

## ANNEX 1

## Standard format for the World Migratory Bird Day

## Final report Report Template

## Section 1. EVENT INFORMATION (Compulsory)

1.1 Contact Information - Provide your contact information for this report

Full Name	Naim Khandakar
Name of the organisation	Jagannath University
Name(s) of the division and/or position	M.Sc. in Wildlife and Biodiverstiy Conservation, Department of Zoology Jagannath University, Dhaka-1100, Bangladesh
Type of the organisation - Government/NGO/Private Sector/Other	Autonomaous Public Institute of the People's Republic of Bangladesh
Email	[REDACTED]
Postal address	[REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED]
Office phone numbers	[REDACTED]
(Your) Cell number (optional)	[REDACTED]
Fax (optional)	
Website (optional)	jnu.ac.bd
Additional contact person (optional)	<b><i>Delip K. Das</i></b>  <i>Assistant Professor</i> Wildlife and Biodiversity Conservation Department of Zoology, Jagannath University Dhaka-1100, Bangladesh [REDACTED] [REDACTED]  <i>PhD Student</i> University of Groningen Faculty of Science and Engineering Groningen Institute of Evolutionary Life Sciences (GELIEFS) The Netherlands [REDACTED]
Date of submission	12/10/2022

1.2 Event title: **Celebrating World Migratory Bird Day by strengthening public awareness through development and dissemination of awareness materials in coastal communities around Nijhum Dweep National Park – an EAAFP Flyway Network Site in Bangladesh**

1.3 Event Location - Where did your event take place?

Name of country	Bangladesh
Name of city	Hatiya, Noakhali
Name of event place/venue	<b>Event Venue 1:</b> Bandartila Bazar Government Primary School, Nijhum Dweep National Park  <b>Event Venue 2:</b> Madinatul Ulum Halimiah Madrasah, Nijhum Dweep National Park

1.4 Event Type - Check the relevant categories of your event type

Public awareness activity – local and/or national	✓
Field Trip (e.g. Birdwatching)	
Monitoring/survey	
Educational activity/lecture	✓
Festival	✓
Media event (e.g. press release)	
Movie/video	✓
Others – specify	

1.5 Event Organiser - Who were organiser and/or sponsor for your event?

Event Organiser- Jagannath University, Dhaka, Bangladesh
Sponsor - East Asian-Australasian Flyway Partnership (EAAFP)

1.6 Target Audience - Who were the participants for your event?

Target Audience types	Number participated
School students, teachers or parents	210
University students	2
Researchers, scientist	1
Birdwatchers	
Site managers for flyway site and wetlands	
Decision or policy makers	
Media	
Others – specify (local community people)	10
<b>Total Participants</b>	<b>223</b>

1.7 Outcome - What is the outcome from your event?

1. Participants gained a clear understanding of migratory birds, why they migrate from breeding grounds to non-breeding grounds, and how they choose non-breeding grounds.
2. Schoolchildren, university students, School teachers, and members of the local community were now aware of this year's WMBD theme, specifically the effect of light pollution on migratory birds and ways to mitigate the effects of light pollution.
3. Participants learned about migratory shorebirds' habitat preferences for foraging and roosting grounds. Participants are more conscious of the importance of conserving migratory birds and their habitats, as well as the threats to migratory birds and their ecological importance, as well as the laws and regulations governing migratory bird protection.
4. Participants are now more aware of Nijhum Dweep National Park, which is an EAAFP Flyway Network Site, and the role of this important site used by migratory birds using EAAF.

1.8 Any additional comment? (Optional)

Jagannath University is grateful to the **EAAFP** for supporting the celebration of World Migratory Bird Day-2022 at Nijhum Dweep National Park in Bangladesh. Jagannath University would like to thank Nijhum Dweep Union Parishad Chairman (Local Government Agency) **Md. Dinaj Uddin**, Headmaster of Bandartila Bazar Government Primary School **Md. Bacchu Mia** and Principal of Madinatul Ulum Halimiah Madrasah **Mufti Illias Hossain** for their unwavering support in celebrating World Migratory Bird Day-2022 at Nijhum Dweep National Park in Bangladesh.

