



Expert workshop on management  
strategies and monitoring & assessment  
of MPAs in North-East Asia

Russian Federation	
9	Far-Eastern State Marine Biosphere Reserve
10	Sikhote-Alin State Natural Biosphere Reserve

China	
1	Beilun Estuary National Marine Nature Reserve
2	Shankou Mangrove National Marine Nature Reserve
3	Sanya Coral Reef National Nature Reserve
4	National Nature Reserve of Dazhou Island Marine Ecosystems
5	Nanji Islands National Marine Nature Reserve
6	Changyi National Marine Ecology Special Protected Area

Japan	
11	Shiretoko National Park

Republic of Korea	
7	Muan wetland Protected Area
8	Suncheon Bay wetland Protected Area
	Gochaon Wetland Protected Area

Image courtesy of NASA, Earthstar Geographics

# Key features of the project

## Focus

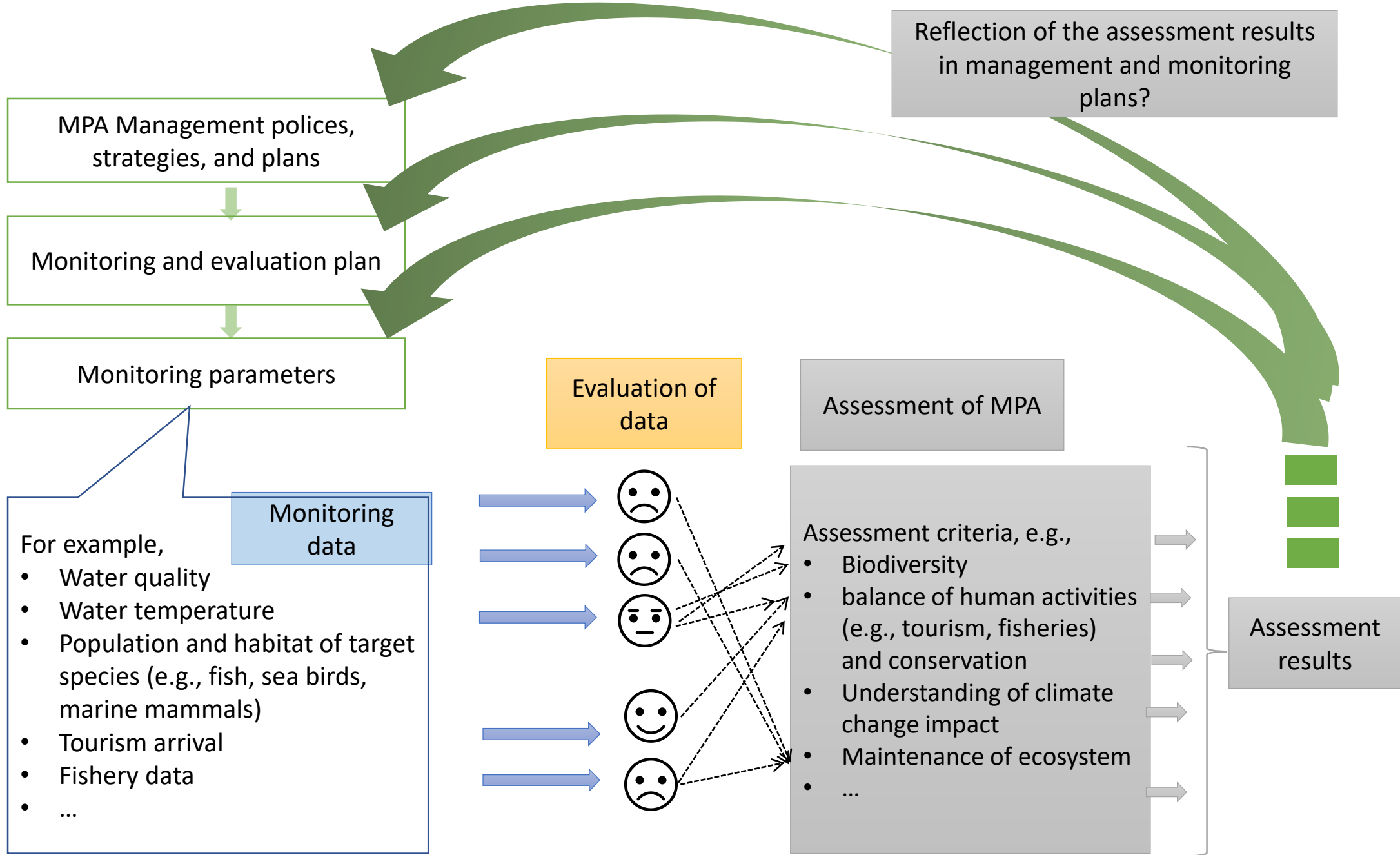
- ▶ Monitoring and assessment of the socio-economic and ecological status of MPAs

## Objective

- ▶ Sharing knowledge and experiences in monitoring and assessment methodologies;
  - Socio economic pressures on the MPA
  - Ecological status of the MPA

## Key question

- ▶ How ecological status and socio economic impact on MPAs are monitored / evaluated and incorporated into the management of MPA?



