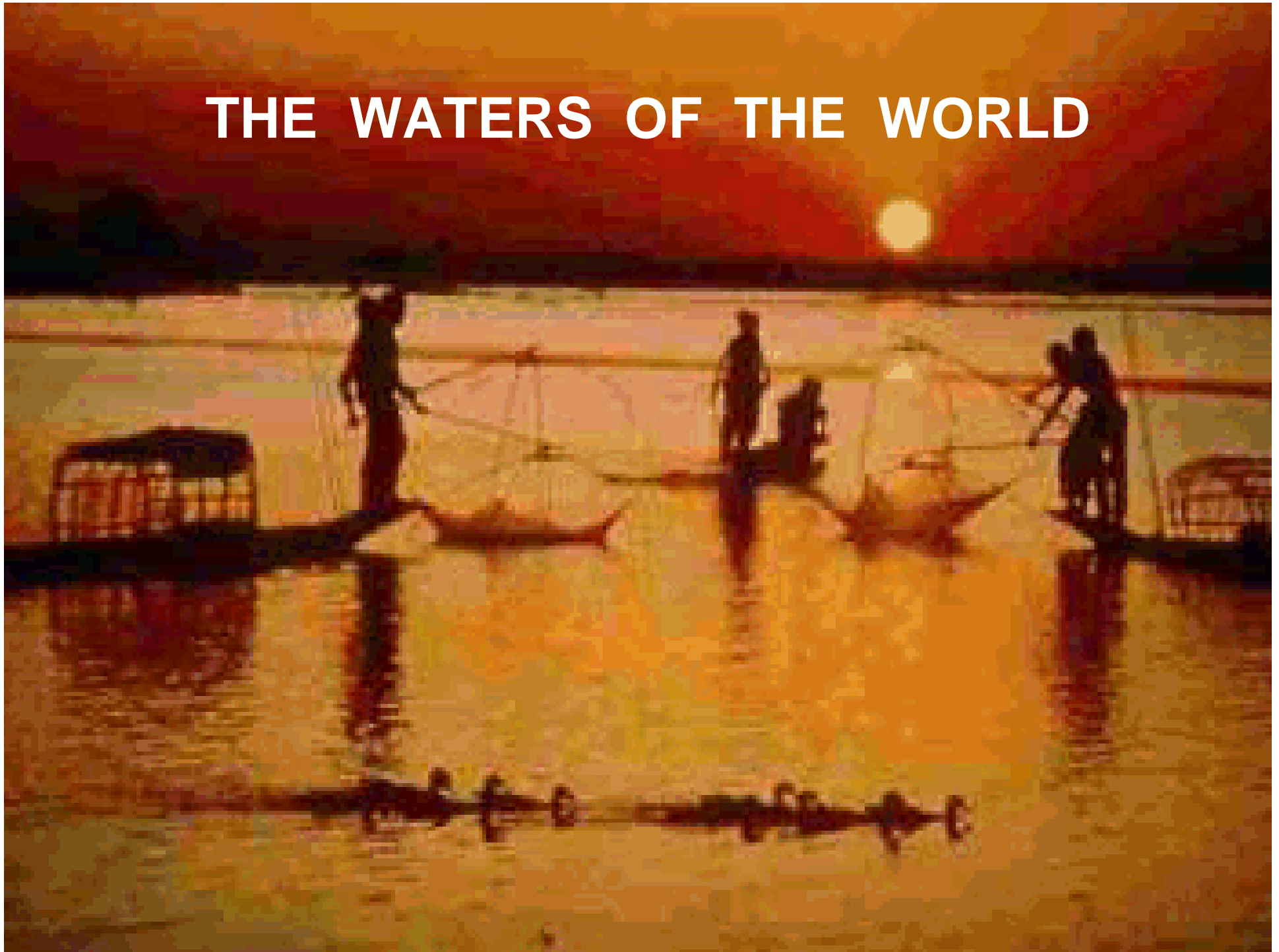


# ASFA

**AQUATIC SCIENCES AND FISHERIES ABSTRACTS**

**INFORMATION SYSTEM AND  
BIBLIOGRAPHIC DATABASE**

# THE WATERS OF THE WORLD







# ARE FOR MANY PEOPLE



# AN IMPORTANT SOURCE OF

PROTEIN



# AN IMPORTANT SOURCE OF

**PROTEIN**



**EMPLOYMENT**



# AN IMPORTANT SOURCE OF



**PROTEIN**



**EMPLOYMENT**



**INCOME**



# AN IMPORTANT SOURCE OF



**PROTEIN**



**EMPLOYMENT**



**INCOME**



**FOOD SECURITY**

# AN IMPORTANT SOURCE OF



**PROTEIN**



**EMPLOYMENT**



**INCOME**



**RECREATION**



**FOOD SECURITY**

**THEREFORE**

**AQUATIC RESOURCES SHOULD BE  
DEVELOPED AND UTILIZED TO THEIR  
FULLEST SUSTAINABLE POTENTIAL**



# THROUGH DEVELOPMENT OF APPROPRIATE TECHNOLOGY AND



# THROUGH RATIONAL MANAGEMENT STRATEGIES



THE **BUILDING BLOCKS** OF:  
