administrators of the platform

Stakeholders include individuals engaged in industries pertinent to the blue economy in Malaysia and Indonesia who are acquainted with the project through their connections with the project's consortium members and the Sustainablue Blue Economy Centers. These individuals will be kept informed about the project's activities and will have the opportunity to engage with the project by registering as





stakeholders on the platform and by offering placement and e -mentorship opportunities for other interested individuals.

Stakeholders will be encouraged to provide detailed information about their:

- Organisation/Company details (Sector, website, location).
- Field of expertise (e.g., marine conservation, sustainable agriculture).
- Opportunities for mobility or e-mentorship (Post a mobility / e-mentorship opportunity).
- Upload resources (e.g. educational courses) if they wish.

Learners

Learners include individuals who become interested in the project and wish to participate in its activities. Primarily (but not exclusively), learners will be students from the Sustainablue Blue Economy Centers, eager to explore the mobility and e-mentorship opportunities offered by the project and access the materials and resources provided through its courses.

Learners are required to add the following information during the registration process:

- Educational background
- Professional interests and goals
- Languages spoken
- Availability for e-mentoring or mobility opportunities

This structured registration process allows the platform to effectively categorise, and match users based on their input.

Mobility & E-Mentoring (Link)

This section of the platform provides two key elements that will heavily support the implementation of upcoming activities of the project:

• **Mobility Opportunities**: This section offers the possibility for an individual to connect with a stakeholder and explore potential collaborations, generating mutual benefit for both parties.

<u>Benefits include</u>: Mobility opportunities in Malaysia and Indonesia offer stakeholders the chance to engage with skilled individuals, strengthen industry-academia partnerships, and enhance





their corporate social responsibility efforts. For learners, these opportunities provide valuable hands-on experience, skill development, and exposure to diverse environments, while contributing to sustainable development and improving career prospects.

One of the project's activities (at least ten (10) placements or mobilities will be initiated through the matching tool) will be achieved through the mobility tab.

• **E-Mentorship Programs**: Tailored to connect learners (mentees) with experienced professionals/stakeholders (e-mentors).

Benefits include: Stakeholders, including industry professionals and academics, enhance their professional reputation and establish themselves as thought leaders while contributing to the development of future talent in the blue economy sector. Mentees gain personalised career guidance, helping them navigate the complexities of the sector and improve their employability. The scheme fosters professional networking, allowing both stakeholders and mentees to form valuable connections that may lead to collaborations and job opportunities. Through reciprocal learning, stakeholders gain new perspectives on industry trends, while mentees receive insights into career progression and job market dynamics. The scheme also aligns with corporate social responsibility (CSR) objectives, as stakeholders contribute to the professional growth of the next generation of blue economy professionals, potentially identifying future talent for their organisations.

These benefits underscore the value of the e-mentorship scheme for both mentors and mentees within the context of the SustainaBlue Project, fostering growth and collaboration in the blue economy of Malaysia and Indonesia.

One of the project's activities (at least fifteen (15) young entrepreneurs in the blue/green economy will receive e-mentoring through the matching tool from stakeholders, experts, industry leaders, and other professionals) will be achieved through the e-mentorship tab.

Connect - Interactive Map (Link)

The **interactive map** is a standout feature, providing users with an alternative way to navigate platform content. The interactive map provides a visual tool for exploring key resources and information related to the blue and green economy sectors by geographical area. This feature enhances connectivity and





knowledge-sharing, helping users find guidance and support tailored to their region, fostering collaboration within the blue economy.

It displays geographical areas where users can navigate and identify:

- E-mentorship & Mobility Opportunities
- Sustainable Blue Economy Centers
- **Stakeholders and Organisations** contributing to blue/green initiatives.

This map enhances accessibility and connection between users, facilitating direct access to key resources in specific regions.

Sustainablue Blue Economy Centers







SustainaBlue Library - Resources & Learning Opportunities (Link)

This section includes the educational material produced by the project (SustainaBlue courses) and other relevant materials provided by the registered stakeholders (Resources) explained below.

> SustainaBlue Courses

This platform's section hosts the SustainaBlue courses developed throughout the implementation of the project's Work Packages (WPs), namely:

- **WP2 T2.3: Capacity Building Webinars** for HEI staff (<u>available here</u>).
- **WP2 T2.6: Workshops** for local fisherpersons and community members.
- **WP2 T2.6: Roadshow** for local schools' material (videos and resources)
- **WP4 T4.1: 12-hour online ToT programme** for HEIs staff focused on blue/green skills.
- **WP4 T4.2: Online Courses** on Blue & Green Skills (160h-320h) material
- **WP4 T4.3: 15-hour training seminar** for HEIs based on T4.2 content

These courses developed through WPs include both short- and long-term programs ranging from 12 hours to 320 hours. These are designed to enhance skills in key areas of the blue and green economy, with a focus on emerging professionals.

