



# *Frontier in Sustainable Agromaritime and Environmental Development Conference*

*Bogor, 14-15 December 2023*

# FINAL REPORT

# FiSAED 2023

# BACKGROUND

The 2030 Agenda for Sustainable Development and its 17 Sustainable Development Goals (SDGs) were adopted by all UN member states in 2015, outlining an ambitious plan to end poverty, combat inequality, and build peaceful, just, and sustainable societies by 2030. Achieving the SDGs will necessitate the coordinated efforts of all members of society. With their unique role in knowledge creation and dissemination.

Agro-Maritime 4.0 was established to encourage technology applications based on the Internet of Things, artificial intelligence, drone application, robotics, blockchain, genetic engineering, nanotechnology, and other technologies that aim to create precision in sustainable uses of land and marine resources. The concept of Agro-maritime 4.0 addresses the issues of disconnectivity in agro-maritime development, degradation of the environment and natural resources, societal welfare, food insecurity, the agro-maritime sector's low contribution to economic growth, and disparities in development across Indonesian regions. IPB University developed this concept to increase productivity and farmer welfare, create more added value, increase the efficiency of logistics and transportation inter islands and regions, increase consumer welfare, and promote sustainable resources and the environment. The Frontier in Sustainable Agromaritime and Environmental Development Conference (FiSAED) 2023 will be held to disseminate the concept of Agromaritime 4.0 to the international community.

# THEME

## **“Contribution of Frontier Agromaritime toward Sustainable Development Goals”**

The primary objective of proposing an international conference is to create a platform that fosters global cooperation, knowledge sharing, and problem-solving. Such conferences aim to bring together experts, researchers, policymakers, and stakeholders from various nations to engage in meaningful discussions and collaborations on a specific topic or theme of international significance. Through these gatherings, the proposal intends to facilitate the exchange of cutting-edge research, innovative ideas, and best practices, ultimately leading to the advancement of knowledge and the development of solutions to complex global challenges. Additionally, international conferences often serve as a diplomatic and networking opportunity, promoting cultural understanding, and building bridges between nations, furthering the cause of international peace, cooperation, and progress.

# SPEAKERS

## Opening Speech



Prof. Dr. Arif Satria, SP., M.Si.



## Keynote Speaker



Prof. Dr. Ir. Ernan Rustiadi, M.Agr.



Prof. Eiji Nawata



## Invited Speaker

### *Science and Technology for Sustainable Agromaritime*



Dr. Jakob Wickham



Dr. Samsuzana Abd. Aziz



Dr. Nida Iqbal



## *Socio-Economic Transformation for Sustainable Agromaritime*



Dr. Sarah Cardey

 University of Reading, United Kingdom

## *Sustainable Natural Resources and Environmental Management*



Dr. Murni Nazira Sarian

 The National University of Malaysia, Malaysia



Dr. Irène Rasoamananto

 University of Toiliara, Madagascar



Dr. Vincent Niderkorn

 National Research Institute for Agriculture, Food and the Environment, France

## *Environmental Health and Ecosystems*



Ts. Dr. Ishkrizat Bin Taib

 Tun Hussein Onn University of Malaysia, Malaysia



Devi Paramitha, DVM, M.Sc.

 BC Cancer Research Centre, Canada



Dr. Muhammad Roil Bilad

 University of Brunei Darussalam, Brunei Darussalam

# SPEAKERS DISTRIBUTION

(by continent)



# AUTHORS DISTRIBUTION

(conference)



- a. Total Participant : 727 authors
- b. By Continent
  - Asia : 725 authors
  - Europe : 2 authors
- c. By Country
  - Finland : 1 authors
  - Indonesia : 719 authors
  - Japan : 2 authots
  - Philippines : 1 authors
  - Poland : 1 authors
  - Thailand : 3 authors
- d. By Sub-Theme
  - Science and Technology for Sustainable Agromaritime : 194 authors
  - Socio-Economic Transformation for Sustainable Agromaritime

: 108 authors

- Sustainable Natural Resources and Environmental Management

: 312 authors

- Environmental Health and Ecosystems

: 113 authors

e. By Affiliation

- IPB : 565 authors

- Non-IPB : 162 authors



# AUTHORS DISTRIBUTION

(full paper)