MANAGEMENT DECISIONS AND  
TECHNOLOGICAL DEVELOPMENT

ARE



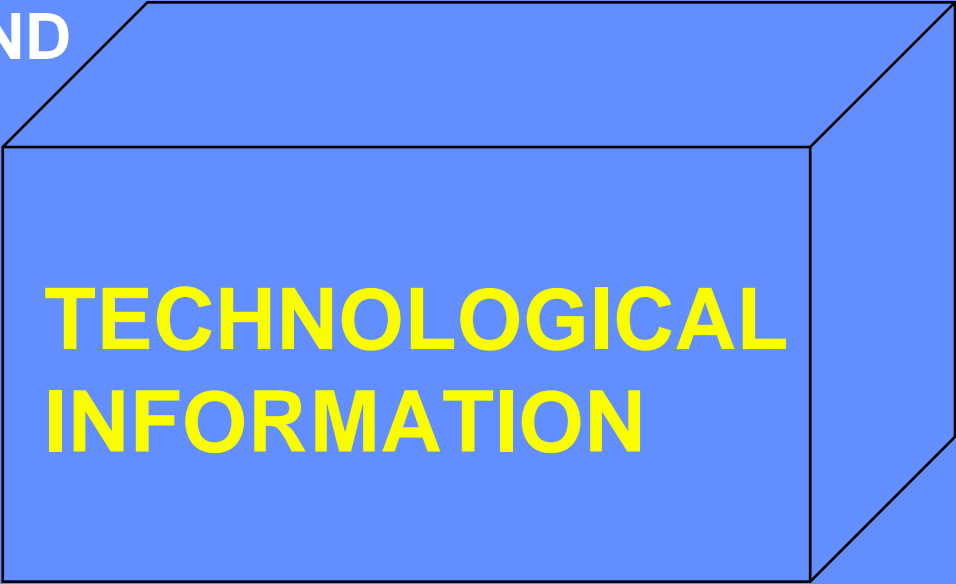


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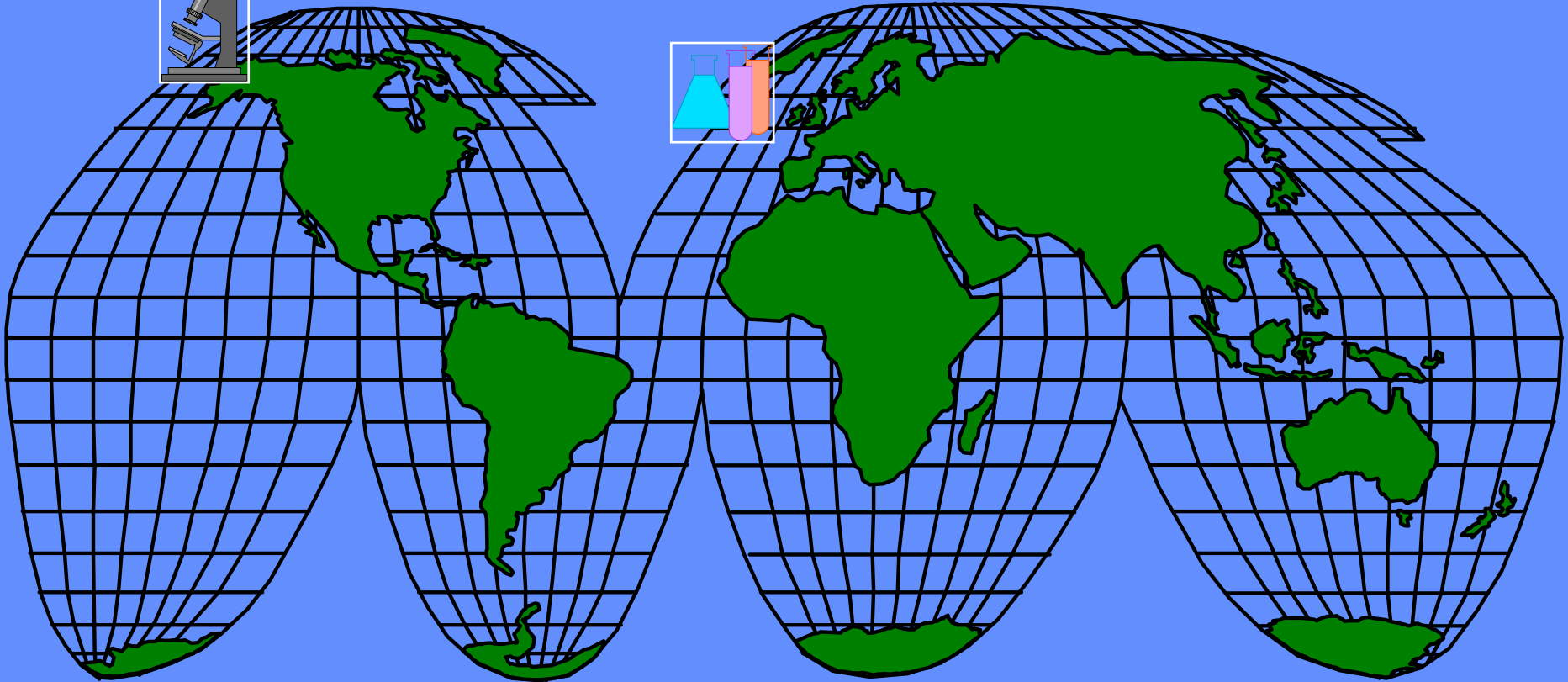
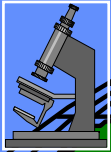
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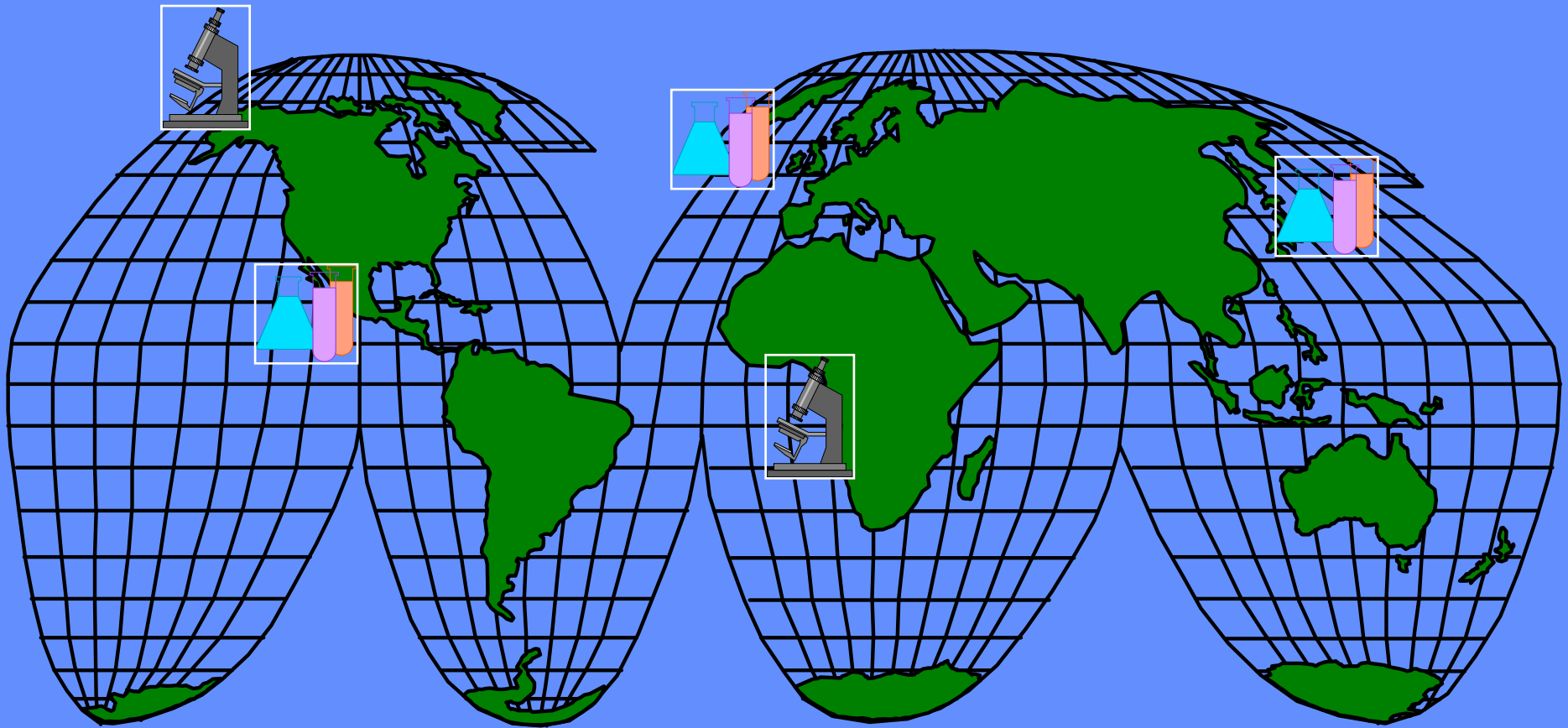
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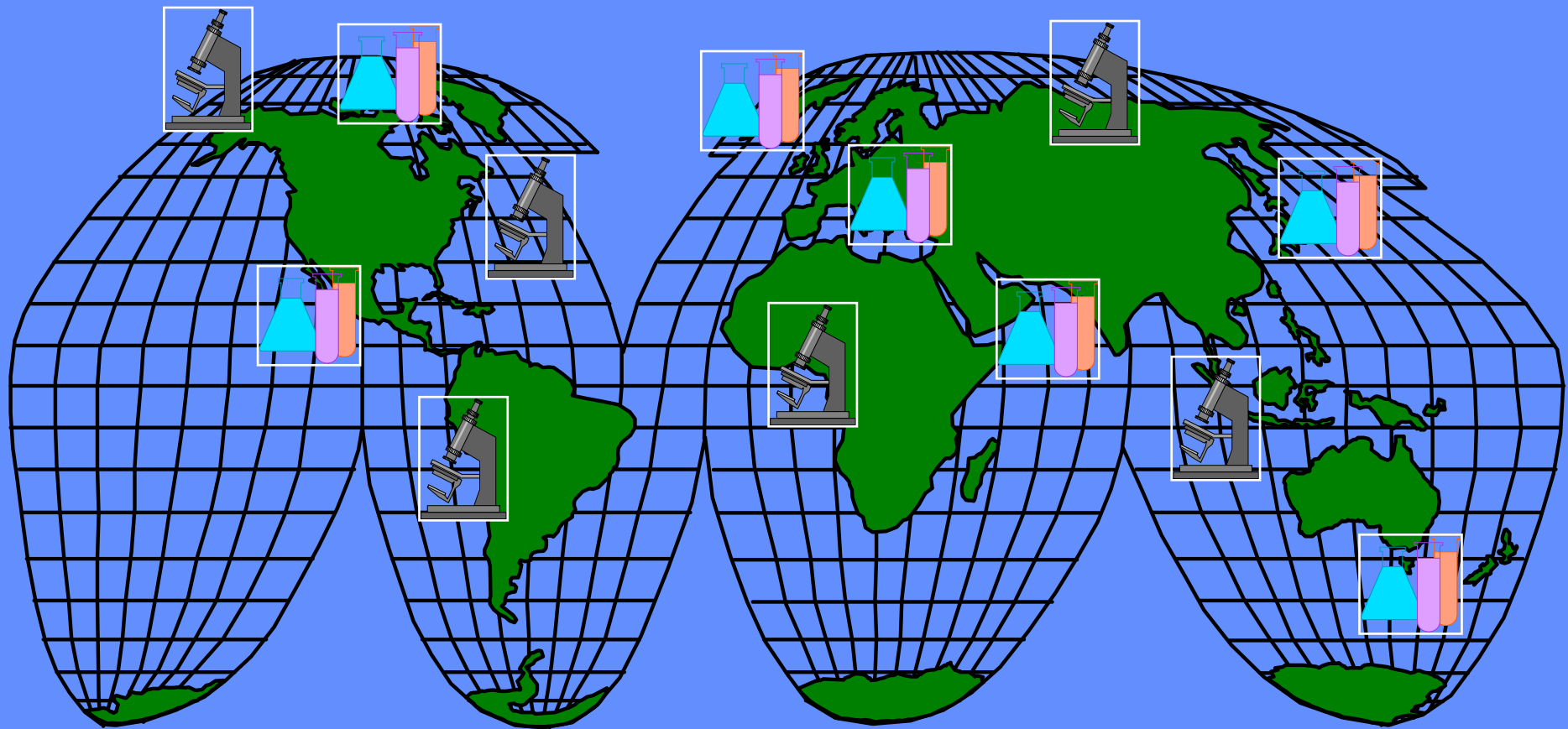
**TECHNOLOGICAL  
INFORMATION**

# IN THOUSANDS OF RESEARCH PROJECTS

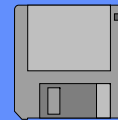
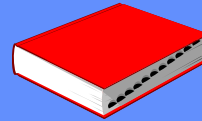
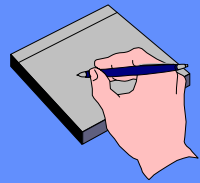




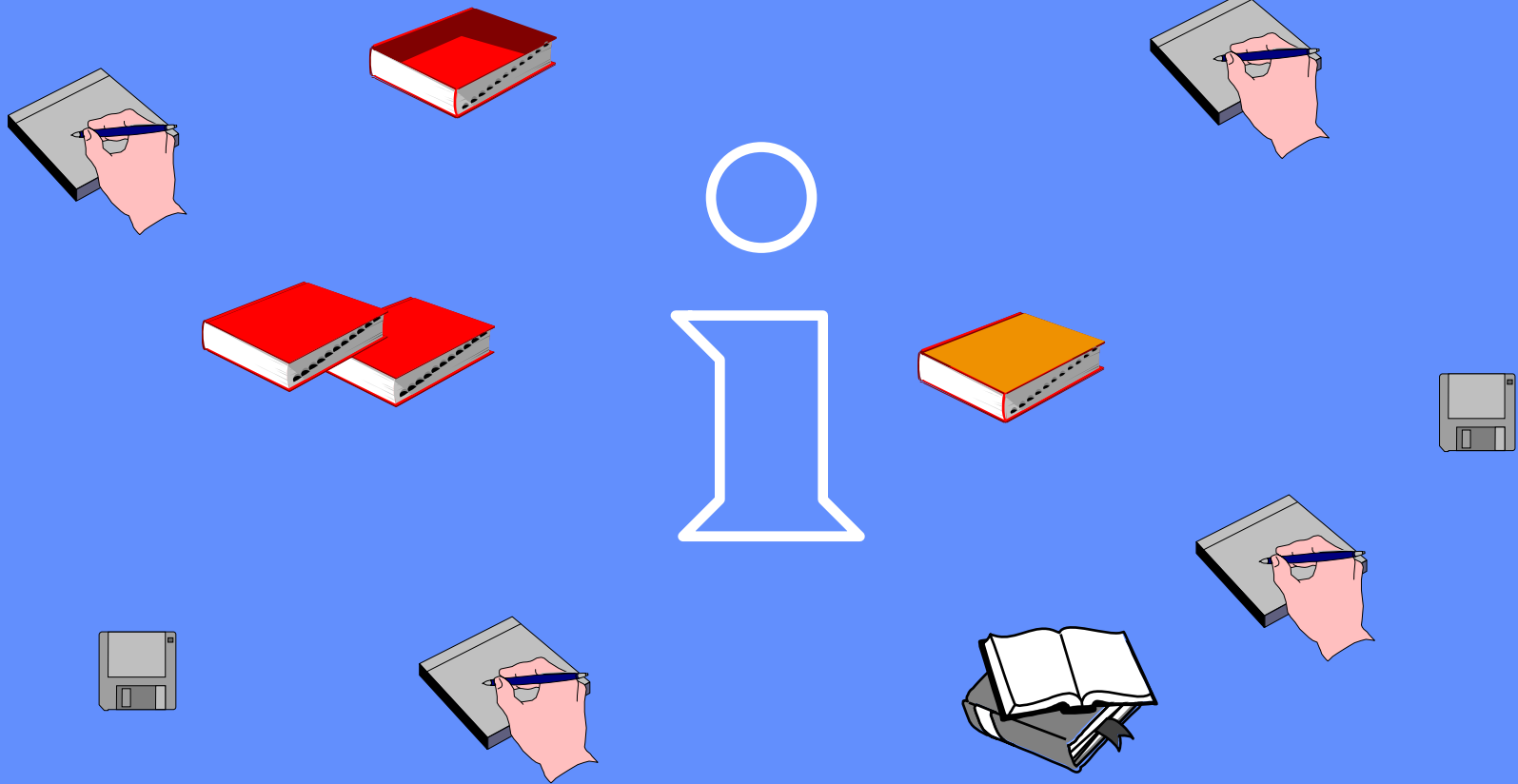
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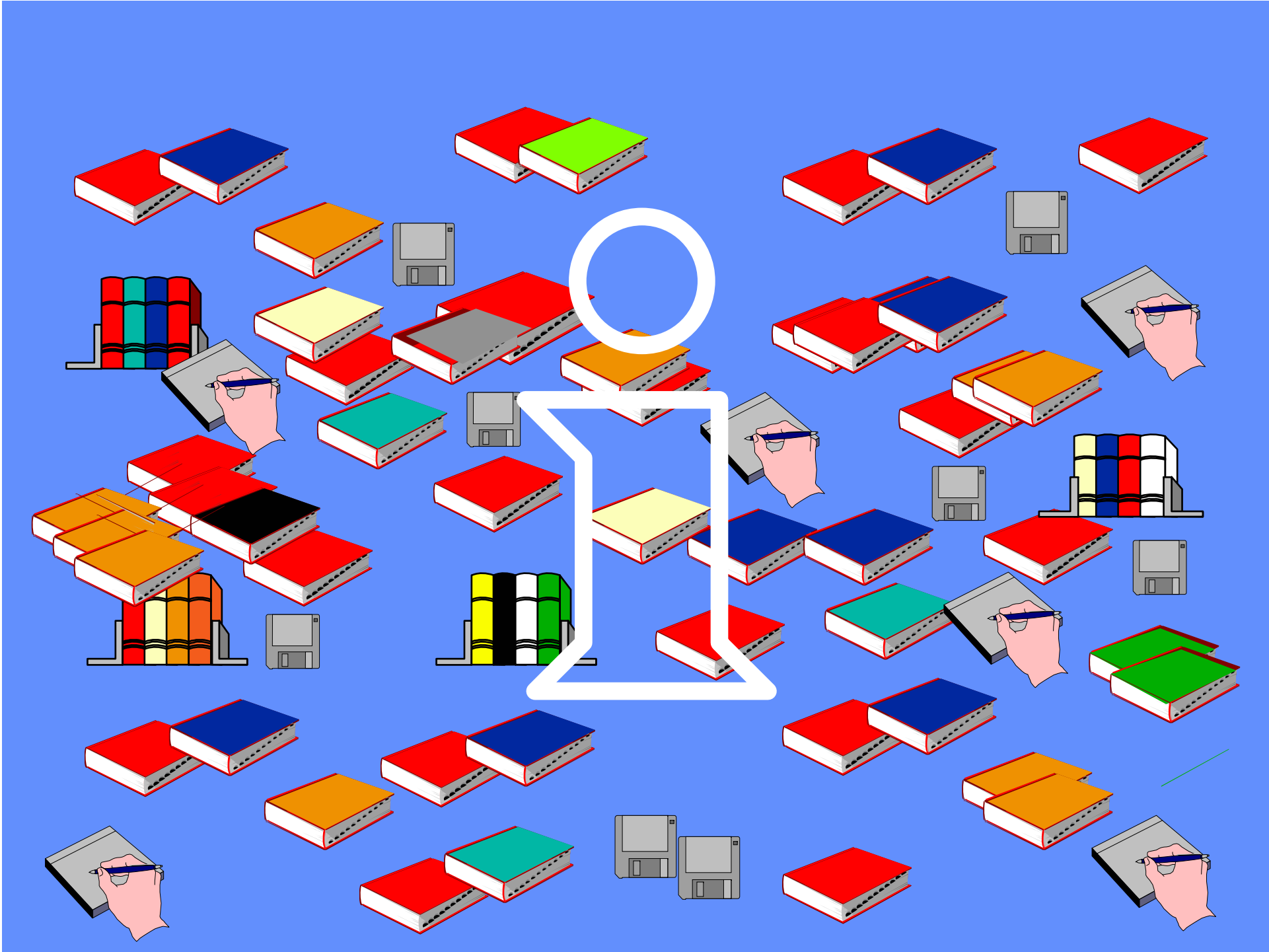