All resources will be uploaded as PDFs/ PPTs and videos where possible, ensuring easy access for users to download and utilize in their educational or professional activities.

> Resources

Registered **stakeholders** have access to advanced features like uploading resources (e.g., reports, projects, initiatives) in the platform's library. In fact, Stakeholders will be encouraged by Sustainablue's consortium members to upload any relevant materials and resources they might have produced through their projects that could enrich the platform. These resources are reviewed by the Administrators and then made available to the entire community, ensuring a comprehensive library of materials supporting the blue and green economy.





Upload Process

Stakeholders can:

- Provide a title and description.
- Select the resource type (website, PDF).
- Indicate the country of publication and language.
- Upload relevant attachments.

Users registered as learners can access these resources but do not have permission to upload.

Forum (Link)

The platform's Forum is a critical community-building tool, allowing users to engage in discussions across several topics, such as:

- Mentoring & Career Development
- Mobility Opportunities
- Sustainable Practices

The forum is an open dialogue space that allows for the creation of threads, replies, and interactive features like likes, private messaging, and thread following. The inclusion of a forum fosters interactive communication between learners, stakeholders, and HEI staff, encouraging knowledge sharing and collaborative problem-solving. The forum also provides a space for discussing blue economy topics, exchanging resources, and networking. Learners could gain insights from industry professionals, while stakeholders could better understand educational needs and emerging trends.

Administrators are provided with moderation tools to manage content and ensure the forum remains constructive.

News & Events (Link)

This section includes an **events calendar**, displaying upcoming webinars, workshops, and other networking opportunities organised as part of SustainaBlue activities as well as other relevant events. This helps learners and stakeholders stay engaged, participate in skill-building activities, and expand





their professional networks. Additionally, it highlights important updates related to the SustainaBlue project, facilitating continuous learning and collaboration within the blue economy sector.

One of the project's activities (at least ten online networking events among HEIs, industry players, innovators, investors etc.) will be achieved through this tab.

Platform Functions

Here the innovative elements of the platform will be explained that include the background functions supporting the features described above.

Matching Tool

The **matching tool** enables effective pairing of learners with stakeholders that will offer mobility and e-mentorship opportunities. This matching tool serves as an innovative element and is designed to bridge the gap by connecting aspiring individuals (learners) with experts and organizations (organisations) within the blue economy sector.

This tool operates based on:

- **Interest specifications**: Allows users to specify their academic/professional interests.
- Compatibility scoring: Ensures high relevance between mentor/mentee or stakeholder/learner.

The use of an e-matching tool in an educational platform focused on the blue economy of Malaysia and Indonesia offers several key benefits and advantages:

- 1. **Personalised Learning & Networking**: The tool allows learners to be matched with stakeholders who share similar interests and goals within the blue economy sector. This facilitates tailored learning experiences and helps foster meaningful connections, enhancing the educational journey.
- 2. **Enhanced Collaboration Opportunities**: By pairing learners with relevant stakeholders—such as industry experts, researchers, and organisations—participants can gain insights, share knowledge, and collaborate on projects that align with their academic and professional interests.
- 3. **Increased Engagement & Motivation**: The e-matching tool promotes active participation by connecting learners with professionals and organisations who can provide guidance,





- mentorship, and practical exposure to real-world issues in the blue economy sector. This strengthens motivation and encourages greater involvement in the learning process.
- 4. **Access to Expertise & Industry Insights**: Stakeholders, with their hands-on experience and industry knowledge, can offer valuable insights to learners. This enables learners to bridge the gap between theoretical knowledge and practical application, preparing them for careers in the blue economy.
- 5. **Enhanced Career Pathways**: The matching tool helps learners identify potential career paths by connecting them with stakeholders who can offer internships, job opportunities, or partnerships in blue economy-related projects. This opens doors to career advancement and future employment in a growing and vital sector.
- 6. **Building a Collaborative Ecosystem**: By fostering connections between learners and stakeholders, the e-matching tool contributes to creating a collaborative ecosystem within the blue economy sector. This network can lead to collective innovation, knowledge exchange, and cross-sector collaboration, benefitting both the education system and the blue economy industry.
- 7. **Cross-Cultural Exchange**: As the platform focuses on Malaysia and Indonesia, the tool encourages cross-cultural engagement, allowing learners to collaborate with stakeholders from diverse backgrounds, fostering a global perspective on the challenges and opportunities within the blue economy.
- 8. **Support for Sustainable Development Goals (SDGs)**: By connecting learners with stakeholders involved in sustainable blue economy practices, the e-matching tool aids in advancing initiatives related to sustainable development. This can lead to the creation of solutions and projects that align with both local and global sustainability objectives.
- 9. **Efficient Resource Allocation**: The e-matching tool optimises the process of pairing learners with stakeholders, ensuring that resources such as time and expertise are effectively utilised. It streamlines the matching process, saving participants time while ensuring that both learners and stakeholders are connected in ways that align with their mutual interests.
- 10. **Continuous Learning & Professional Growth**: The tool fosters a dynamic environment where learners can engage in continuous learning through their interactions with industry