## Section 2. EVENT PROGRAMME (Compulsory)

***Celebrating World Migratory Bird Day by strengthening public awareness through development and dissemination of awareness materials in coastal communities around Nijhum Dweep National Park – an EAAFP Flyway Network Site in Bangladesh***

**Event Place 1:** Bandartila Bazar Government Primary School, Nijhum Dweep National Park (06 October 2022); **Time:** 08:00 to 11:30

<b><i>Time</i></b>	<b><i>Objective/Content</i></b>
08:00	Registration
<b>Inaugural Session</b>	
08:30	“Migratory birds of Nijhum Dweep National Park in Bangladesh” – screening of two documentary video
08:45	Welcome and introductions
09:00	Guest speeches
09:20	Celebrating World Migratory Bird Day overview: objectives, activities
<b>1<sup>st</sup> Session – Flyway Network Sites</b>	
09:30	Current understanding of migratory shorebird populations at Nijhum Dweep National Park in Bangladesh, with a focus on the EAAFP site at Nijhum Dweep National Park
<b>2<sup>nd</sup> Session – Overview of light pollution impact</b>	
09:45	Discussing the effect of light pollution on migratory birds and solutions to light pollution
<b>3<sup>rd</sup> Session –Overview of importance of conserving migratory birds and their habitats</b>	
10:00	Discussing the importance of migratory birds, their habitats, threats to and ecological importance of migratory birds
<b>4<sup>th</sup> Session – Educational outreach activities</b>	
10:15	Distribute a leaflet or one-pager information about the importance of conserving migratory birds and their habitats and the print poster with the theme of WMBD 2022 in Bengali produced by EAAFP
10:30	Art competition on migratory birds and their habitats among school going students
11:00	Awarding the prize of the winners of Art competition
11:15	Words of thanks, Group Photo
11:30	Refreshments, End of celebrating World Migratory Bird Day-2022

**Event Place 2:** Madinatul Ulum Halimiah Madrasah, Nijhum Dweep National Park (06 October 2022); **Time:** 12:00 to 04:15

<b>Time</b>	<b>Objective/Content</b>
12:00	Registration
<b>Inaugural Session</b>	
12:15	“Migratory birds of Nijhum Dweep National Park in Bangladesh” – screening of two documentary video
12:30	Welcome and introductions
12:45	Guest speeches
01:00	Celebrating World Migratory Bird Day overview: objectives, activities
01:15	Prayer time and Lunch break
<b>1<sup>st</sup> Session – Flyway Network Sites</b>	
02:00	Current understanding of migratory shorebird populations at Nijhum Dweep National Park in Bangladesh, with a focus on the EAAFP site at Nijhum Dweep National Park
<b>2<sup>nd</sup> Session – Overview of light pollution impact</b>	
02:15	Discussing the effect of light pollution on migratory birds and solutions to light pollution
<b>3<sup>rd</sup> Session –Overview of importance of conserving migratory birds and their habitats</b>	
02:30	Discussing the importance of migratory birds, their habitats, threats to and ecological importance of migratory birds
<b>4<sup>th</sup> Session – Educational outreach activities</b>	
02:45	Distribute a leaflet or one-pager information about the importance of conserving migratory birds and their habitats, and the print poster with the theme of WMBD 2022 in Bengali produced by EAAFP
03:00	Photographic display of migratory waterbirds
03:15	Art competition on migratory birds and their habitats among school going students
03:45	Awarding the prize of the winners of Art competition
04:00	Words of thanks, Group Photo
04:15	Refreshments, End of celebrating World Migratory Bird Day-2022