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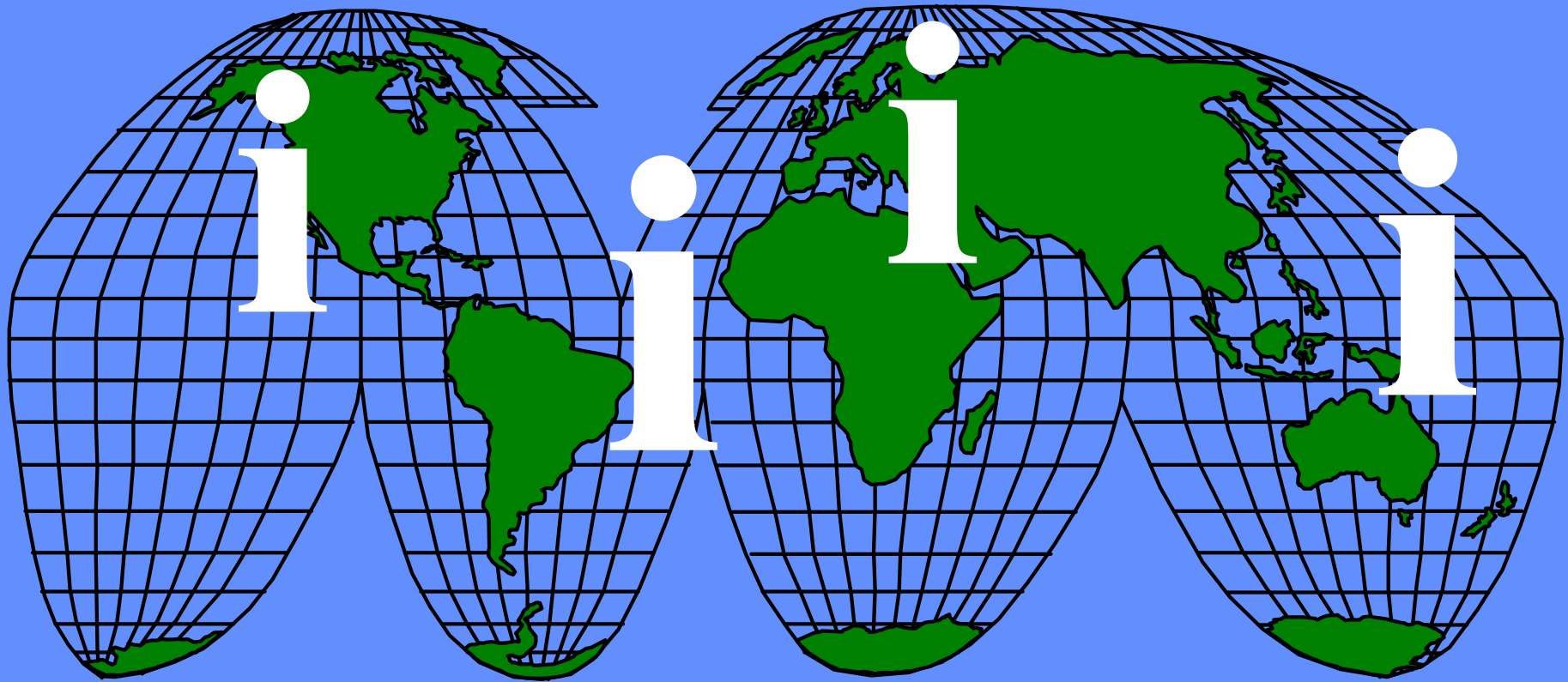


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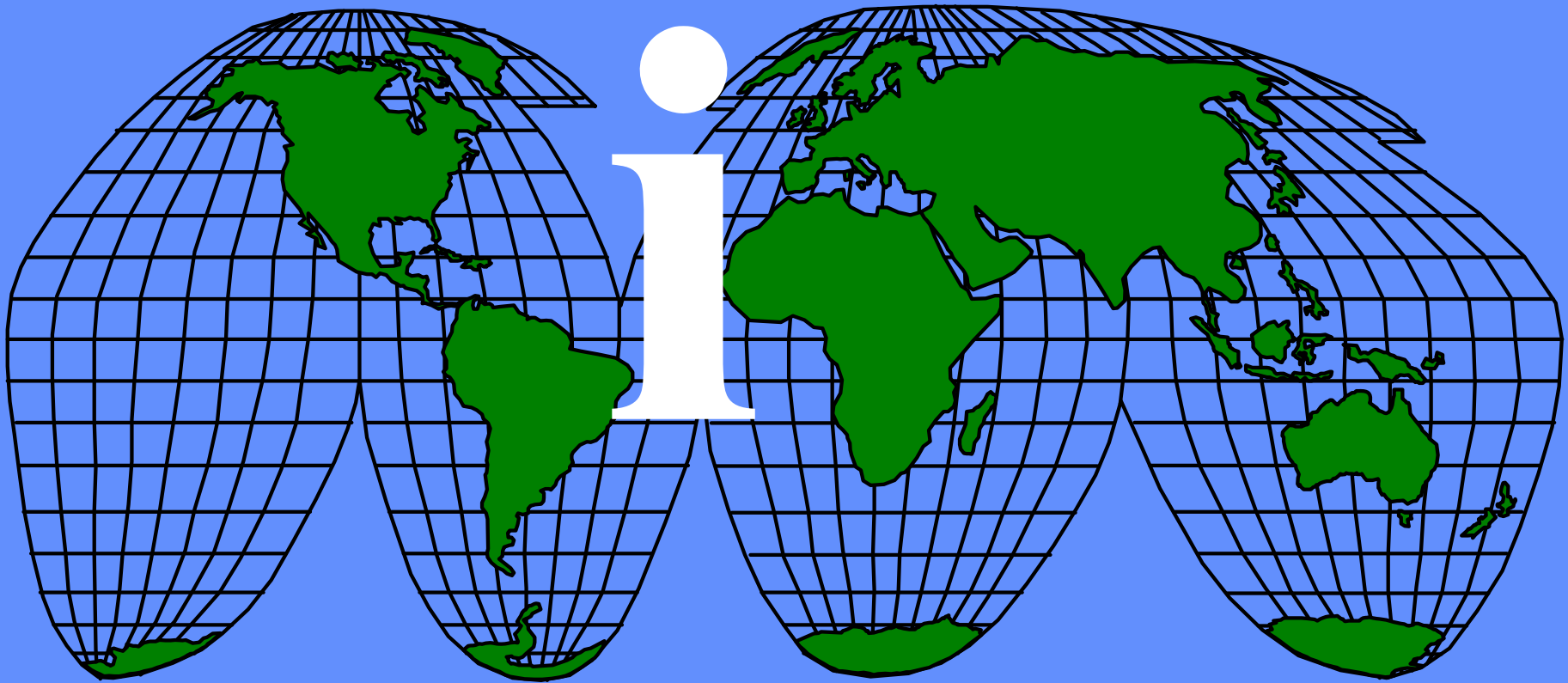




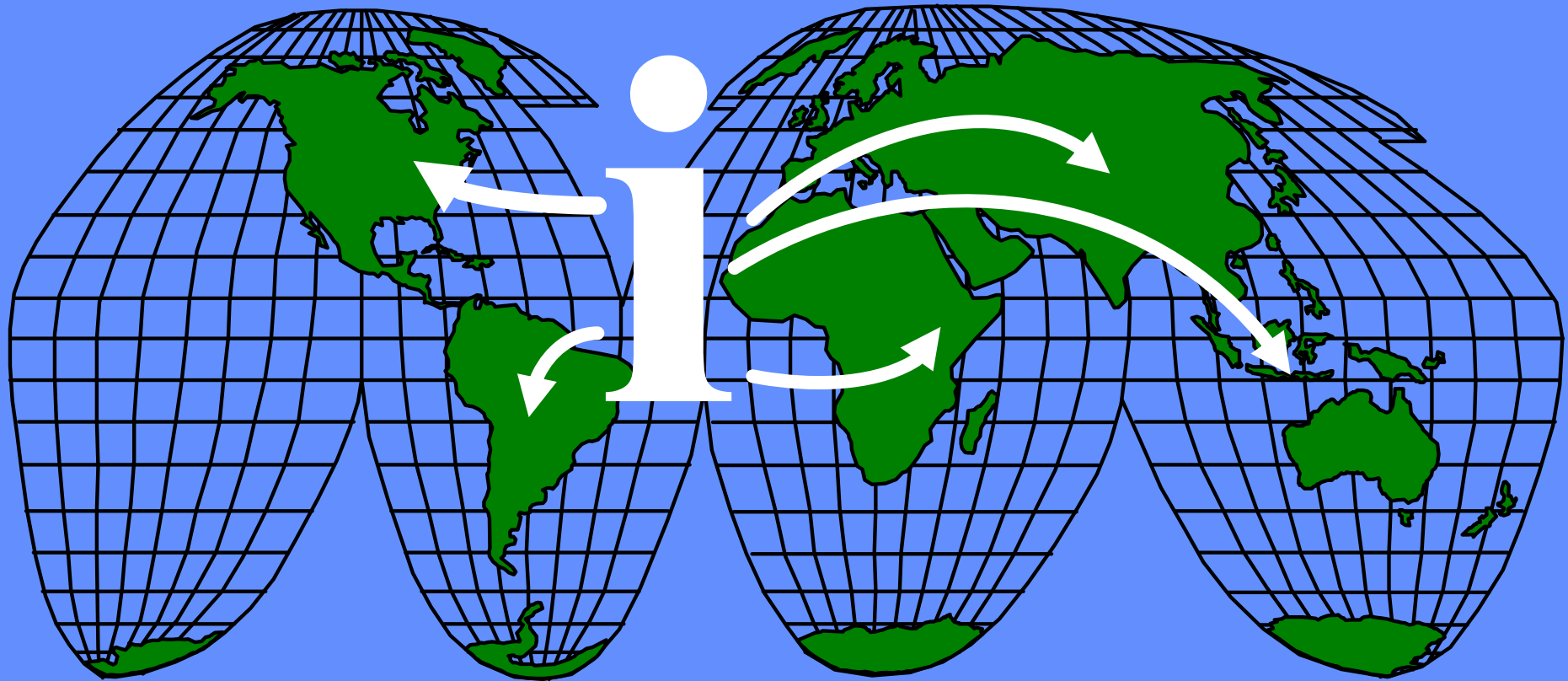
Information WHICH COULD HELP SOLVE  
MANY OF THE WORLDS FOOD  
PROBLEMS



