



**Ecosystems Research and** Development

# East Asian - Australasian Flyway (EAAF) and The Importance of Migratory Birds

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# **OUTLINE**

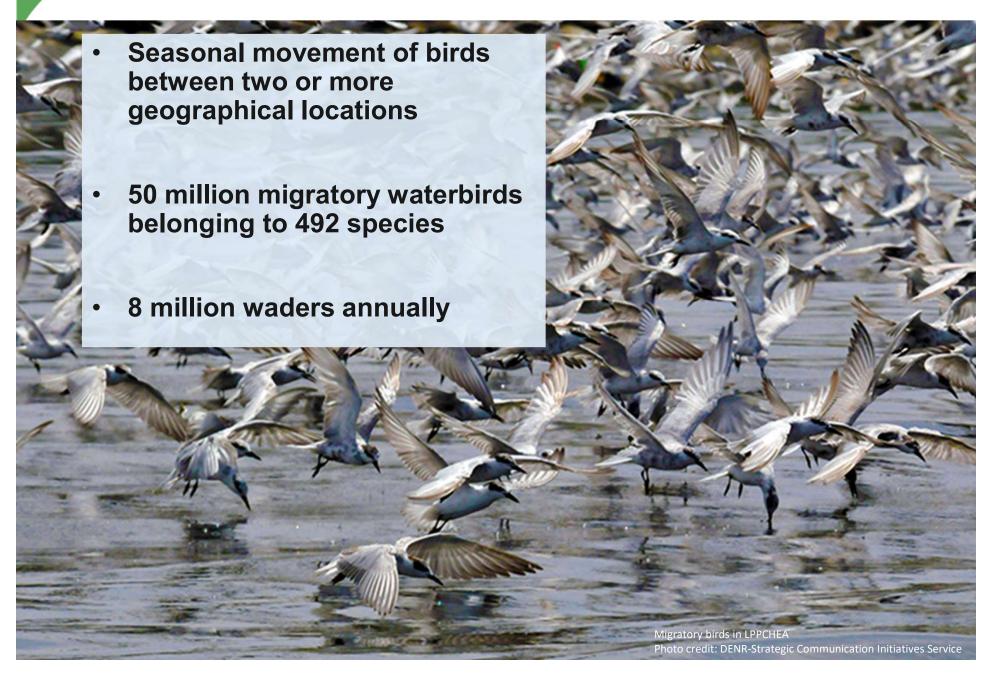
- I. Bird Migration
- II. Nine Major Flyways
- III. EAAF
- IV. Threats to Bird Migration
- V. Multi-lateral Agreements
- VI. ERDB Bird Migration Research







