Station	Data For Decision Making (DDM)
Objectives	1. Arrive at a fisheries management decision by analyzing given catch data 2. Discuss importance of setting up reliable catch data monitoring systems in making effective fishery management decisions
Outputs	Filled out answer sheet with 1. Fisheries management decision 2. Answers to discussion questions on importance of setting up catch data monitoring systems
Duration	20 minutes
Resources	- DDM Instructions (see lesson annexes) - Answer Sheets (see lesson annexes) - Pen - Portable photo printer - Table for writing
Procedure	**Station Set-up:** - Print one set of DDM instructions (see lesson annexes) and post sequentially on the wall, table, or wherever visible. - Print the same number of answer sheets (see lesson annexes) as the number of playing groups. Stack the answer sheets on the table. - Place a pen and the photo printer on the table. **Station Activity** This is a non-facilitated activity. 1. STEP 1. Participants read the instructions and scenarios. 2. STEP 2. Participants study given catch data analysis graphs. They discuss and decide on the best fisheries management intervention and write their answers on their answer sheets. 3. STEP 3. Participants discuss their answers to the discussion questions. They write their answers on their answer sheets.

Side Box	If you are going to play in windy conditions, it is advisable to place small stones or other weighted objects on top of the answer sheets.

Facilitator's Script

Step	Sample Spiels
Step 1. Intro	
1.1 Greeting	*Welcome everyone to the Data for Decision Making Station.*
1.2 Task	*You are the management body of Malipayon, and your task, along with your mayor, is to come up with a well-informed fisheries management decision based on given data.*
1.3 Context	*To monitor the fish catch of a municipality, traders submit daily catch records of fishers they trade with to the Municipal Agricultural Officer (MAO).* *The MAO then consolidates and analyzes the data, and gives it to the mayor.* *The mayor, along with the management body, discuss this data and make decisions for fisheries management interventions that need to be made to ensure that their fish stocks are kept at a sustainable level.*
Step 2. Activity	
2.1 Distribute activity sheets	

2.2 Instructions	*This is the annual catch data of Malipayon. The blue bars represent the average number of kilos caught through hook and line fishing while the orange represents fine mesh net fishing.* *Let's answer the discussion questions.* *[proceed to discuss questions in activity sheet]*
Step 3. Synthesis	
1.1 Transition	*As you saw in the activity, it is very important to have the right information to base decisions on.* *Fish Forever works with fishers, traders and communities to collect reliable information on fish catch and other indicators of fisheries and habitat health to make sure that this data is analyzed and available to management bodies.* *Catch monitoring is one of the more difficult fisheries management strategies to implement because it can be tedious and cause delays in the process of getting the fish to the market.* *As a solution, we have recently developed an app called OurFish to make data collection simpler and more efficient.*
1.2 Our Fish Demo	*We give fish traders the app, where they have records of each fisher, his catch, and his total balance.* [Demo app then have 1-2 participants try]
Step 4. Closing	

4.1 Thank you	Thank you very much for that enriching discussion.
4.2 Stamp quest map	Let me stamp your maps and you may proceed to the next available station.

Lesson 3 Annexes

DATA FOR DECISION MAKING INSTRUCTIONS

STEP 1. Have someone in your group read the text below aloud.

"To monitor the fish catch of a municipality, traders submit daily catch records of fishers they trade with to the Municipal Agricultural Officer (MAO). The MAO then consolidates and analyzes the data, and gives it to the mayor. The mayor, along with the municipality's coastal fisheries management body, discuss this data and make decisions for fisheries management interventions that need to be made to ensure that their fish stocks are kept at a sustainable level. "

In your group, assign someone to play mayor. His/her task will be to facilitate the discussions for the following activity.

The rest of your group members will act as the management body whose task is to discuss and make recommendations on fisheries management interventions based on given catch data.

Lastly, assign a management body secretary to write down your discussion outputs.

STEP 2. The mayor reads the text below, then facilitates the discussion question that follows. The secretary writes your group's answers on the answer sheet provided.

The catch data analysis (fig.1) below shows that overfishing is present in the municipality. In addition, the numbers show that a high percentage of the catch are juveniles attributed to the use of fine mesh nets. Juveniles must not be fished to allow them to reach maturity and reproduce, therefore keeping fish stocks at sustainable levels.

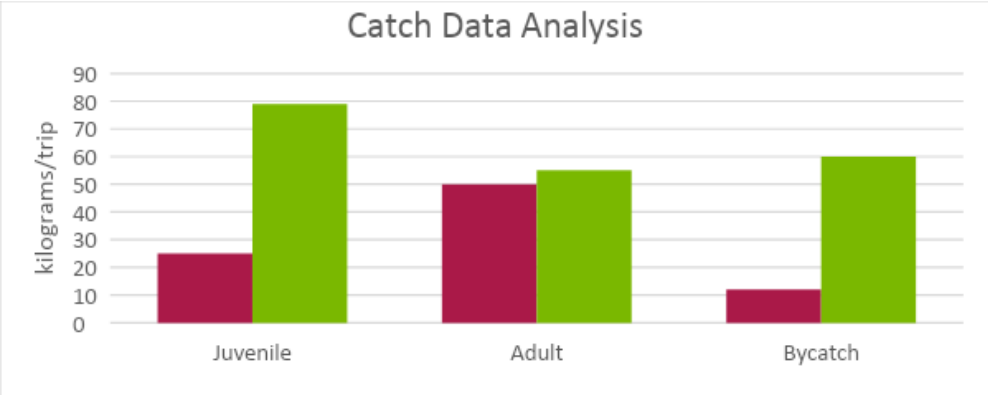

Fig. 1

Using the data above, discuss and select from the options below the best fisheries management intervention to address the issue of overfishing and juvenile catch. *Circle your recommendation on the answer sheet and provide an explanation for your decision.*

A – Remain at status quo
B – Allow hook and line only
C – Allow fine mesh net only
D – Swap gears (take fine mesh nets from fishers and give hook and lines instead)
E – others (please specify)

STEP 3. The mayor again facilitates a discussion on the questions below. The secretary writes your group's responses on the answer sheet.

1. What particular information from the graph helped you arrive at your decision?

2. How do you feel about your decision?

3. Why is it important to have reliable data in making decisions in fishery management?

4. How might we help communities arrive at sound decisions in fishery management?

DATA FOR DECISION MAKING
ANSWER SHEET

STEP 2. *Circle your recommendation on the answer sheet and provide a 1-2 sentence explanation for your decision.*

A – Remain at status quo

B – Allow hook and line only

C – Allow fine mesh net only

D – Swap gears – take fine mesh nets from fishers and give hook and lines instead

E – others (please specify) _____

Explanation for your decision: _____

_____

STEP 3. Write 1-2 sentence answers to the following questions.

1. What particular information from the graph helped you arrive at your decision?

   _____

   _____

2. How do you feel about your decision?

   _____

   _____

3. Why is it important to have reliable data in making decisions in fishery management?

   _____

   _____

4. How might we help communities arrive at sound decisions in fishery management?

   _____

   _____