BUT INFORMATION **ALONE**  
IS **NOT** ENOUGH



**TRANSFER** OF INFORMATION IS NECESSARY  
FOR DEVELOPMENT TO TAKE PLACE



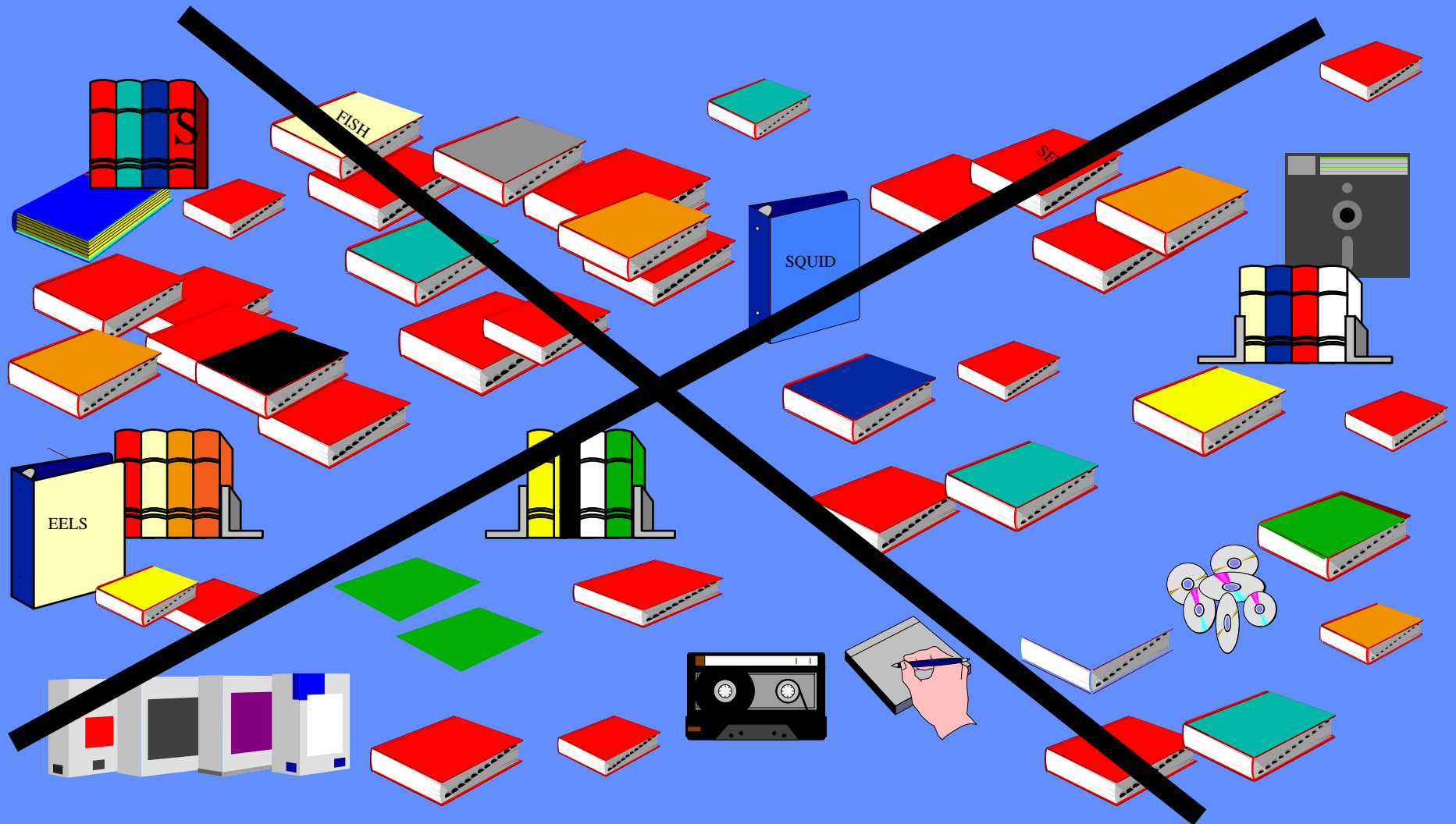
# HOWEVER, THE **VOLUME** AND **DIVERSITY** OF AQUATIC SCIENCE LITERATURE



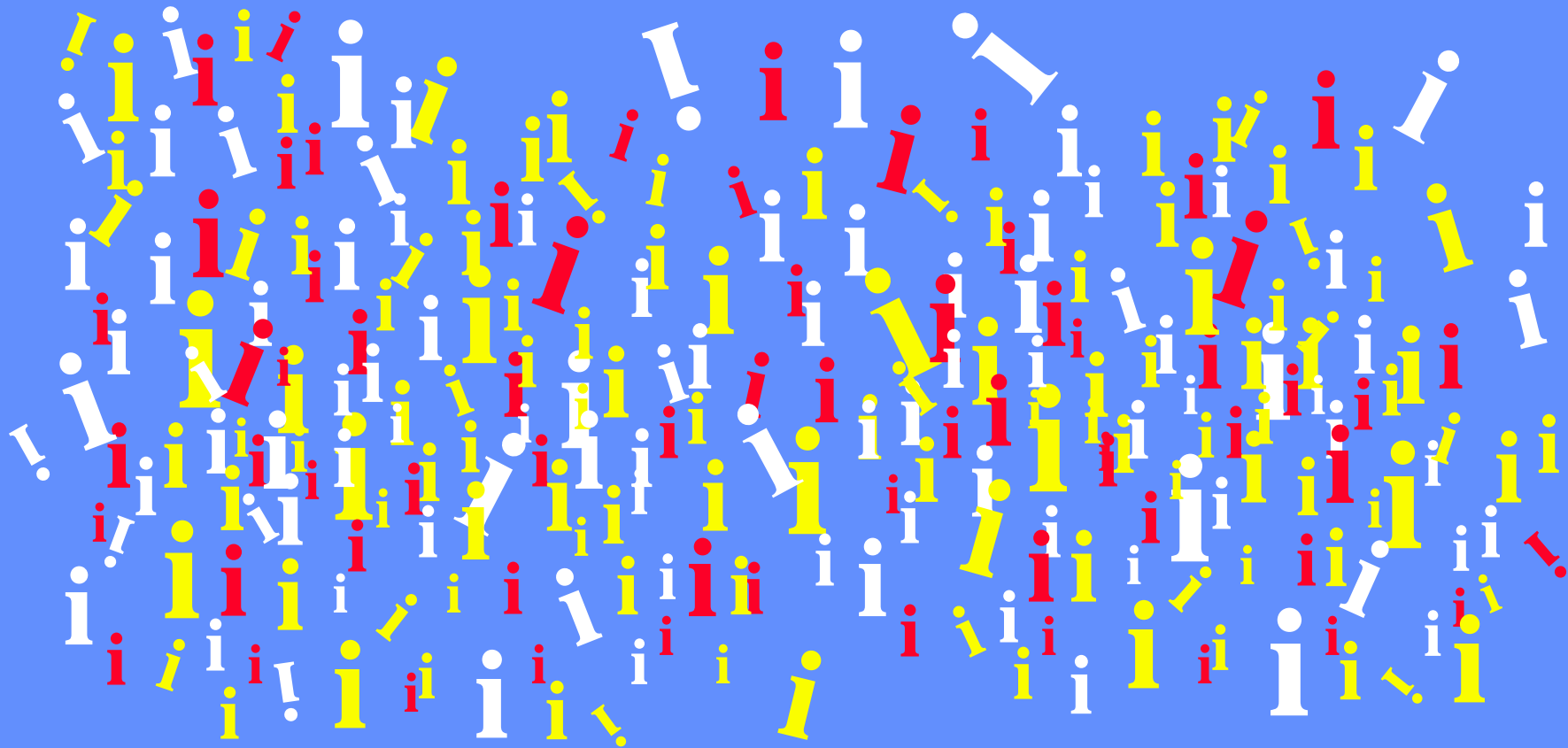
RENDERS ITS PROCESSING  
**BEYOND** THE CAPABILITY OF ANY  
**SINGLE** INSTITUTION OR COUNTRY



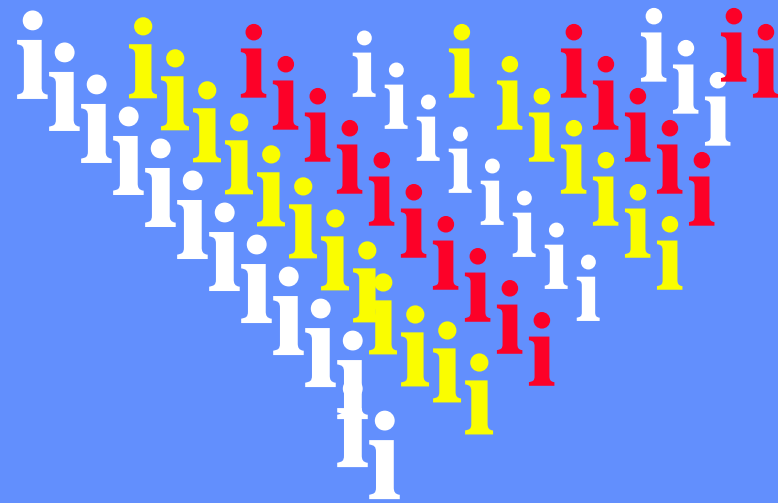
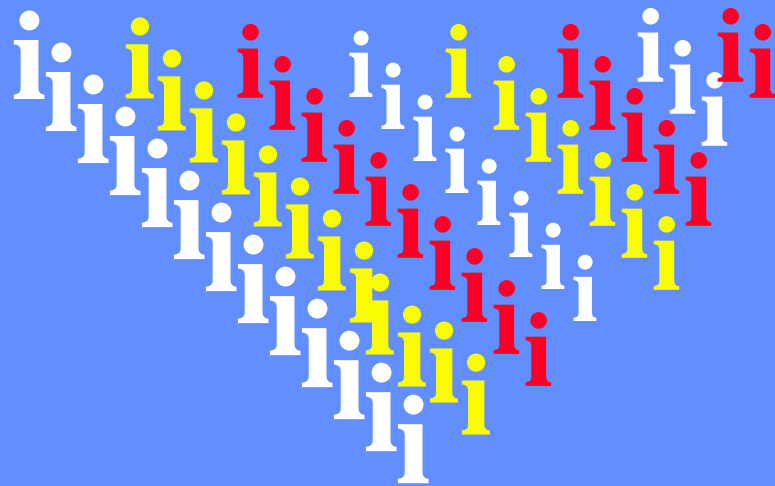
# INFORMATION SEEKERS OFTEN **CANNOT** FIND THE INFORMATION NEEDED



