SCREENING CHAPTER 13
FISHERIES

AGENDA ITEM 9:
RESEARCH AND DATA COLLECTION

Country Session: The Republic of TURKEY
31 March 2006

CONTENTS

I. RESEARCH
II. DATA COLLECTION

I. RESEARCH

Legal Basis

Fisheries Law no 1380 empowers MARA to conduct research, and to have it done, in the field of fisheries

In direct collaboration with universities, MARA undertakes its research task through DG for Agricultural Research

Research Institutes

DG for Agricultural Research has four regional institutes as regards fisheries;

➢ Central Fisheries Research Institute, Trabzon

➢ Mediterranean Fisheries Research, Production and Training Institute, Antalya

➢ Fisheries Research Institute, Eğirdir

➢ Fisheries Research Institute, Elazığ

Other Institutions

➢ **Universities;**

Fisheries Faculties	15
Faculty of Marine Science	1
Fisheries Departments	6
Marine Science Institutes	3

Priority Setting and Programming

➢ Priorities are defined in Agricultural Research Master Plans which are developed for 5 year periods including fisheries in consultation with all stakeholders.

➢ Master Plan forms basis for MARA Research Institutes' activities

➢ MARA Research Institutes program their activities with the participation of universities and other research institutes
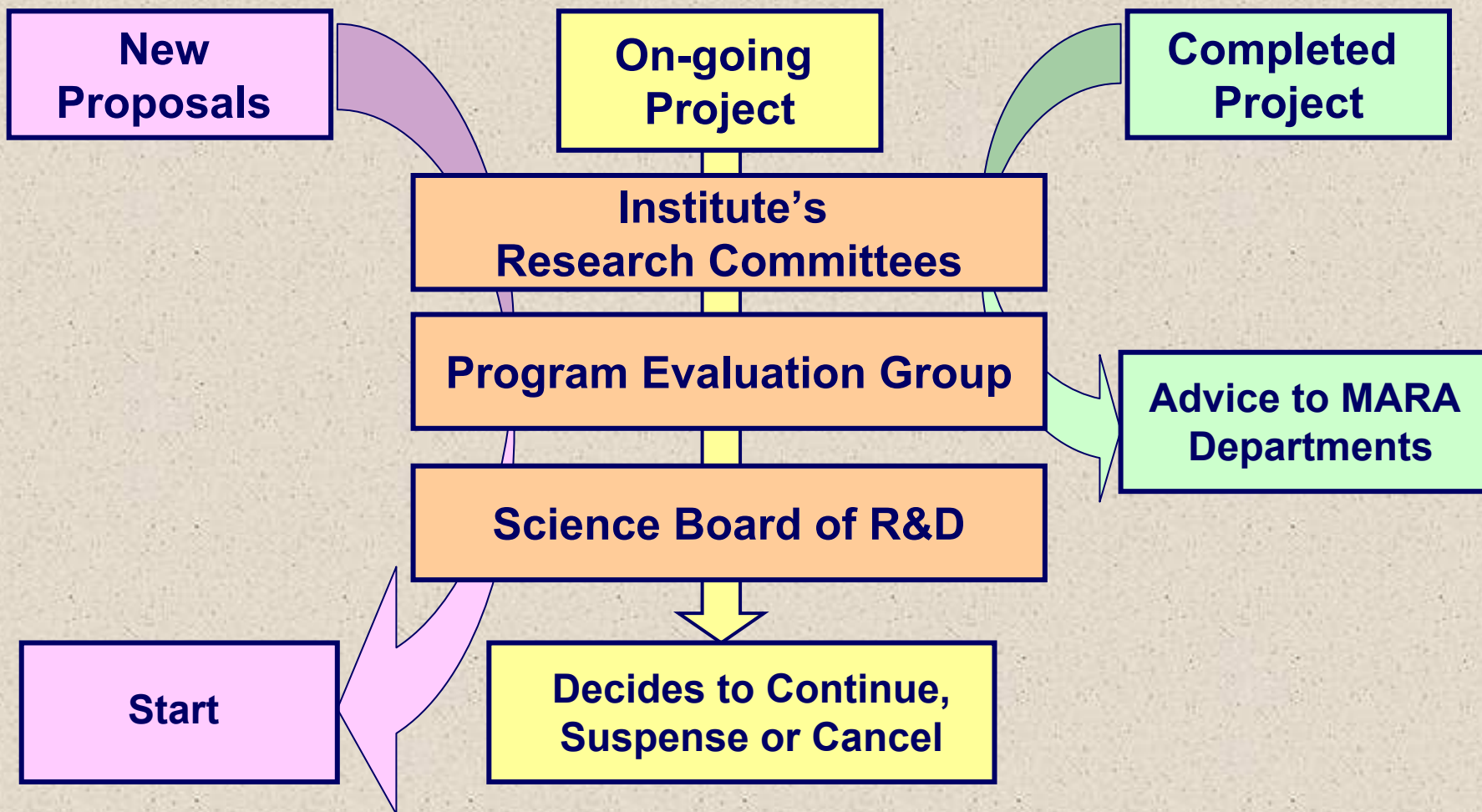
Program Priorities (2006-2011)