1. Total Participant : 681 authors
2. By Continent
  - Asia : 679 authors
  - Europe : 2 authors
3. By Country
  - Brunei Darussalam : 1 authors
  - Finland : 1 authors
  - Indonesia : 668 authors
  - Japan : 2 authots
  - Malaysia : 4 authors
  - Philippines : 1 authors
  - Poland : 1 authors
  - Thailand : 3 authors
4. By Sub-Theme
  - Science and Technology for Sustainable Agromaritime

: 194 authors

- Socio-Economic Transformation for Sustainable Agromaritime

: 92 authors

- Sustainable Natural Resources and Environmental Management

: 271 authors

- Environmental Health and Ecosystems

: 124 authors

#### 5. By Affiliation

- IPB : 493 authors

- Non-IPB : 188 authors

# PAPERS DISTRIBUTION

## 1. Conference

a. Total Paper: 156 papers

### b. By Sub-Theme

- Science and Technology for Sustainable Agromaritime

: 41 papers

- Socio-Economic Transformation for Sustainable Agromaritime

: 27 papers

- Sustainable Natural Resources and Environmental Management

: 66 papers

- Environmental Health and Ecosystems

: 22 papers

## 2. Full Paper

a. Total Paper : 145 papers

### b. By Sub-Theme

- Science and Technology for Sustainable Agromaritime

: 40 papers

- Socio-Economic Transformation for Sustainable Agromaritime

: 22 papers

- Sustainable Natural Resources and Environmental Management

: 61 papers

- Environmental Health and Ecosystems

: 22 papers

# MAIN EVENT TIMETABLE

Time (GMT +7)	Duration	Agenda
<b>Thursday, 14<sup>th</sup> December 2023</b>		
08.30–09.00	30 minutes	Opening registration
09.00–09.05	5 minutes	Opening ceremony by MC
09.05–09.10	5 minutes	Pray
09.10–09.20	10 minutes	Singing Indonesia Raya and IPB Hymn
09.20–09.25	5 minutes	Welcoming speech by Rector of IPB University
09.25–09.30	5 minutes	Announcement of Full Paper and Challenge
<i>Plenary Session</i>		
09.30–10.15	45 minutes	Prof. Dr. Ir. Ernan Rustiadi, M.Agr
10.15–10.55	45 minutes	Prof. Eiji Nawata
10.55–11.10	15 minutes	Break

<b>Time (GMT +7)</b>	<b>Duration</b>	<b>Agenda</b>			
<i>Parallel session (Breakout room)</i>					
	<i>Video presentation + presenter attend</i>	<i>Science and technology for sustainable agromaritime</i>	<i>Sustainable natural resources and environmental management</i>	<i>Socio-economic transformation for sustainable agromaritime</i>	<i>One health ecosystems and society</i>
11.10– 11.25	15 minutes	Dr. Jacob Wickham	Dr. Murni Nazira Sarian	Dr. Sarah Cardey	Dr. Ishkrizat Bin Taib
11.25– 12.15	50 minutes	1 <sup>st</sup> session 5 paper	1 <sup>st</sup> session 5 paper	1 <sup>st</sup> session 4 paper	1 <sup>st</sup> session 5 paper
12.15– 13.10	55 minutes	Break			
13.10– 14.40	90 minutes	2 <sup>nd</sup> session 7 paper	2 <sup>nd</sup> session 9 paper	2 <sup>nd</sup> session 4 paper	2 <sup>nd</sup> session 9 paper
14.40– 15.40	60 minutes	Break			
15.40– 17.10	90 minutes	3 <sup>rd</sup> session 4 paper	3 <sup>rd</sup> session 4 paper	3 <sup>rd</sup> session 4 paper	3 <sup>rd</sup> session 4 paper