# THE **NEED** FOR AN ORGANIZED WAY OF **OBTAINING** INFORMATION AND



MAKING IT AVAILABLE IN A  
**TIMELY** AND **EFFECTIVE** FORMAT



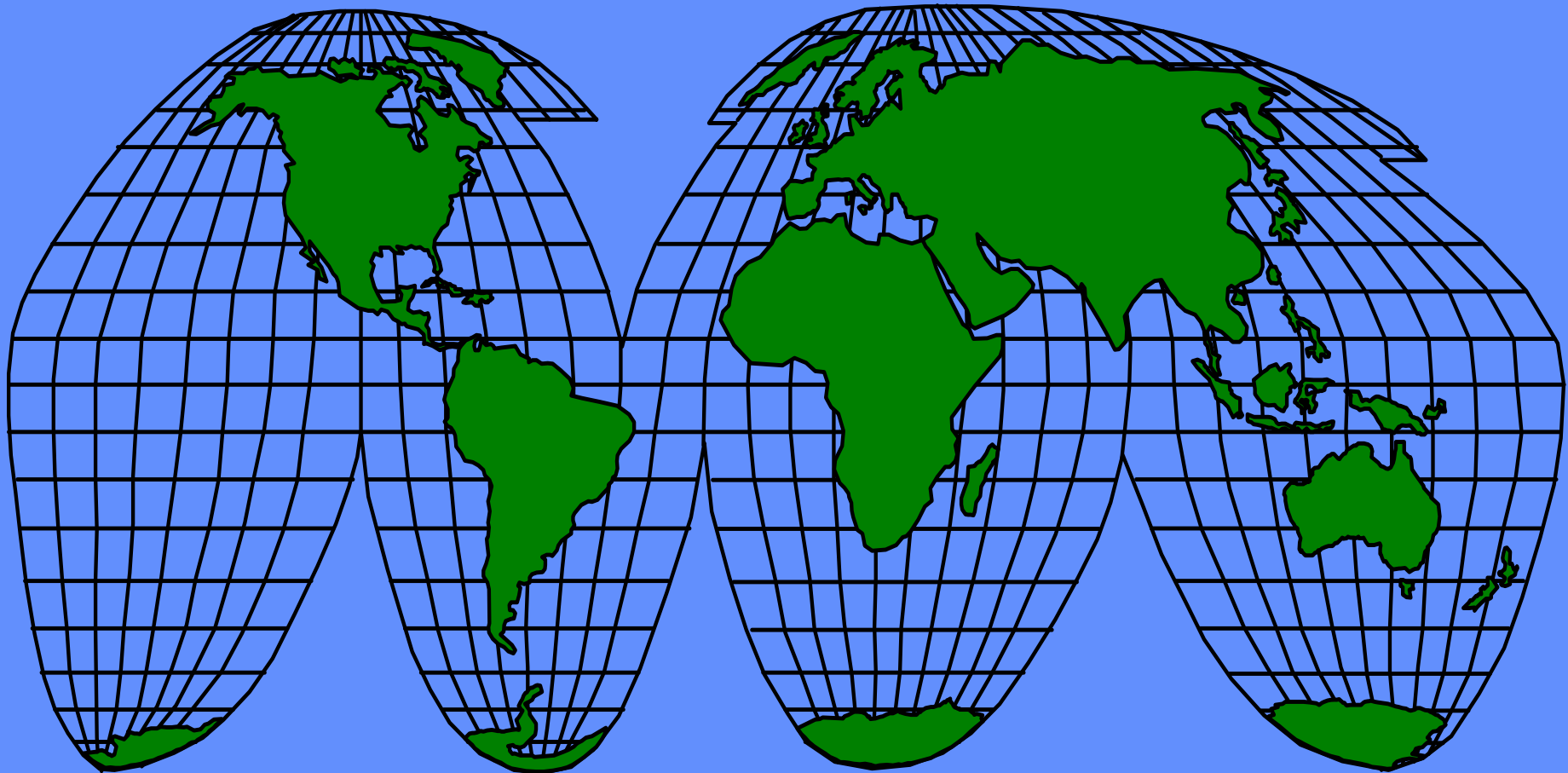
LED TO THE ESTABLISHMENT OF

**ASFA**

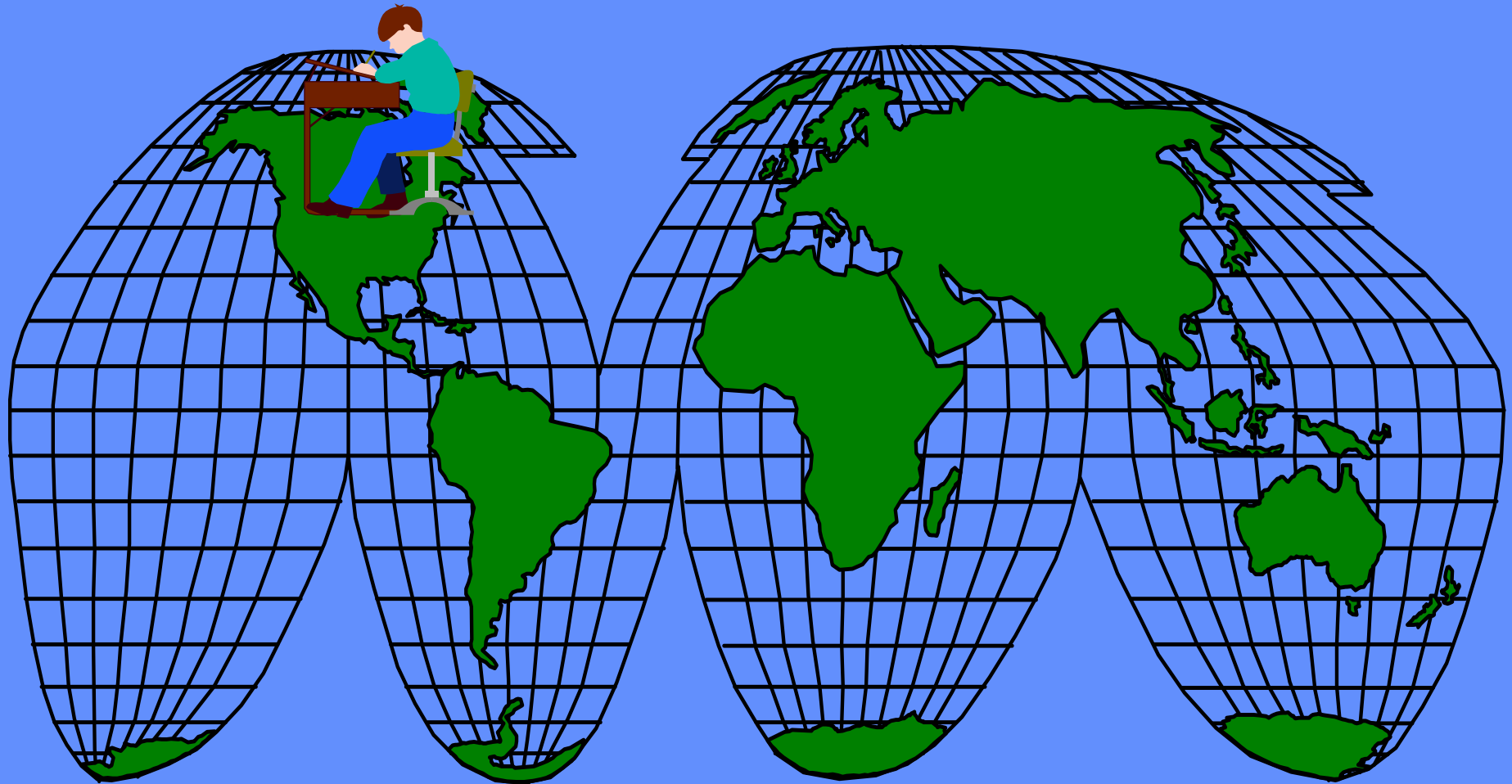
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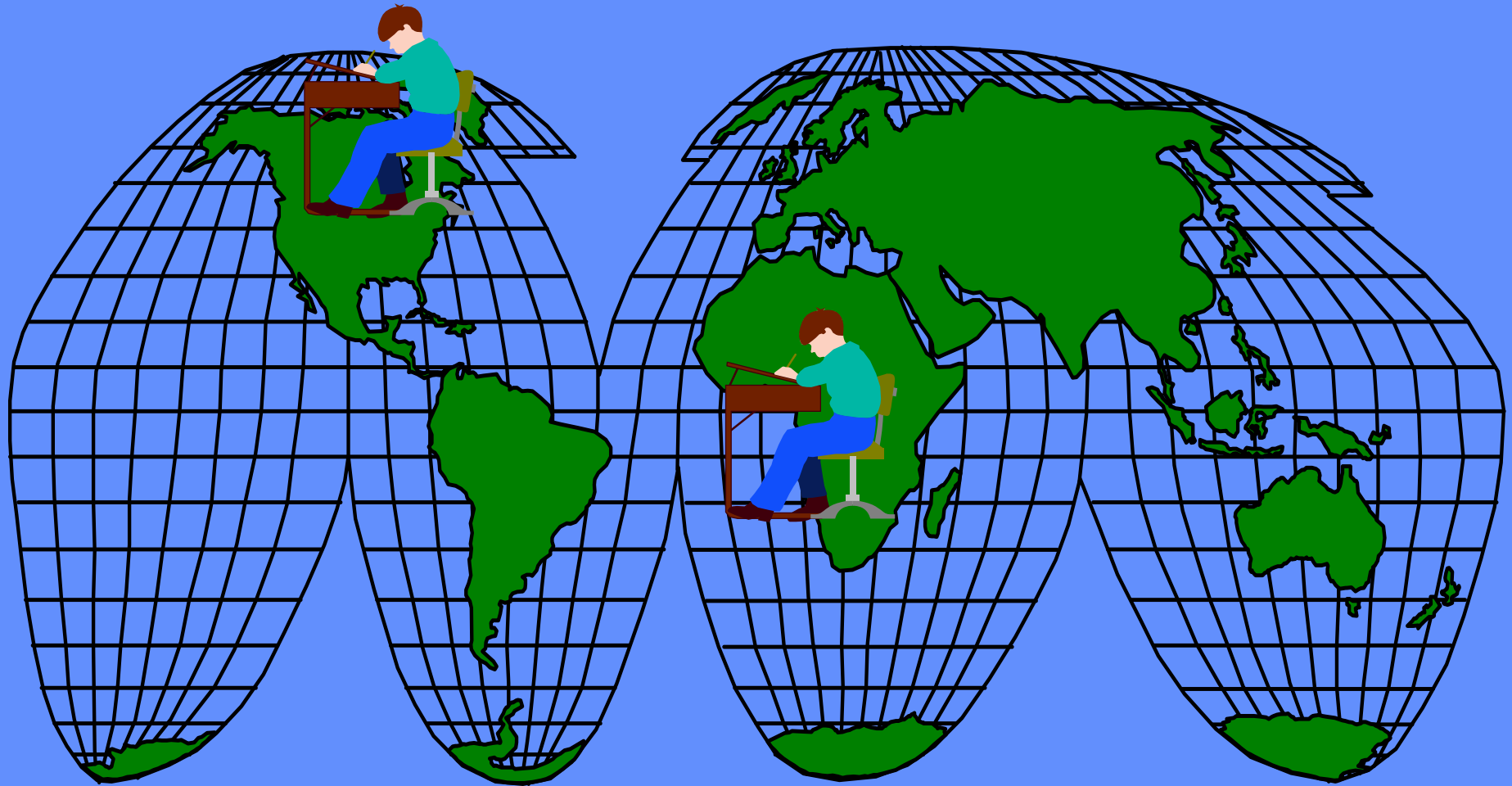
# ASFA IS: AN INTERNATIONAL, COOPERATIVE, INFORMATION SYSTEM