➢ Fisheries Management

➢ Fish Health Management

➢ Aquaculture and Breeding

➢ Social and Economic Analysis

➢ Organic Aquaculture

Programming

New Proposals	**On-going Project**	**Completed Project**

Institute's Research Committees

Program Evaluation Group → **Advice to MARA Departments**

Science Board of R&D

Start ← **Decides to Continue, Suspense or Cancel**

Stocktaking of Research Activities

➢ Between 1996 and 2005, 68 projects funded by GDAR, have been completed.

➢ Most of these projects were related to aquaculture.

➢ The studies on stock assessment has been limited.

Some activities/projects

Aquaculture

➢ Culture of commercial fish: Common carp, Trout, Seabass and Seabream

➢ Fish culture development project in Black Sea: Turbot hatchery techniques (1997-Ongoing)

➢ Culture of alternative species (2000-Ongoing)

➢ Ecology and hatchery production of Sea trout (2001)

Some activities/projects

Resource Management-1

➤ Stock assessment of sea snail in the Eastern Black Sea (1992)

➤ Stock assessment of economic demersal fish in Marmara Sea (1994)

➤ Stock assessment studies in the Black Sea coast (1994)

➤ Demersal fishery resources in the Aegean Sea (1994)

Some activities/projects

Resource Management-2

➤ Research project on economically important fish species (1996)

➤ Investigation on industrial fishery of the Aegean Sea (1998)

➤ Investigation on industrial fishery of the Mediterranean Sea (2000)

