# Training Workshop Module 3: Managing and updating national wetland inventories (NWI)

## Incheon, Republic of Korea, 7-11 September 2026

## Agenda

**Monday 7 September 2026**

### Introduction to NWI update cycle & data quality assessment

***Focus:*** *the concept of updating strategy: considerations of frequency, sampling methods and data quality assessment for regular update cycles*

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| 8:50-9:00 | Registration, Grand Ball Room, Floor 2, Holiday Inn Incheon Songdo |
| 9:00- 9:15 | Welcome remarks<br>**Mr. Chun Kyoo Park, Head of Office, United Nations Office for Sustainable Development (UNOSD)**<br>**Mr. Wooyeong Joo, Team Leader, National Institute of Ecology (NIE)**<br>**Dr. Flore Lafaye de Micheaux, Secretariat of the Convention on Wetlands** |
| 9:15-9:30 | Introduction to Module 3 learning objectives by **Dr. Flore Lafaye de Micheaux** (Presentation) |
| 9:30-10:00 | Round of introduction by participants – sharing update on respective NWI process |
| 10:00-11:00 | Lecture on futureproofing of NWIs: the NWI update cycle – realistic cycles of NWI updating; continuous planning; outsourcing NWI updates in a coordinated way by **Dr. Anis Guelmami, Mediterranean Wetland Observatory & Tour du Valat** (Presentation) |
| 11:00-11:15 | *Break* |

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| 11:15-12:00 | Validation and sampling for map data quality assessment: an overview by **Prof. Iryna Dronova, University of California, Berkeley** (Presentation) |
| 12:00-12:30 | Anticipating NWI data quality assessment processes: working group session led by **Prof. Iryna Dronova, University of California, Berkeley** (Guided group activity) |
| 12:30-14:00 | *Lunch break* |
| 14:00-14:30 | Instructions for the week's lightning talks, by **Robert Godoy Recasens, Secretariat of the Convention on Wetlands** (Presentation) |
| 14:30-15:30 | Country presentation on NWI data quality and update process from India by **Dr Ritesh Kumar, Wetlands International** (ONLINE presentation) |
| 15:30-15:45 | *Break* |
| 15:45-16:30 | Working group session "NWI updating frequency" led by **Dr. Anis Guelmami** (Guided group activity) |
| 16:30-17:15 | Spatial tools and new Digital Earth Africa resources for wetland inventories by **Dr. Meghan Halabisky** (ONLINE presentation) |
| 16:45-17:15 | Accuracy assessment of spatial datasets and map products by **Prof. Iryna Dronova** (Presentation) |
| 17:15-17:30 | Day 1 recap, Day 2 preview |
| 17:30-19:00 | Dinner Reception supported by Incheon Tourism Organization |

**Tuesday 8 September 2026**

## Sustaining the update – Protocols & data documentation

***Focus:*** *Updating protocols and documentation to ensure that NWI database does not expire after the initial effort*

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| 9:00-9:15 | Day 2 overview |
| 9:15-10:00 | Summary of the Data protocols guidance by **Dr. Anis Guelmami** (Presentation) |
| 10:00-10:30 | Detailed metadata demonstration in a real dataset example by **Dr. Anis Guelmami** (Presentation) |
| *10:30-10:45* | *Break* |
| 10:45-11:30 | Lecture on data harmonization to produce a consistent and coherent national database by **Dr. Anis Guelmami** (Presentation) |
| 11:30-12:15 | Working group session 1 led by **Dr. Anis Guelmami** – Design your own metadata (Guided hands-on session) |
| *12:15-13:15* | *Lunch break* |
| 13:15-14:00 | Working group session 2 led by **Dr. Anis Guelmami** – Test your metadata with a peer country (Guided hands-on session) |
| 14:00-14:30 | Lecture on Standard Operation Procedures (SOPs) in the context of wetland inventories by **Prof. Iryna Dronova** (Presentation) |
| 14:30-15:30 | Working group session "A 10-minute handover" by **Prof. Iryna Dronova** (Guided group activity) |
| 15:30-15:45 | *Break* |
| 15:45-16:45 | Metadata examples from South Korea NWI by **Dr. Sang-Hoon Lee, National Institute of Ecology** (Presentation) and *Mentimeter session* |
| 16:45-17:30 | Data lineage and versioning by **Dr. Anis Guelmami** (Presentation) |
| 17:30-18:00 | From interviewees to interviewers: collection of ecosystem and natural resources data with and by communities in Sundarbans, India by **Prof. Jenia Mukherjee, Indian Institute of Technology Kharagpur** (ONLINE presentation) |
| 18:00-18:15 | Day 2 recap, preview Days 3 & 4 |