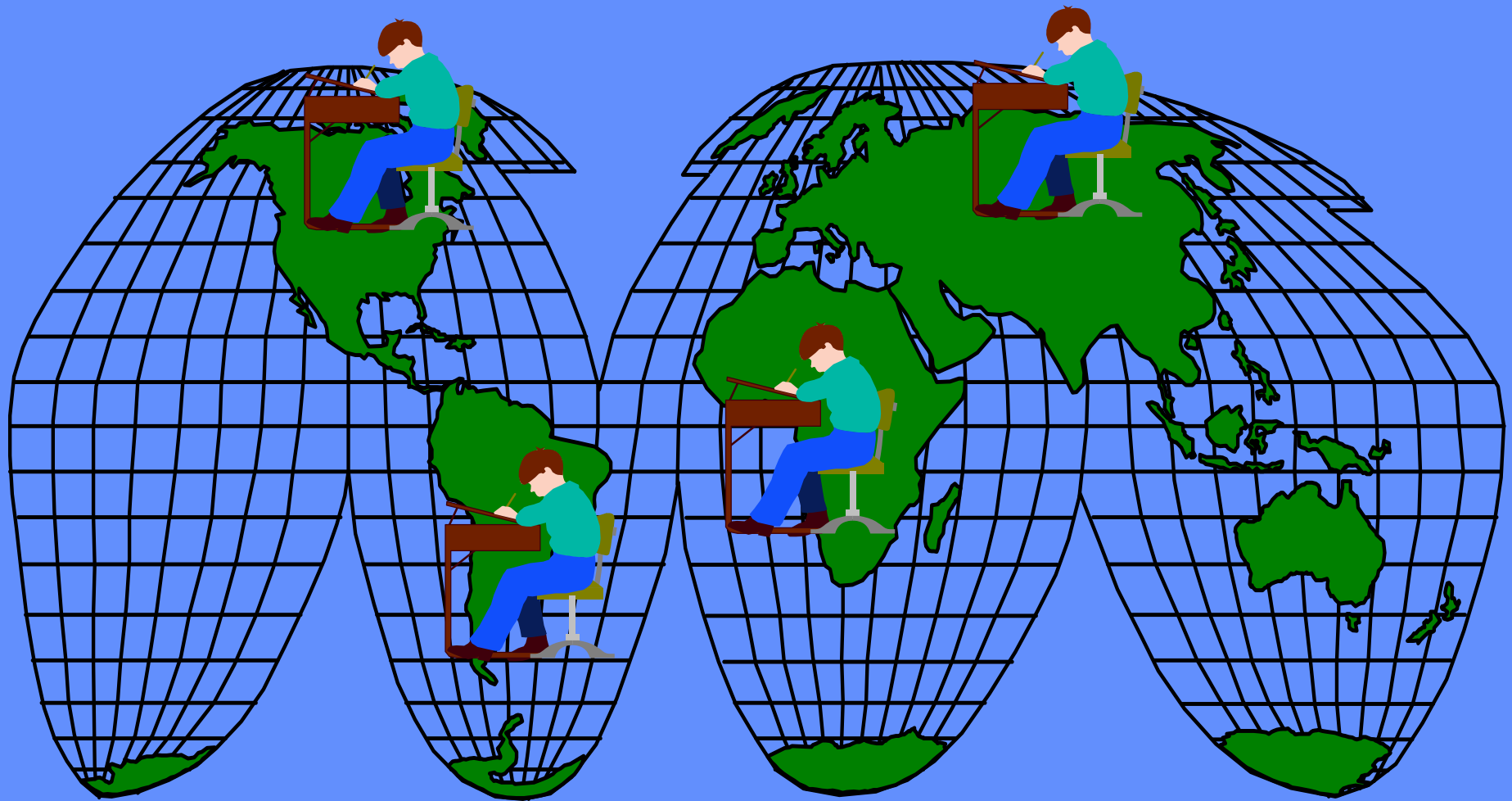
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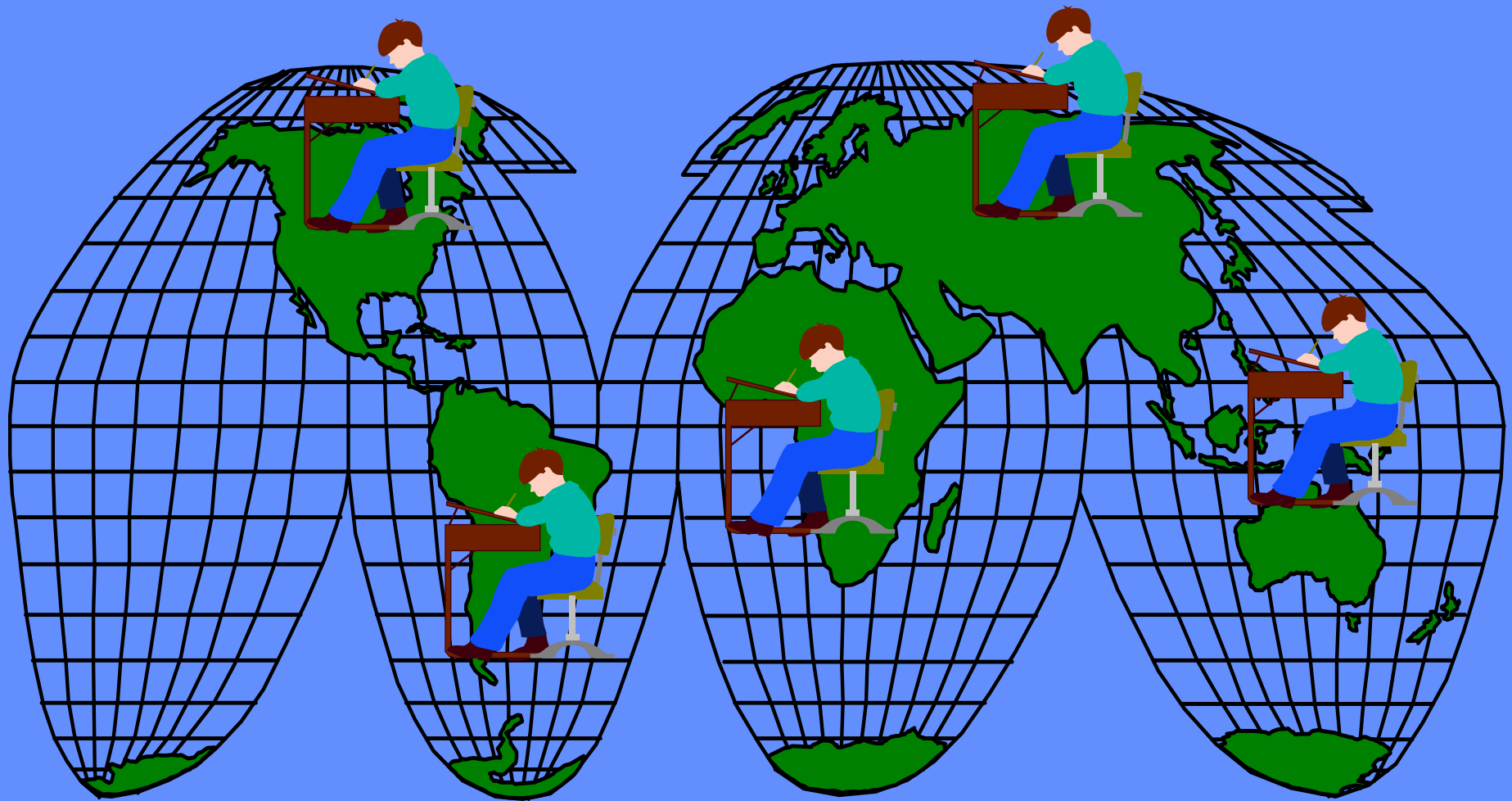
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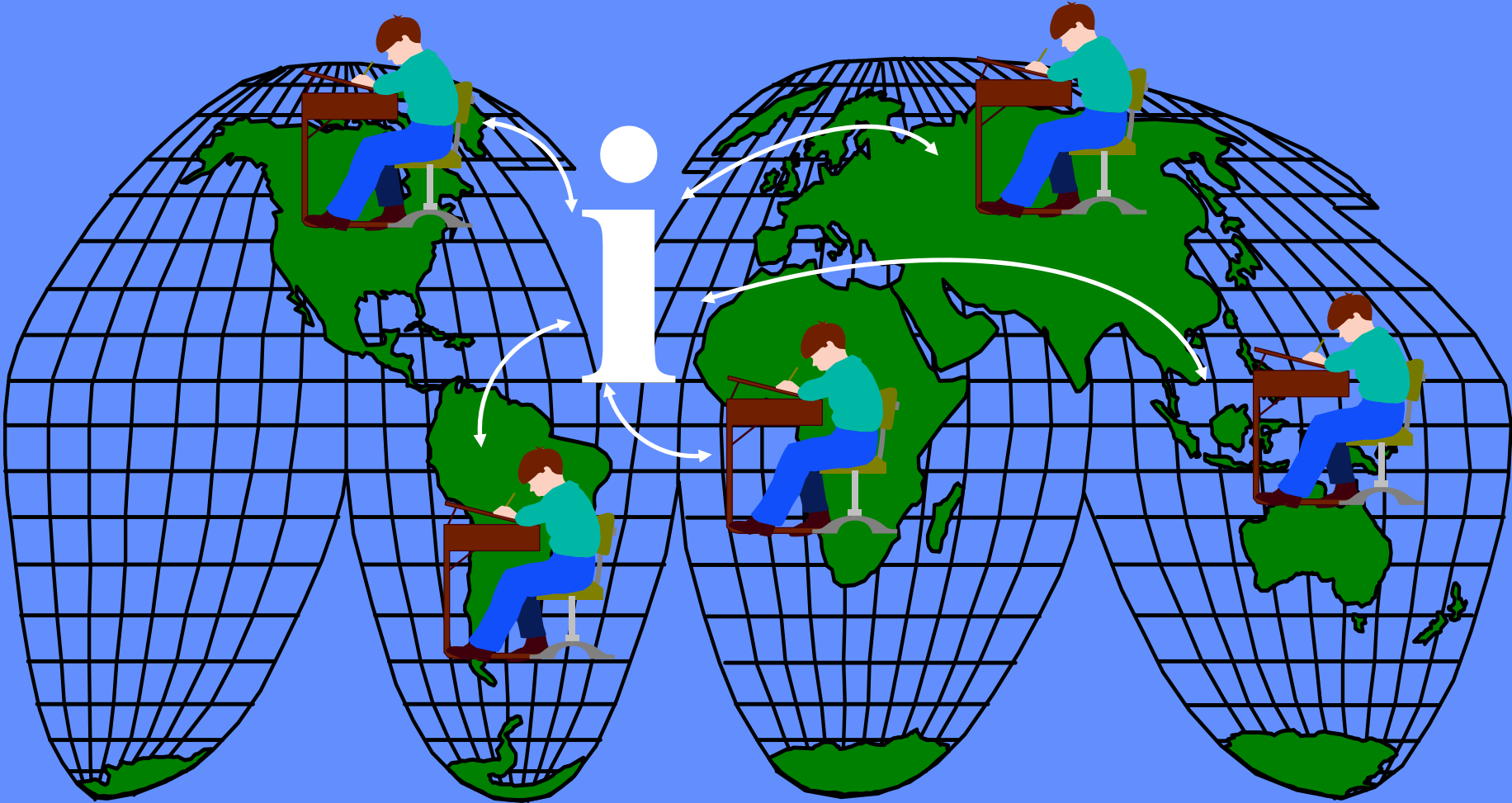
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# SYSTEM