➤ Effect of fishing effort on demersal fish stocks in Eastern Black Sea in Turkey (2000)
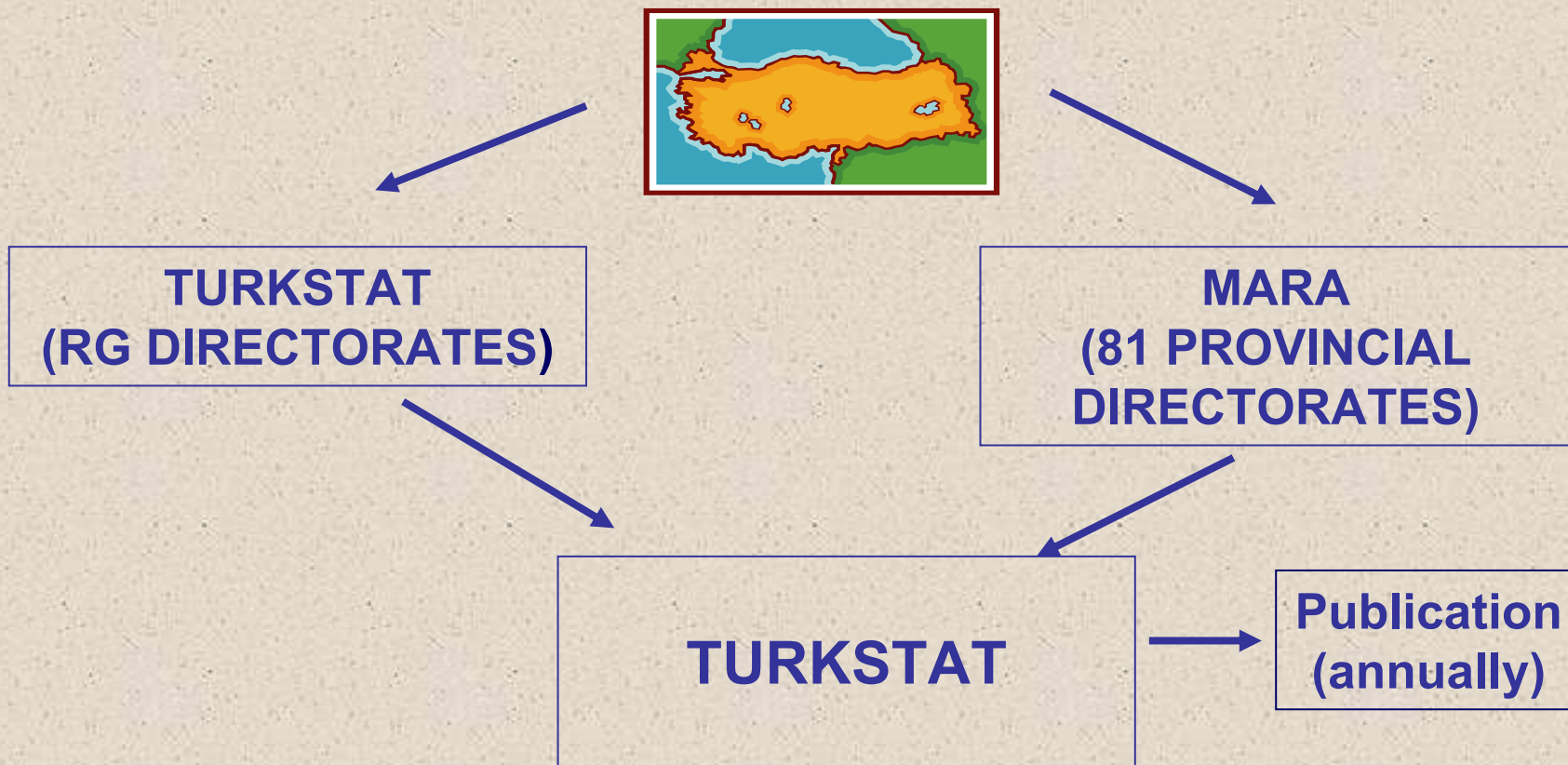
II. DATA COLLECTION