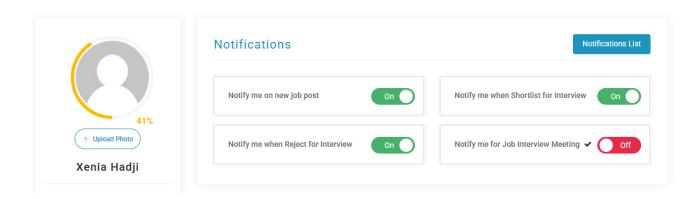


stakeholders. This process nurtures lifelong learning and helps learners stay updated with the latest trends, challenges, and opportunities in the blue economy.

Overall, the e-matching tool enhances the educational experience by aligning learners with the appropriate stakeholders, ultimately driving progress in the blue economy sector while empowering the next generation of professionals in Malaysia and Indonesia.

Private Messaging and Notifications

The platform incorporates a **private messaging** feature through the Forum tab, allowing direct communication between users. This is particularly useful for mentors and mentees to stay connected. Additionally, users can configure their **notification settings** for job alerts.







A multilingual Platform

This section displays screenshots from the translated sections and additional features that were not included in D3.1 and which are outlined above. The platform is now available in all three languages (English, Malay and Indonesian), with the exception of the Registration (Sign Up) process and Dashboard features that is available only in English. Translating these elements into the other two languages poses significant technical challenges and could complicate learner engagement. For instance, if a stakeholder posts a mobility opportunity in Indonesian, a learner who speaks Malay would be unable to access this information, as it would be restricted to an Indonesian-speaking audience. Therefore, the translated sections of the platform include only the relevant tabs and descriptions provided.

Platform Sections in Malay



Home About Mobility & E-Mentoring SustainaBlue Library Connect Forum News & Events Dashboard Login Malay



Inisiatif Pemecutan Biru & Hijau



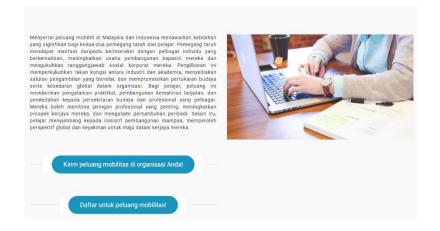






Home About Mobility & E-Mentoring SustainaBlue Library Connect Forum News & Events Dashboard Login Malay ▼

Peluang Mobiliti



Platform Sections in Indonesian



Home About Mobility & E-Mentoring SustainaBlue Library Connect Forum News & Events Dashboard Login Indonesian 🕶









Home About Mobility & E-Mentoring SustainaBlue Library Connect Forum News & Events Dashboard Login Indonesian ▼

Inisiatif Akselerasi Hijau & Biru

Peluang Mobilitas akan memberikan pengalaman langsung kepada peserta didik dan profesional di berbagai industri ekonomi biru dan hijau. Peluang seperti magang, penempatan, akua pertuksana sementara, memungkinkan peserta untuk terilbat dalam lingkungan dunia nyata, memperoleh keterampilan dan wawasan praktis yang penting bagi pertumbuhan akademis dan karier. Pengalaman mobilitas memungkinkan peserta untuk:

Memperoleh Keterampilan Praktis: Bekerja secara langsung dalam organisasi, menerapkan pengetahuan teoritis dalam lingkungan praktis.

Meningkatkan Pemahaman Budaya: Terlibat dengan konteks budaya dan organisasi yang berbeda, menumbuhkan kesadaran global.

Memperluas Jaringan Profesional: Terhubung dengan profesional industri, peneliti, dan rekan dari seluruh dunia.

Perenni, uan tekan uan semuan unna.

Program E-Mentorship menghubungkan peserta didik dan profesional muda dengan para ahil berpengalaman di bidangnya. Program ini memberikan panduan personal, dukungan, dan berbagi pengetahuan untuk membantu para mentee menentukan arah jalur pendidikan dan karier mereka. Manfaat e mentorship meliputi:

Bimbingan Karier: Menerima saran yang disesuaikan tentang pengembangan karier, strategi pencarian kerja, dan tren industri.

Pengembangan Keterampilan: Meningkatkan keterampilan dan kompetensi tertentu melalui bimbingan. Peluang Networking: Membangun hubungan dengan profesional berpengalaman dan memperluas jaringan profesional.