Time (GMT +7)	Duration	Agenda			
<b>Friday, 15<sup>th</sup> December 2023</b>					
<i>Parallel session (Breakout room)</i>					
	<i>Video presentation + presenter attend</i>	<i>Science and technology for sustainable agromaritime</i>	<i>Sustainable natural resources and environmental management</i>	<i>Socio-economic transformation for sustainable agromaritime</i>	<i>One health ecosystems and society</i>
08.10–08.25	15 minutes	Dr. Samsuzana Abd Azis	Dr. Irène Rasoamananto		Devi Paramitha, DVM, M.Sc.
08.25–09.35	70 minutes	1 <sup>st</sup> session 5 paper	1 <sup>st</sup> session 6 paper	1 <sup>st</sup> session 6 paper	1 <sup>st</sup> session 5 paper
09.35–09.50	15 minutes	Break			
09.50–11.00	70 minutes	2 <sup>nd</sup> session 7 paper	2 <sup>nd</sup> session 7 paper	2 <sup>nd</sup> session 5 paper	2 <sup>nd</sup> session 4 paper
11.00–13.00	60 minutes	Break			
13.00–13.15	15 minutes	Dr. Nida Iqbal	Dr. Vincent Niderkorn		Dr. Muhammad Roil Bilad
13.15–14.45	90 minutes	4 <sup>th</sup> session 8 paper	4 <sup>th</sup> session 6 paper	4 <sup>th</sup> session 5 paper	4 <sup>th</sup> session 3 paper
14.45–15.40	55 minutes	Break			
14.40–16.40	120 minutes	5 <sup>th</sup> session 4 paper	5 <sup>th</sup> session 5 paper	5 <sup>th</sup> session 4 paper	5 <sup>th</sup> session 4 paper

Time (GMT +7)	Duration	Agenda			
16.40– 16.55	15 minutes	Break			
16.55– 18.25	90 minutes	5 <sup>th</sup> session 2 paper	5 <sup>th</sup> session 4 paper	5 <sup>th</sup> session 4 paper	5 <sup>th</sup> session 3 paper

# DATE AND VENUE

The 2023 Frontier in Sustainable Agromaritime and Environmental Development Conference (FiSAED) held on:



**Thursday-Friday, 14-15 December 2023**



**08.30 am - 05.00 pm**



**All Participants: Online**

**Committee: Papyrus Hotel**



**abstract submission:** [conference.ipb.ac.id/fisaed](https://conference.ipb.ac.id/fisaed)

**conference information:** [dkasra.ipb.ac.id/fisaed](https://dkasra.ipb.ac.id/fisaed)

**full paper:** <https://iopscience.iop.org/issue/1755-1315/1359/1>



# TIMELINE

<b>Abstract submission</b>	<b>:</b>	<b>1-22 November 2023</b>
<b>Abstract acceptance notification</b>	<b>:</b>	<b>17-24 November 2023</b>
<b>Registration and/or Conference Payment</b>	<b>:</b>	<b>21-25 November 2023</b>
<b>Media submission</b>	<b>:</b>	<b>1-29 November 2023</b>
<b>Pre-conference</b>	<b>:</b>	<b>7 December 2023</b>
<b>Online conference</b>	<b>:</b>	<b>14-15 December 2023</b>
<b>Full paper submission</b>	<b>:</b>	<b>15 December 2023- 14 January 2024</b>
<b>Published</b>	<b>:</b>	<b>5 July 2024</b>

# COMMITTEES

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Dr. Kustiariyah, S.Pi., M.Si.

# DOCUMENTATION

**The 2023 Frontier in Sustainable Agromaritime and Environmental Development International Conference**  
 "Contribution of Frontier Agromaritime toward Sustainable Development Goals"  
 14-15 December 2023 ONLINE

**Keynote Speakers**

- Prof. Dr. Ariti Satria, M.Si., Rector of IPB University, Indonesia
- Prof. Dr. I. Eiman R., M.Agr., IPB University, Indonesia

**Opening Speech**

- Prof. Dr. Ariti Satria, M.Si., Rector of IPB University, Indonesia

**Keynote Speakers**

- Prof. Ryozo Noguchi, Kyoto University, Japan
- Prof. Ramayah Thurasamy, Science University of Malaysia, Malaysia
- Dr. Vincent Niderkorn, INRAE, France
- Ys. Dr. Ishkrizal Bin Taib, Sun Hassan Onn University of Malaysia, Malaysia
- Dr. Nida Iqbal, University of Engineering and Technology Lahore, Pakistan
- Dr. Sarah Cordey, University of Reading, United Kingdom
- Dr. Murni Nazira Sarlan, The National University of Malaysia, Malaysia
- Devi Paramitha, DVM, M.Sc., IC Cancer Research Centre, Canada
- Dr. Samsuzana Abd. Aziz, University of Putra Malaysia, Malaysia
- Dr. Umi Muawanah, National Research and Innovation Agency, Indonesia
- Dr. Irène Rasamanantso, University of Toamasina, Madagascar
- Dr. Muhamad Roli Bilad, University of Brunei Darussalam, Brunei Darussalam