Legal Basis

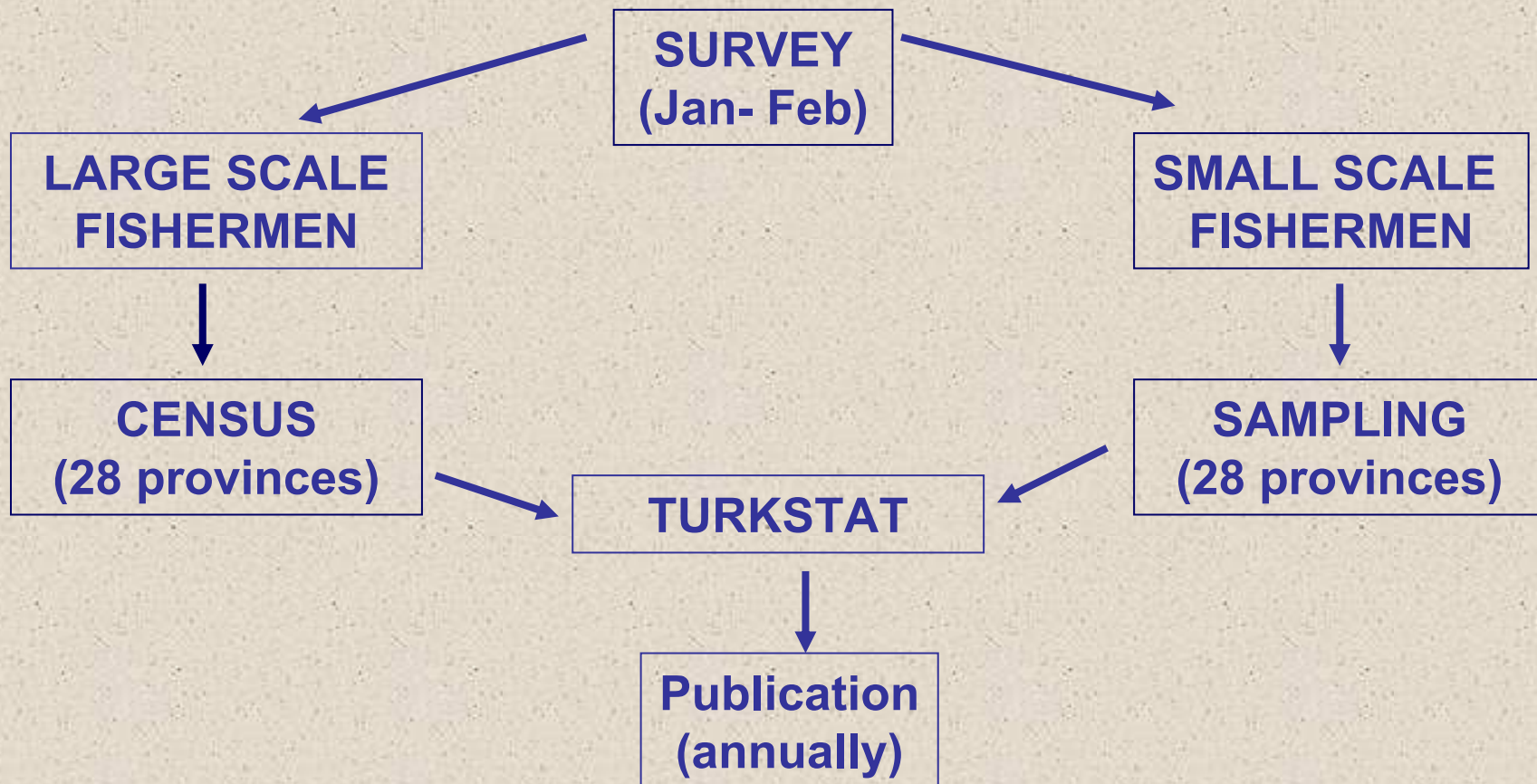Competent authority for statistics is Turkish Statistics Institute (TURKSTAT)