## Meeting objectives

1. To ensure the coherence of the studies
2. To share preliminary view of the study
3. To share availability of information and expected challenges in the study
4. To discuss any adjustments needed for the outline of the study

### Outline 1.2 - 1.4

MPA Management policies, strategies, and plans

Monitoring and evaluation plan

### Outline 3

### Outline 2.3

Reflection of the assessment results in management and monitoring plans?

### Outline 2.2

Monitoring parameters

Monitoring data

For example,

- Water quality
- Water temperature
- Population and habitat of target species (e.g., fish, sea birds, marine mammals)
- Tourism arrival
- Fishery data
- ...

Evaluation of data



Assessment of MPA

- Assessment criteria, e.g.,
- Maintenance of ecosystem
  - Biodiversity
  - balance of human activities (e.g., tourism, fisheries) and conservation
  - Understanding of climate change impact
  - ...

Assessment results

### Outline 2.1

# Tentative timeline

- ▶ **End February 2019**                      **submission of review report**
  - Comments by the secretariat and other experts
- ▶ **End March 2019**                      **submission of first draft of case studies**
  - Comments
  - Expert Group Meeting
- ▶ **End May 2019**                      **submission of final report (review + case studies)**
  - Expert Group Meeting (recommendations)?
- ▶ **Mid 2019**                              Dissemination workshop (site visits and knowledge sharing)

# Review of key features and management of the NEAMPAN sites in light of the outline of MPA study

## 1. Review of management plans / strategies of the selected NEAMPAN site

### Basic information of the target MPAs (related to outline 1.1)

*Brief overview including;*

- *Key characteristics of the site (geographic, environmental, socio-economic, etc)*
- *Key management structure of the site*

### Preliminary review of the strategic / management plan of the target MPA (1.2-1.4)

*Brief overview including;*

- *Objectives and contents*
- *Level of details of the plans (do they indicate what and how the site should be managed, responsibilities, authorities given to manage the area etc?)*
- *Links between strategic / management plans and on-going monitoring*



## 2. Monitoring and assessment of designated MPAs

### Monitoring parameters (related to outline 2.1)

*Brief reviews of monitoring parameters may include;*

- *Monitoring parameters (biological, socio-economic, environmental, etc) - what are the areas of parameters being monitored? (e.g, water quality, population of key species, visitor data, economic data)*
- *Monitoring bodies and collection of data - who collects what data and how? Availability of monitored data, etc*
- *Any critical gaps in monitoring parameters?*

### Assessment of data (2.2)

*Brief reviews of assessment of data may include;*

- *Are there assessment criteria?*
- *How the monitored data are evaluated / assessed against the criteria? And by whom?*

## Links between monitoring / assessment results and management (related to outline 2.3)

*Brief reviews of monitoring parameters may include;*

- *How assessment results are used for future management (e.g., for action, for planning, etc)?*
- *What is the institutional framework / stakeholder engagement in the monitoring and assessment of the site, and utilization of the assessment results?*

## Feedback of assessment results to management plans and practices (related to outline 3)

*Any foreseeable challenges in this study?*

## Case studies (related to outline 4)

*Preliminary assessment on the selection of NEAMPAN site for the case study?*

# Outline of the study (as in the TOR)

## **1. Review of management plans / strategies of the selected NEAMPAN site**

- 1.1 Basic information of the target MPA
- 1.2 Background of strategic / management plan of the target MPA
- 1.3 Objective of MPA management plan
- 1.4 Key contents of the management plans

## **2 Monitoring and assessment of designated MPAs**

### 2.1 Monitoring parameters

2.1.1 Areas addressed by the monitoring parameters: biological, socio-economic, environmental

2.1.2 Monitoring bodies and collection of data

### 2.2 Assessment of data

2.2.1 Assessment criteria and responsibilities: How and who evaluate the monitored data

2.2.2 Assessment against goals and indicators: How the evaluation / assessment is made against goals / indicators identified (if any) in the strategic / management plan

### 2.3 Links between monitoring/assessment results and management

2.3.1 Use of monitoring data: How it used for assessment, how monitoring results are followed up or reflected in the future plans / strategies

2.3.2 Institutional aspects: Parties involved in the management of MPAs (implementation of plans, monitoring the implementation, etc.)

## **3 Feedback of assessment results to management plans and practices**

## **4 Case studies – monitoring and assessment results and corresponding measures in the selected MPA**