Peluang mobilitas

Partisipasi dalam peluang mobilitas di Malaysia dan Indonesia menawarkan keuntungan yang signifikan bagi para pemangku kepentingan dan peserta didik. Para pemangku kepentingan mendapatkan keuntungan melalui keterlibatan dengan berbagai individu terampil, meningkatkan upaya pengembangan kapasitas, dan memperkuat tanggung jawab sosial perusahaan. Keterlibatan ini memperkuat kemitraan industri-akademisi, menyediakan Jalur rekrutmen yang berharga, dan mempromosikan pertukaran budaya dan kesadaran global dalam organisasi. Bagi peserta didik, kesempatan ini memberikan pengalaman langsung, pengembangan keterampilan tingkat lanjut, dan paparan terhadap lingkungan budaya dan profesional yang beragam. Peserta didik dapat membangun jaringan profesional yang beragam. Peserta didik dapat membangun jaringan profesional yang beragam. Peserta didik dapat membangun jaringan profesional yang beragam. Peserta didik dapat berkontribusi pada inisiatif pembangunan berkelanjutan, memperluas perspektif global dan kepercayaan diri untuk maju dalam karier.



Kirim peluang mobilitas di organisasi Anda!

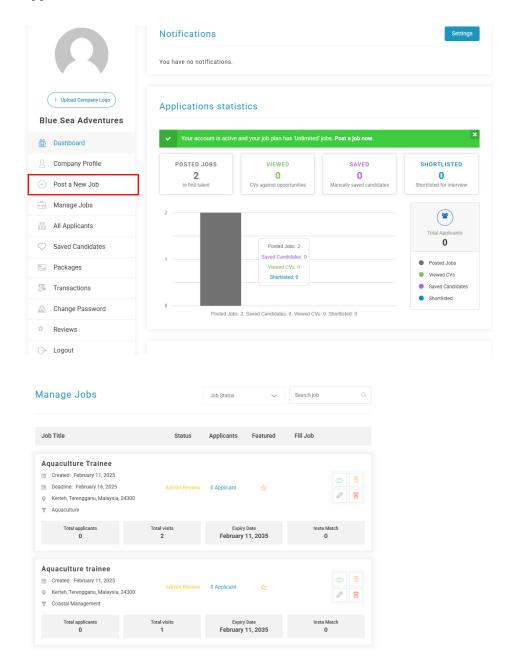
Daftar untuk peluang mobilitas!





Stakeholder Dashboard

The below screenshots show what registered Stakeholders have access to through the platform's dashboard. Through the 'Post an e-mentorship/mobility opportunity' tab, the user has the capability to provide their company's profile, offer mobility and e-mentorship opportunities, and manage these ads and review the applications submitted by learners through the 'Manage e-mentorship/mobility opportunities' function.

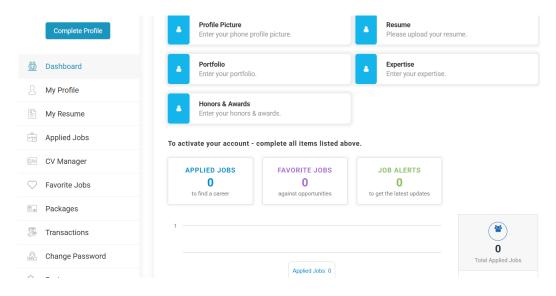






Learner Dashboard

The following screenshots show the dashboard accessible upon learners' registration. The learner can complete their profile by uploading their resume and cover letter, as well as specifying their professional and educational interests. Through the "Connect" tab, learners can apply relevant filters to be matched with mobility and e-mentorship opportunities that align with their interests.



Conclusion

The **SustainaBlue platform** is a well-designed digital tool supporting collaboration, learning, and development in the blue and green economy. The platform designed to foster collaboration and innovation in the blue and green economy sectors was launched in February 2025 and aims to connect HEIs, industries, and other stakeholders, addressing skill mismatches and promoting blue and green growth across local, national, and regional levels.

Through its features, the platform serves as a dynamic space for learners and stakeholders to interact, collaborate, and access resources that support the development of sustainable skills in the blue economy, ultimately contributing to innovation and regional development in Malaysia and Indonesia.

Looking ahead, continuous improvement of the platform will be a key focus, driven by regular feedback received from partners and platform users. This process will ensure that the platform evolves in





response to emerging needs and challenges, maintaining its relevance and effectiveness. Additionally, the development of annual reports (D3.4) will provide a structured way to track progress, monitor user engagement, and highlight the platform's impact. These reports will also serve as a valuable tool for partners to assess the success of collaborative efforts among stakeholders and identify opportunities for further engagement. By embracing these next steps, SustainaBlue platform will continue to contribute significantly to the advancement of the blue and green economy, creating lasting value for all involved.