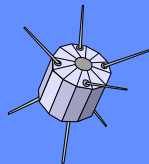
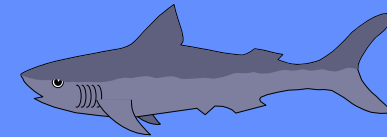
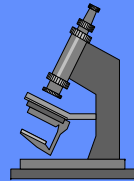
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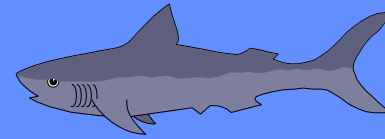
DEALING WITH THE  
**SCIENCE-TECHNOLOGY-MANAGEMENT**  
OF  
MARINE AND FRESHWATER ENVIRONMENTS



# THE **SCOPE** OF **ASFA** INCLUDES ALL ASPECTS OF THE **AQUATIC ENVIRONMENT**

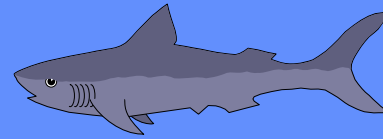


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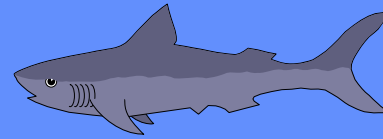


- AQUACULTURE
- POLLUTION
- BIOLOGY
- BIOTECHNOLOGY
- NON-LIVING RESOURCES
- OCEANOGRAPHY
- MANAGEMENT
- CONSERVATION

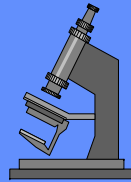
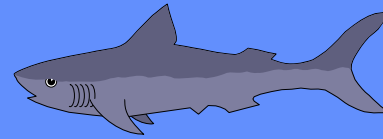
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- **AQUACULTURE**
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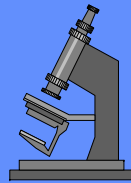
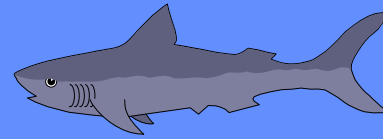
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- AQUACULTURE
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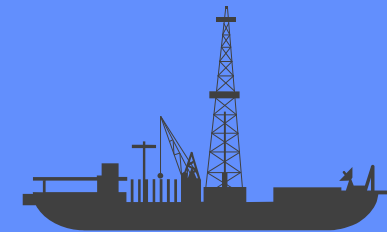
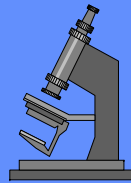
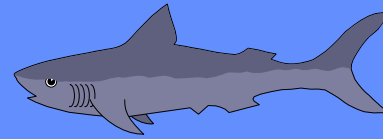
- FISHERIES
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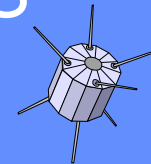
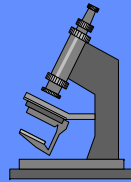
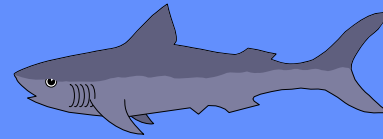
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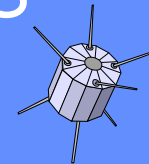
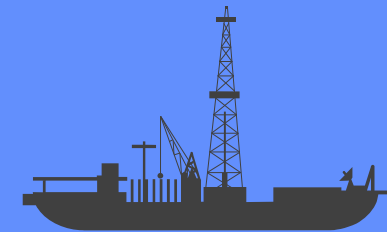
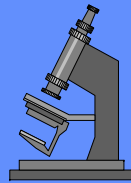
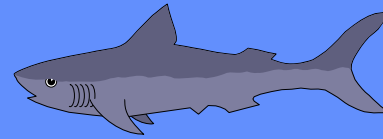
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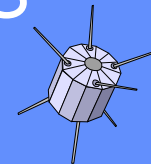
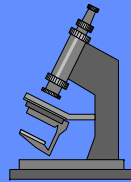
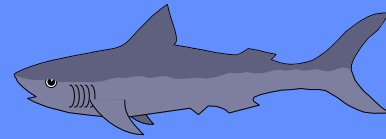


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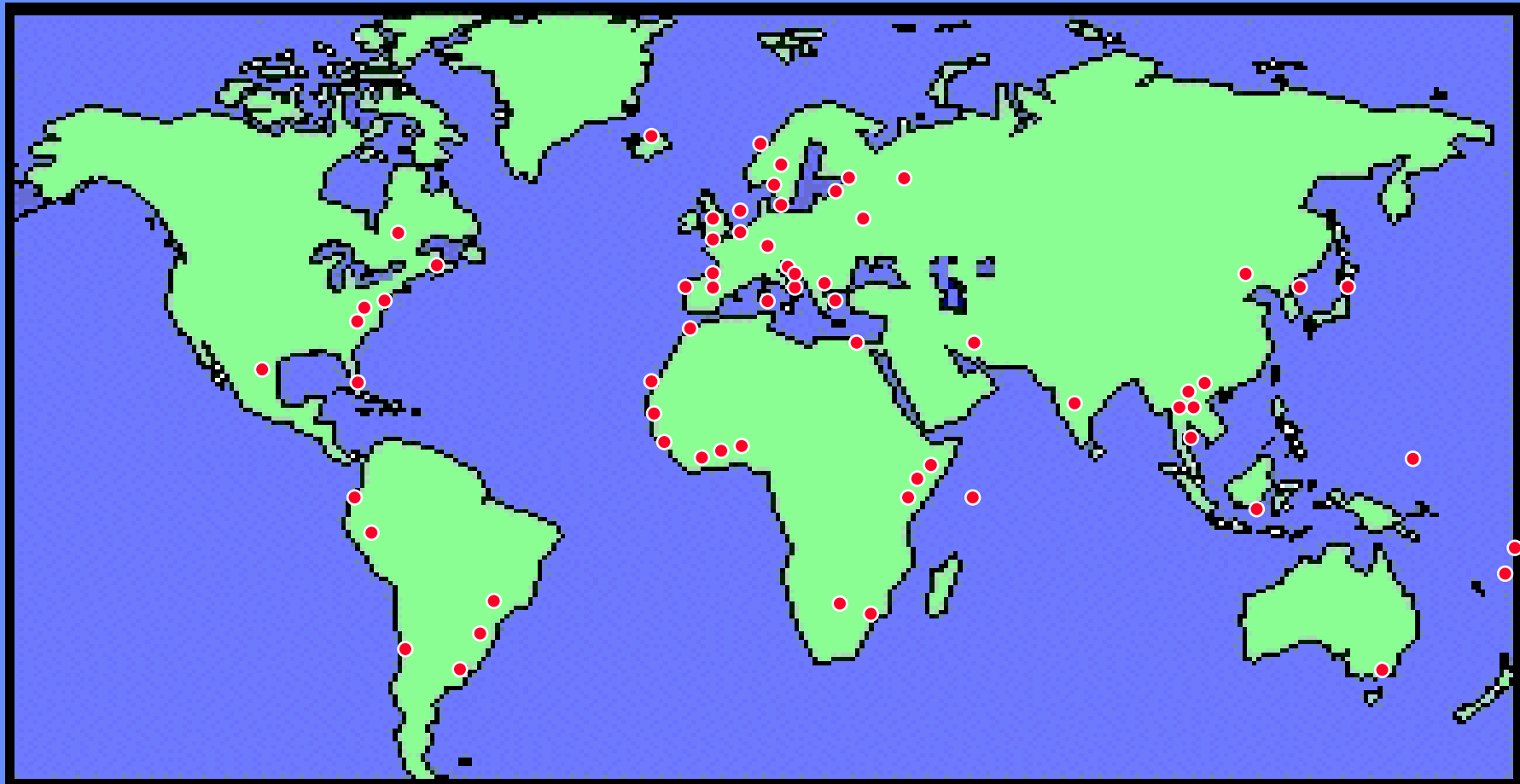


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- FISHERIES
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INTERNATIONAL **COOPERATIVE**  
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# 11 INTERNATIONAL PARTNERS



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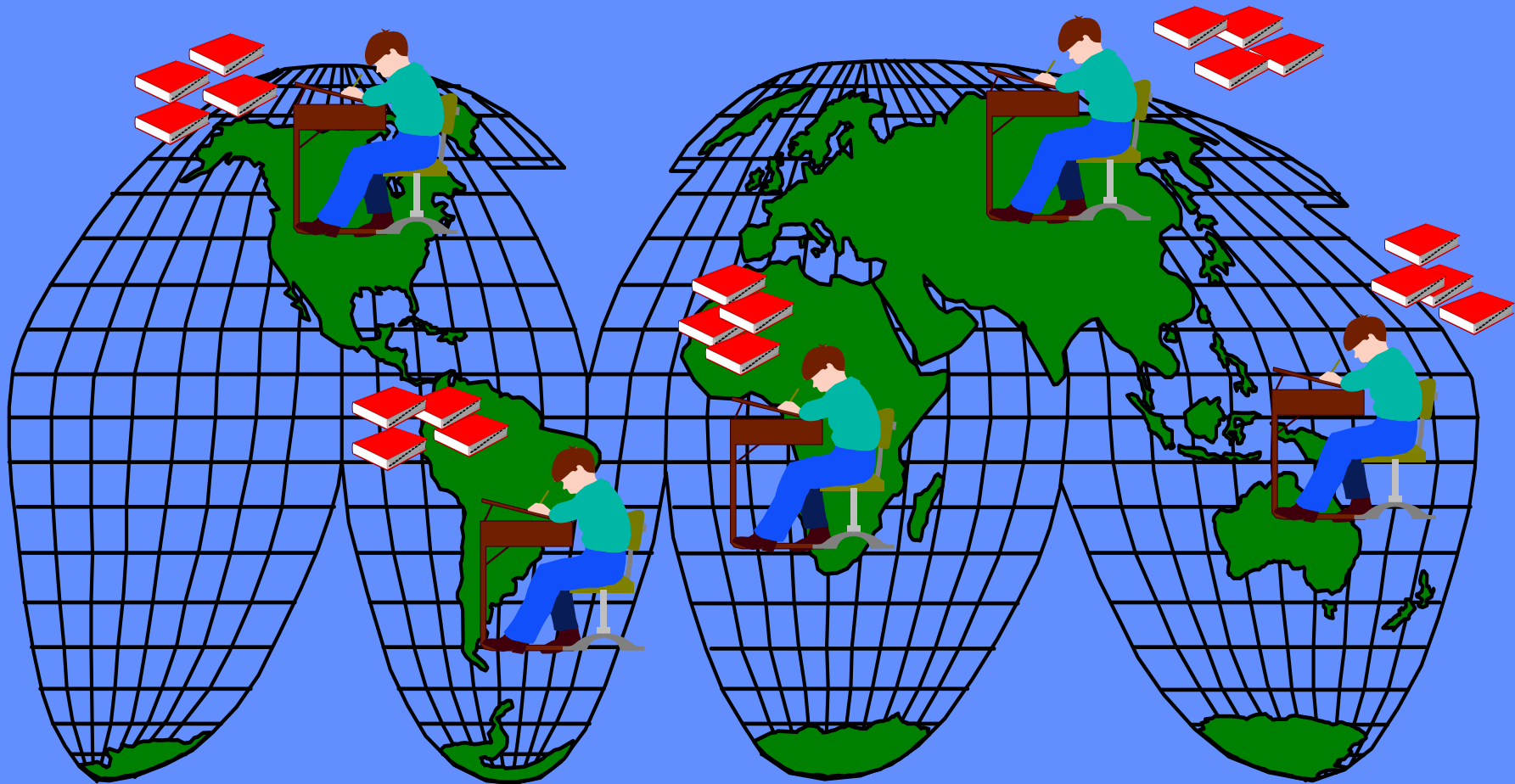
IS THE **SECRETARIAT OF ASFA**