**Sub-Theme**

- Science and technology for sustainable agromaritime
- Socio-economic transformation for sustainable agromaritime
- Sustainable natural resources and environmental management
- One health ecosystems and society

**Important Dates**

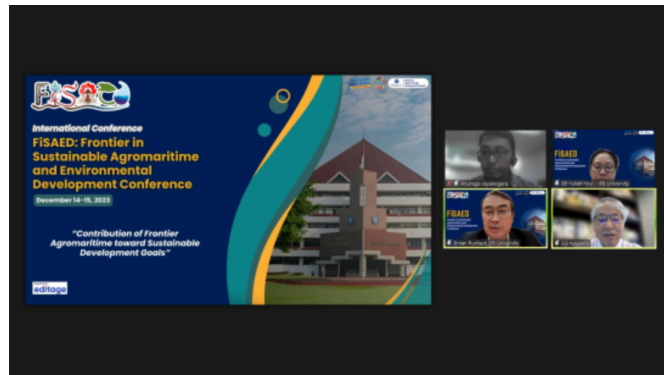
- Abstract submission: 1-15 Nov 2023
- Abstract acceptance notification: 17-20 Nov 2023
- Registration and conference payment: 21-26 Nov 2023
- Media submission: 1-29 Nov 2023
- Full paper submission: 21 Nov-10 Dec 2023
- Online conference: 14-16 Dec 2023

**Fee Details (IDR)**

- Registration fee for presenter: 250,000 | 125 USD
- Participant only, with e-certificate: 600,000 | 110 USD
- Participant only, without e-certificate: 650,000 | 150 USD
- Conference fee (including publication fee): 2,000,000 | 250 USD

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**Pre-Conference Webinar of FISAED 2023:**  
**Conference Presentation and Networking**

**Key Takeaways**

- How to prepare and deliver eye-catching presentations at international conferences
- Strategies for networking
- Elevating professional reputation

**Speaker:**  
**Dr. Jacob Wickham**  
 • Journal editor for Integrative Zoology  
 • Adjunct Professor at the Department of Entomology, Rutgers University

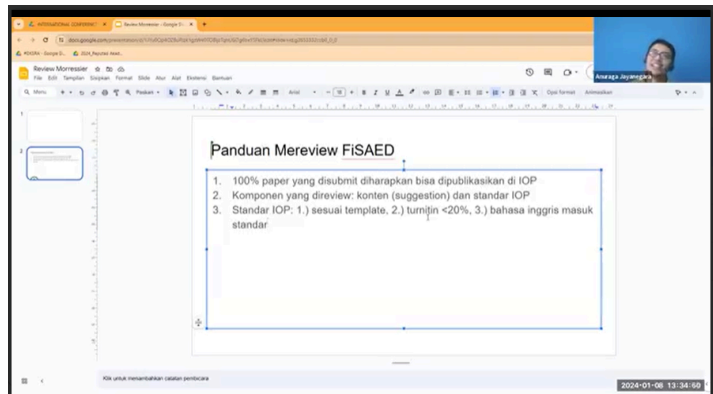
**Thursday, 7 Dec 2023**  
**1.30 - 3.00 PM**  
**Zoom Meeting**

**Registration: [ipb.link/pre-conference-webinar](https://ipb.link/pre-conference-webinar)**

Supported by: **editage**

Contact Person: Tia 0858-8686-4406

<https://dkasra.ipb.ac.id> | [dkasra\\_ipb](#) | [dkasra\\_ipb](#) | 0813-8876-4005





# CLOSING

Throughout this international conference, we have embarked on a collective journey of discovery, learning, and the exchange of innovative ideas. Our shared commitment to fostering global cooperation, understanding, and progress has been abundantly evident.

Thank you for your attention and participation.

**Bogor, July 2024**

**Chairman**

**drh. Mokhamad Fakhru Ulum, M.Si., Ph.D.**