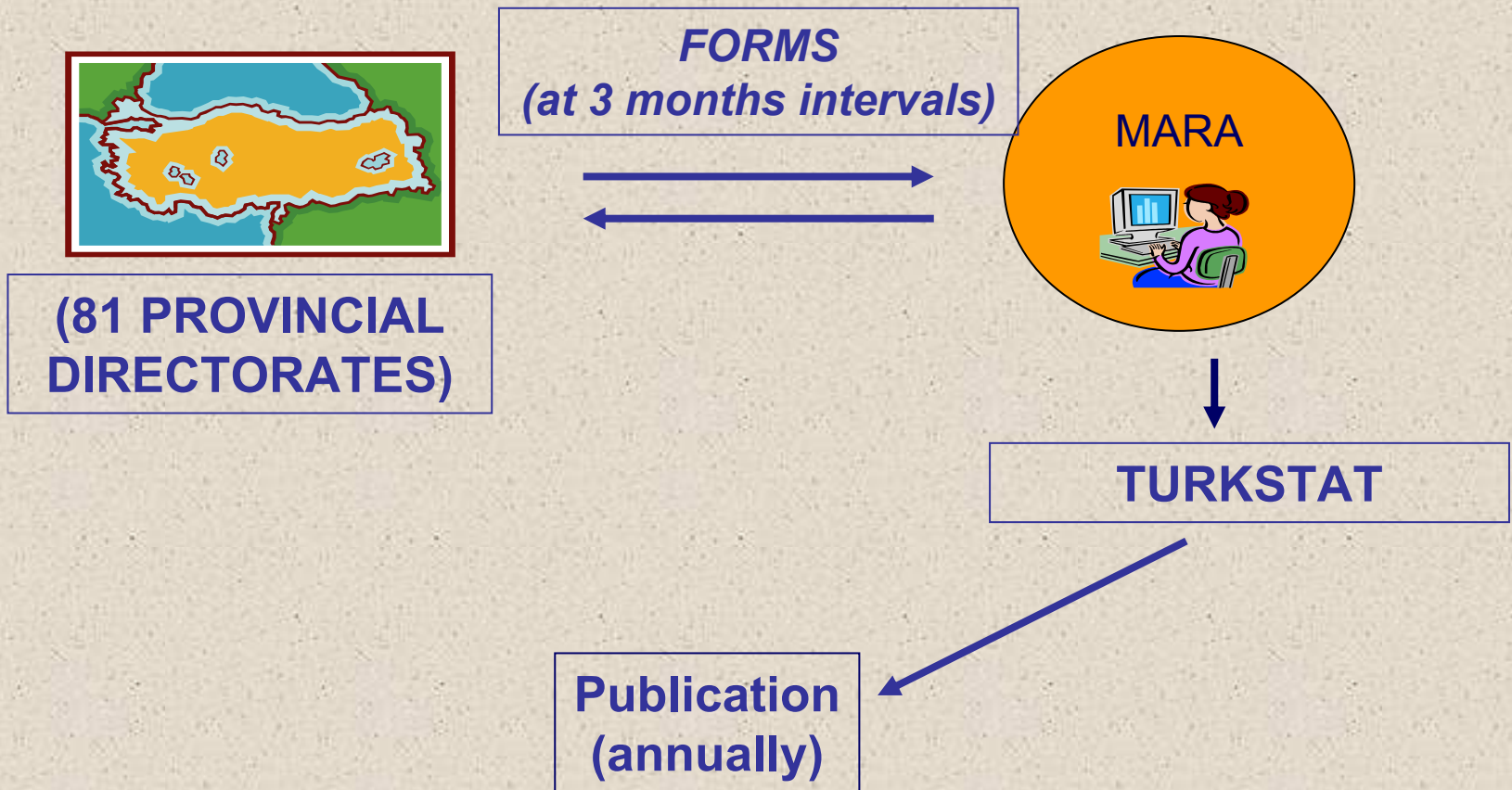TURKSTAT undertakes its duties in collaboration with MARA

Data Flow

**TURKSTAT
(RG DIRECTORATES)**

**MARA
(81 PROVINCIAL
DIRECTORATES)**

TURKSTAT

**Publication
(annually)**

Methodology and Data Flow for Marine Fisheries

SURVEY (Jan- Feb)

LARGE SCALE FISHERMEN

SMALL SCALE FISHERMEN

CENSUS (28 provinces)

SAMPLING (28 provinces)

TURKSTAT

Publication (annually)

Methodology and Data Flow for Freshwater and Aquaculture Production

FORMS
(at 3 months intervals)

MARA

(81 PROVINCIAL DIRECTORATES)

TURKSTAT

Publication (annually)

Marine Fishery Questionnaire
<u>Variables</u>

➤ Characteristics of vessels operated in fishery

➤ Type of fishing

➤ Number of fishing crew, total working day and payment

➤ Credits taken by fishermen for fishing

➤ Expenditures for fishery activities

➤ Fixed capital investment and sales for fishing activities

Marine Fishery Questionnaire
<u>Variables</u>

➢ Annual quantity and value of fish caught

➢ Annual quantity and value of crustaceans,   molluscs

➢ Distribution of production

➢ Type of marketing and selling

➢ Income and expenditure

Freshwater and Aquaculture Questionnaire

➢ Monthly quantity and value of fish caught

➢ Source type and name

THANK YOU FOR YOUR ATTENTION