#### Section 4. SHORT SUMMARY REPORT (Compulsory)

Jagannath University has been organizing small to large-scale awareness campaigns to motivate and enlighten school students, teachers, and the local community about the importance of conserving migratory birds and their habitats, threats to migratory birds and their ecological importance. One of them is celebrating World Migratory Bird Day. We celebrated World Migratory Bird Day (WMBD) on an earlier date this year to ensure a large number of participants due to a long government holiday in Bangladesh and the closure of all schools. On October 6, 2022, Jagannath University organized two World Migratory Bird Day events at two local schools, **Bandartila Bazar Government Primary School and Madinatul Ulum Halimiah Madrasah, Nijhum Dweep National Park** in Bangladesh, with financial support from the *East Asian-Australasian Flyway Partnership (EAAFP)*. A total of 205 students of different classes, 10 local community people, five teachers, two university students and one researcher were joined the events, and most of participants are school students at Nijhum Dweep National Park.

##### Inaugural Session

Naim Khandakar, organizer of WMBD, on behalf of Jagannath University, welcomed all guests and participants. He provided a brief overview of celebrating WMBD, and the ground rules for respectful and inclusive discussions. For introductions, guests, and participants recounted memorable encounter with Migratory birds. Participants were shown documentary video titled "**Migratory Birds of Nijhum Island National Park, Bangladesh**".

Each event was inaugurated with brief welcoming words from Headmaster of Bandartila Bazar Government Primary School **Md. Bacchu Mia** and Principal of Madinatul Ulum Halimiah Madrasah **Mufti Illias Hossain**. They thanked the participating students, teachers, and community members for their participation, and commended Jagannath University for organizing the WMBD celebration with the support of the EAAFP.

##### Session 1: Current understanding of migratory shorebird populations at Nijhum Dweep National Park in Bangladesh, with a focus on the EAAFP site at Nijhum Dweep National Park

Naim Khandakar introduced about the migratory birds so that participants gained a clear understanding of what they are, why they migrate from breeding grounds to non-breeding grounds, and how they choose non-breeding grounds. Baseline information on the status of migratory birds and their population at Nijhum Dweep National Park were presented to the participants, emphasizing the importance of Nijhum Dweep National Park as an EAAFP Flyway Network Site and is an important habitat for globally threatened

migratory birds, such as Spoon-billed Sandpiper, Asian Dowitcher, Great Knot, Indian Skimmer and Spotted Greenshank etc.

### **Session 2: Discussing the effect of light pollution on migratory birds and solutions to light pollution**

Naim Khandakar addressed how light pollution affects migrating birds. Participants learned in this session that light pollution can drastically alter many species' behaviors such as foraging, activity levels, energy expenditures, and vocal communication. As a result, night-migrating birds such as ducks, geese, sandpipers, songbirds, and plovers are particularly vulnerable to and impacted by light pollution. Artificial light attracts and disorients nocturnally migrating birds. This can cause species to circle illuminated areas, depleting energy, increasing the risk of exhaustion, and increasing the likelihood of predation and fatal collisions with buildings and infrastructure. The link between light pollution and these collisions causes millions of bird deaths each year.

Naim Khandakar also addressed how to mitigate the effects of light pollution by reducing blue light emissions by switching to warm-colored light bulbs such as red, yellow, and orange; and updating outdoor lights to ensure they are fully shielded.

### **Session 3: Discussing the importance of migratory birds, their habitats, threats to and ecological importance of migratory birds**

Participants learned that the country of Bangladesh, offering key wintering and staging sites for thousands of migratory birds. Bangladesh is the last remaining stronghold for non-breeding globally endangered Indian Skimmer, which has been seen annually in Nijhum Dweep National Park on the country's south-central coast and has been designated as the largest wintering area for this threatened species. Apart from Indian Skimmers, Nijhum Dweep National Park and its surrounding areas are a regular wintering site for many globally threatened migratory wetland species such as Spoon-billed Sandpiper, Nordman's Greenshank, Spotted Redshank and Aisan Dowitcher.