# **BIRD MIGRATION**











# **August to September**

before winter in the North

June to July
Nesting in North Arctic



# September to November

Birds fly South to warmer countries



# **BIRD MIGRATION PATTERN**



May to June Ready for breeding





# November to March

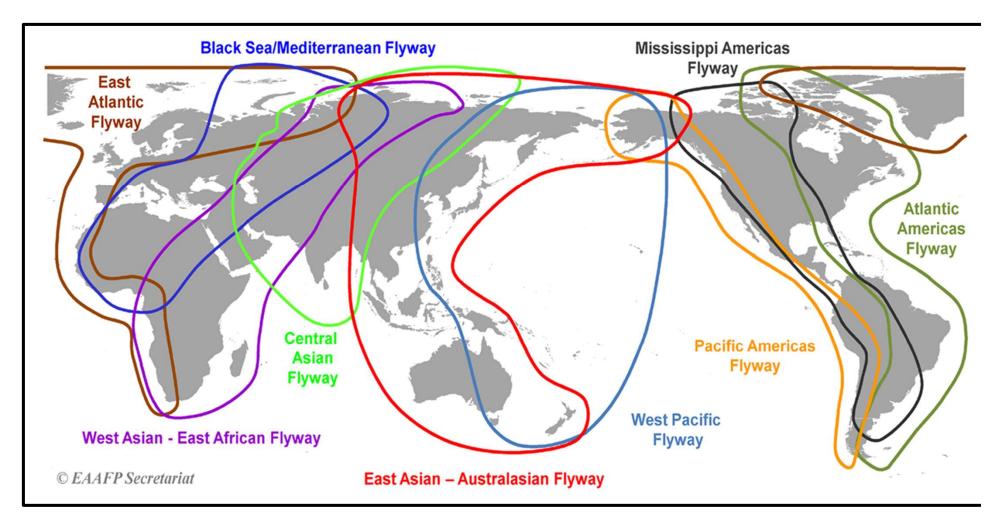
Birds live in warmer countries



March to April
Northward migration



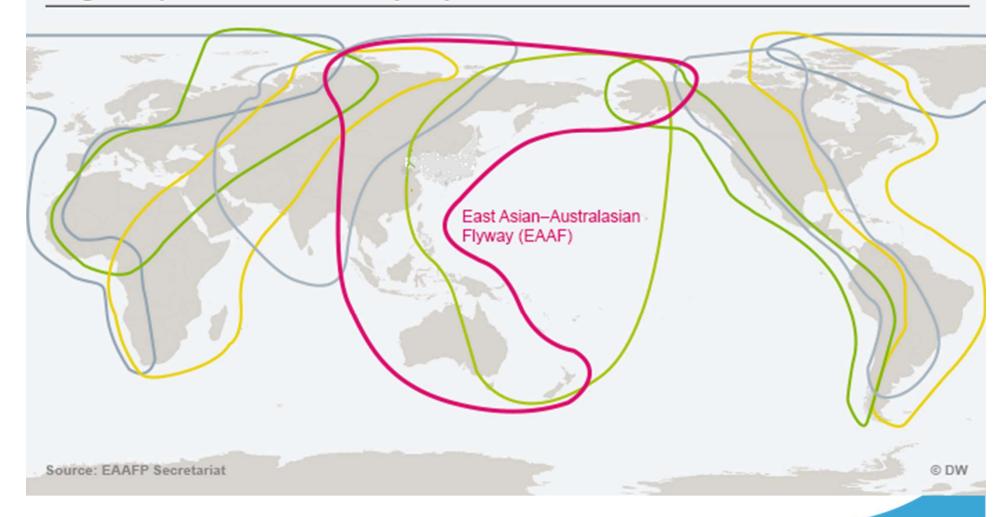
# **Nine Major Flyways**



"Flyway"- routes that migratory waterbirds traverse on an annual basis

# East Asian-Australasian Flyway (EAAF)

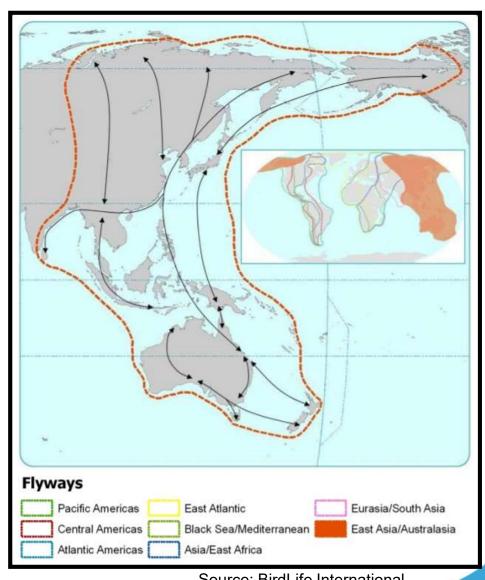
Migratory birds and their flyways



# East Asian-Australasian Flyway (EAAF)

- extends from Arctic Russia and North America to the southern limits of Australia and New Zealand
- Home to over 50 million migratory waterbirds from over 250 different populations, including 33 globally threatened species
- FAAF has the most proportion of threatened species





Source: BirdLife International

### **EAAF**

# East Asian-Australasian Flyway Partnership

- Adopted in the list of the World Summit on Sustainable Development (WSSD) as a Type II initiative – an informal and voluntary initiative, was launched on 6 November 2006,
- Aims to protect migratory waterbirds, their habitat and the livelihoods of people dependent upon them
- Partners include governments, intergovernmental agencies international nongovernment organizations and international business sector





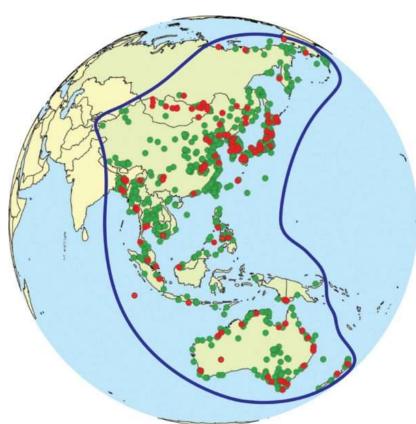


### **EAAF**

# **FLYWAY SITE NETWORK**

- ensure that a network of internationally important sites are sustainably managed to support the long-term survival of migratory waterbirds within the EAAF
- 144 flyway site networks





Green dots indicate important sites for migratory waterbirds and red dots indicate sites in the Flyway Site Network.

Source: www.eaaflyway.net

# **THREATS**







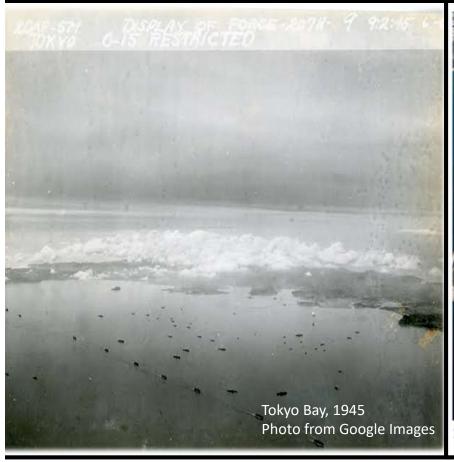


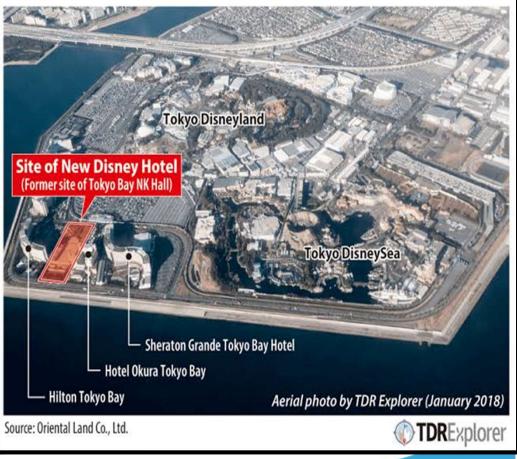


## Rapid Urbanization and Land Reclamation

# **Tokyo Bay**

1945 2018





# Rapid Urbanization and Land Reclamation Lantau Island



# Rapid Urbanization and Land Reclamation

# **Bohai Bay at Yellow Sea**



# Multilateral Environment Agreements (MEAs)







Convention on Biodiversity (CBD)

# **ERDB Bird Migration Research**

- ERDB funded R & D Project Titled "Surveillance of Migratory Waterbirds in Urban and Peri-Urban wetlands in relation to climate change"
- ERDB held the East Asian-Australasian Flyway Congress: R and D on Wetlands and Migratory Water Birds Conservation in 2014
- 2nd R&D Congress on EAAF for Wetlands and Migratory Waterbirds in the Course of Climate Change in October 2019









# Take part in the protection and conservation of wetlands and migratory birds!