**Wednesday 9 September 2026**

## Field trip

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| 8:30- 8:50 | Transfer to Ramsar Songdo Tidal Flat |
| 8:50-9:50 | Visit to **Songdo Tidal Flat Ramsar Site** (Incheon Bridge direction) and avian lecture presented by **Dr. Kwon In-gi**, Black-faced Spoonbil Eco-learning Centre |
| 9:50-11:30 | Transfer to **Imjin River Nature Centre** |
| 11:30-12:00 | Presentation on Yeoncheon County's wetland conservation activities and introduction to the Imjin River wetland (presented by Yeoncheon County Tourism Division) |
| 12:00-13:00 | *Lunch Break* |
| 13:00-13:30 | Transfer to **Biryong (Wyvern) Observatory** |
| 13:30-15:30 | Tour of Biryong Observatory. Specialist interpretation programme with a lecture by an avian expert of Yeoncheon, and exploration of the candidate Ramsar Site |
| 15:30-17:30 | Return and Day 4 briefing |

**Thursday 10 September 2026**

## Making the update operational – NWI data visualization and institutional longevity

***Focus:*** *creating a permanent, accessible digital home and communication platform for the NWI*

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| 9:00-9:10 | Day 3 overview |
| 9:10-9:50 | Overview of database storage and hosting options, map services by **Dr. Sung-Soo Yoon, National Institute of Ecology** (Presentation) |
| 9:50-10:30 | Overview of principles of effective visual communication, color considerations, content accessibility, and other important considerations by **Dr. Sung-Soo Yoon** (Presentation) and *Mentimeter session* |
| 10:30-10:45 | *Break* |
| 10:45-11:45 | Exercise: Imagining a future digital home for your NWI, led by **Prof. Iryna Dronova** (Guided hands-on session) |
| 11:45-12:30 | Preparation session for lightning talks on Day 5 |
| 12:30-13:30 | *Lunch break* |
| 13:30-14:00 | Monitoring to answer science and management questions: A case study of the San Francisco Estuary Wetlands Regional Monitoring Program by **Dr. Aviva Rossi, San Francisco Estuary Institute** and participation of **Dr. Christina Toms, California Water Board** and **Prof. John Callaway, University of San Francisco** (ONLINE presentation) |
| 14:00-15:30 | Sustaining the update by **Prof. Iryna Dronova** (Guided hands-on session) |
| 15:30-15:45 | *Break* |
| 15:45-16:15 | Aligning processes for regular institutional validation and stakeholder engagement by **PJ Stephenson, Chair of IUCN SSC Specialist Group on Species monitoring** (ONLINE Presentation) |
| 16:15-17:00 | Introduction to Global Wetlands Watch by **Dr. Christian Toettrup, DHI** and **Mr Stuart Crane, UNEP** (ONLINE Presentation) |
| 17:00-17:45 | Preparation session for lightning talks on Day 5 (continued) |
| 17:45-18:00 | Day 4 recap, preview Day 5 |

**Friday 11 September 2026**

## Delivering the update – application to national context & next steps in the NWI

***Focus:*** *finalizing NWIs and (from "draft" versions to "official" data products) and completing the conception of their updates, connecting 3 years of this training to the national agenda.*

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| 9:00-9:10 | Day 5 overview, logistics and reminders |
| 9:10-10:00 | **Lightning talks** (Presentations by participants) |
| 10:00-10:15 | *Break* |
| 10:15-11:10 | **Lightning talks** (continued) (Presentations by participants) |
| 11:10-11:30 | Comments and feedback by invited guest experts on lightning talks |
| 11:30-12:00 | Practice highlighting the value & advertising your NWI, discussion led by **Prof. Iryna Dronova** (Guided team exercise) |
| 12:00-13:00 | *Lunch break* |
| 13:00-14:00 | Presenting NWI to stakeholders (country presentations and discussion), discussion led by **Prof. Iryna Dronova** (Guided team exercise) |
| 14:00-14:30 | Next steps and available resources: support from the GEO-Wetlands partnership by **Dr. Flore Lafaye de Micheaux** (Presentation) |
| 14:30-14:45 | *Break* |
| 14:45-15:15 | Feedback survey, led by **Robert Godoy Recasens** |
| 15:15-15:45 | Concluding remarks by **UNOSD, NIE, Secretariat of the Convention on Wetlands** |
| 16:00 | Departure to airport |