Participants also learned about migratory shorebirds' habitat preferences for foraging and roosting grounds, threats to, and conservation value of migratory birds. The habitat preferences of Indian Skimmers and Black-tailed Godwits for their roosting and foraging grounds, as published research articles by the Jagannath University Waterbirds Research Team, were presented to participants to broaden their knowledge of migratory Waterbird foraging and roosting habitats.

### **Session 4: Distributing Educational outreach materials to participants and activities**

The organizer developed and produced informative educational outreach materials leaflets or one-pagers with information on migratory birds, their flyway, the importance of conserving migratory birds and their habitats, and distributed them to participants to

increase their knowledge of migratory birds and their conservation. The organizer also distributed the print poster with the theme of WMBD 2022 in Bengali produced by EAAFP. Following the speech delivery session, students look at printing migratory bird photos hanging on the room's wall, and memorizing migratory bird species names with facilitator assistance. Then, the students competed in an art competition centered on threatened migratory birds and their habitats.

### **Closing Session**

The closing of the WMBD commenced with a summary of the outcomes by **Naim Khandakar**, followed by closing words from Headmaster of Bandartila Bazar Government Primary School **Md. Bacchu Mia** and Principal of Madinatul Ulum Halimiah Madrasah **Mufti Illias Hossain**. Winners of the Art Competition were rewarded with educational materials wildlife conservation-related books and painting materials from the Headmaster and Principal. The Headmaster and Principal thanked **Jagannath University and EAAFP** for the for the successful arrangement of the WMBD events that enriched participants understanding of migratory birds, their habitats and improved the protection of migratory birds and their non-breeding grounds at Nijhum Dweep National Park as an EAAFP site for migratory birds.

### **Section 5. PHOTO, VIDEO & MATERIALS (Compulsory):**

Name of Photo/Video	Please see the photos below with caption
Photo/Video	Please see the photos below
Credit info	Naim Khandakar/ Shariful Islam/ Md. Nayem Parvez/ Jagannath University
Link	<a href="https://drive.google.com/drive/folders/18W7v2jhySnEHtRHmp_1z1Vxy-N95Gv4F">https://drive.google.com/drive/folders/18W7v2jhySnEHtRHmp_1z1Vxy-N95Gv4F</a>



**Photos of the events**



**Figure 1: Group photographs with participants, guests, and facilitators from WMBD 2022 at Madinatul Ulum Halimiah Madrasah (top) and Bandartila Bazar Government Primary School (bottom), Nijhum Dweep National Park in Bandladesh**



**Figure 2: Discussing the current knowledge on migratory shorebird populations at Nijhum Dweep National Park in Bangladesh, with a focus on the EAAFP site at Nijhum Dweep National Park**



**Figure 3: Discussing the effect of light pollution on migratory birds and solutions to light pollution**



**Figure 4: Discussing the importance of migratory birds, their habitats, threats to them, and their ecological importance.**



**Figure 5: Displaying documentary video to the participants titled "Migratory birds of Nijhum Dweep National Park in Bangladesh"**



**Figure 6: Students showing their drawing on migratory birds on the WMBD 2022 event at Bandartila Bazar Government Primary School (top), and Madinatul Ulum Halimiah Madrasah (bottom), Nijhum Dweep National Park in Bangladesh**



**Figure 7: Students look at printing migratory bird photos and memorize migratory bird species names**



**Figure 8: Students displaying printed educational outreach materials leaflets or one-pagers, as well as a print poster with the theme of WMBD 2022 in Bengali produced by EAAFP**



**Figure 9: Closing words from Headmaster of Bandartila Bazar Government Primary School Md. Bacchu Mia (top) and Principal of Madinatul Ulum Halimiah Madrasah Mufti Illias Hossain (bottom)**