**FAO CO-ORDINATES**  
**THE COLLECTION AND PROCESSING OF**  
**THE INFORMATION BY THE ASFA PARTNERS**

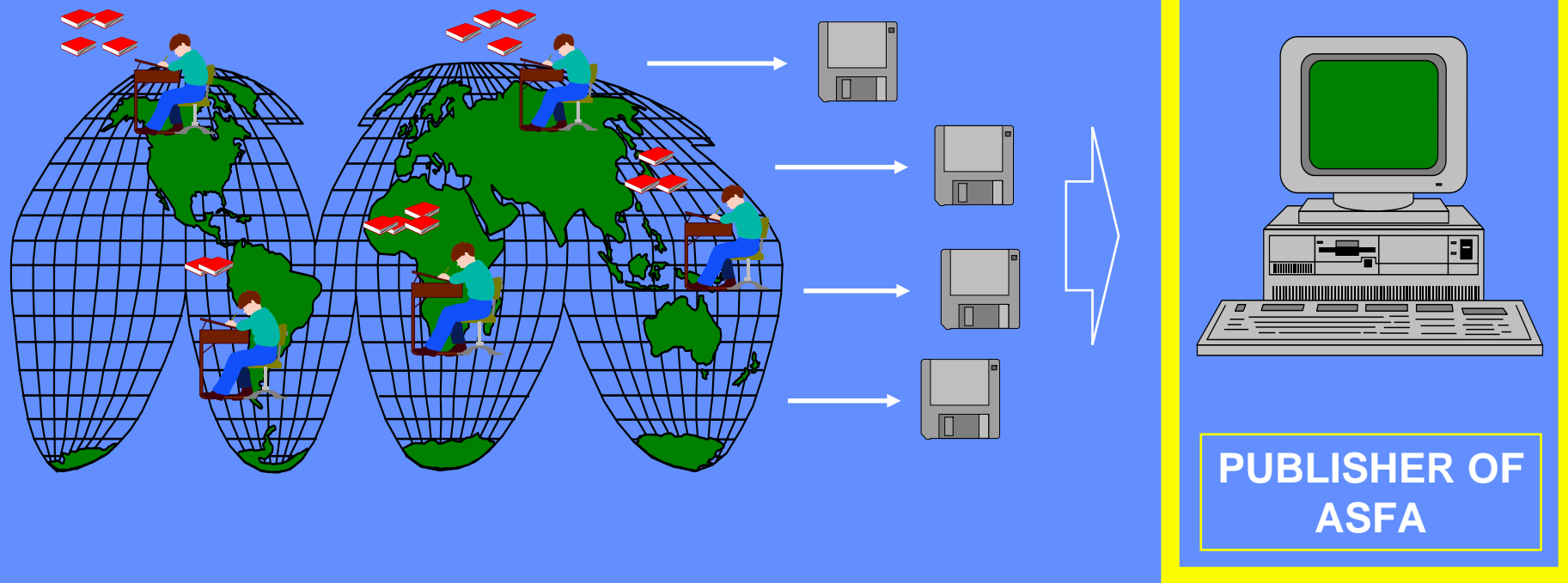
EACH NATIONAL ASFA PARTNER IS  
**RESPONSIBLE** FOR MONITORING **ALL**  
AQUATIC SCIENCE LITERATURE  
PRODUCED IN ITS OWN COUNTRY



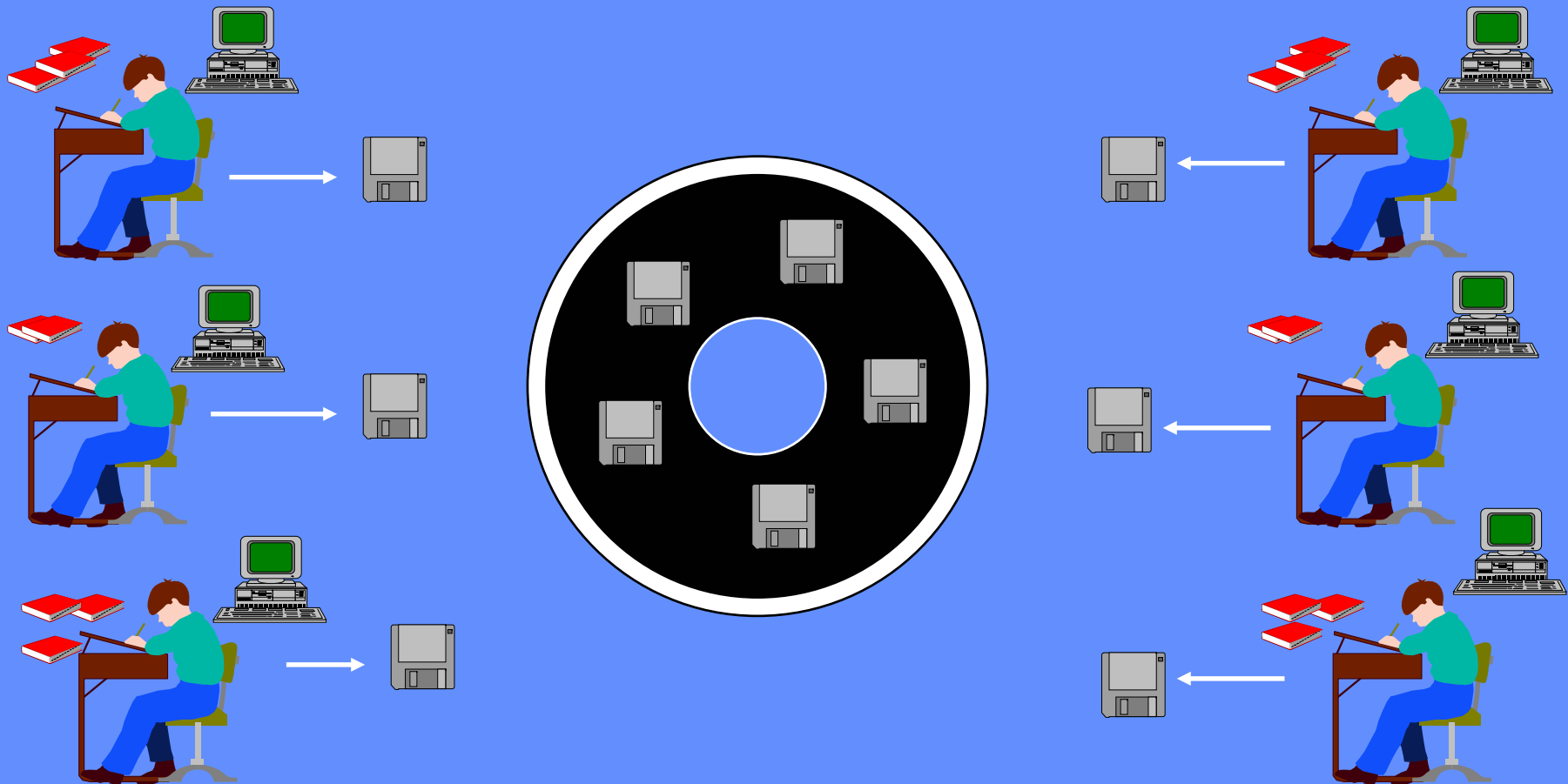
# THE **DECENTRALIZED** NATURE OF INPUT TO ASFA



# THE **COLLECTIVE INPUT** OF THE ASFA PARTNERS IS SENT TO THE ASFA PUBLISHER FOR **CENTRAL PROCESSING**



# THE PUBLISHER MERGES THE INPUT TO CREATE THE **ASFA BIBLIOGRAPHIC DATABASE**



# THE ASFA DATABASE CONTAINS

- **Approx. 1.2 Million** BIBLIOGRAPHIC REFERENCES (ACCESSIONED SINCE 1971)
  - **All references** are Computer Searchable
  - **3,500** New References are added Monthly

# EXAMPLE OF AN ASFA REFERENCE

**Genetic management of wild fish populations.**



**TITLE (ENGLISH LANGUAGE)**

*Gestion genetique des populations naturelles de poissons*

Conseil Superieur de la Peche, Paris (France)

BULL.-FR.-PECHE-PISCIC. 1989. no. 314, pp. 95-169

ISSN 0767-2861

1989

French

English; French

J (Journal-Article)

F (Freshwater)

This issue is devoted to fish population genetics: biological concept of fish and methods related to the description of the genetic diversity of a species; genetics of quantitative characters, analysis methods and potential of utilization; genetic diversity in brown trout; genetic management of natural populations (brown trout); genetic aspects of reared populations foundation for stocking operations.

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Aquaculture:-**Fish-culture-1582;**

Population-Studies:-**Population-genetics-1443**

**ASFA --1:-Biological-Sciences-and-Living-Resources (Q1); ASFA-**

**Aquaculture-Abstracts (Q3)**

IF9000298

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BULL.-FR.-PECHE-PISCIC. 1989. no. 314, pp. 95-169

ISSN 0767-2861

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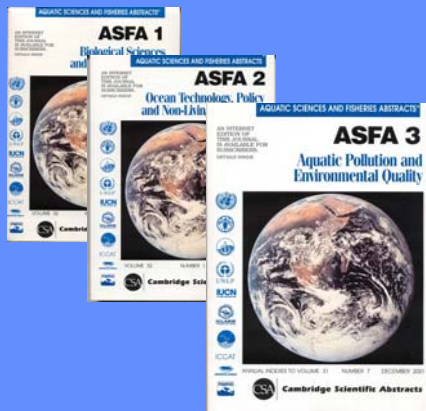
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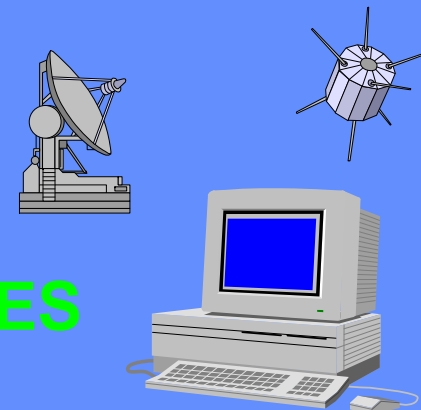


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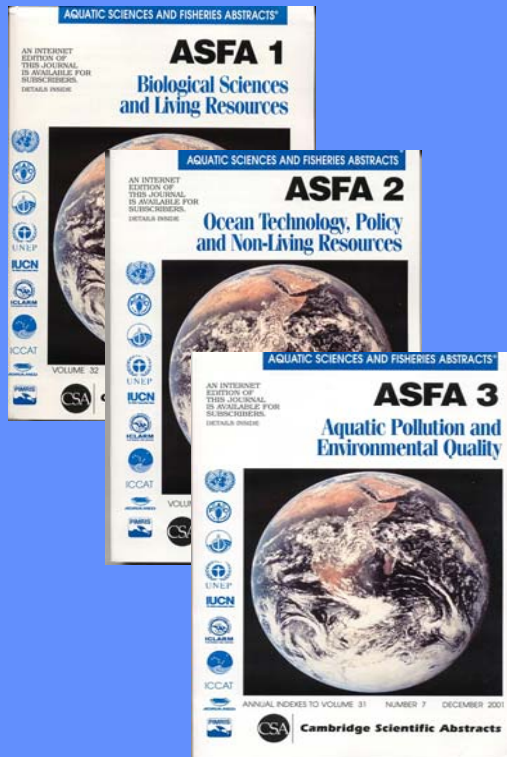
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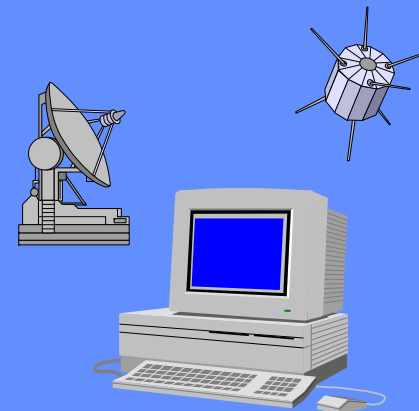


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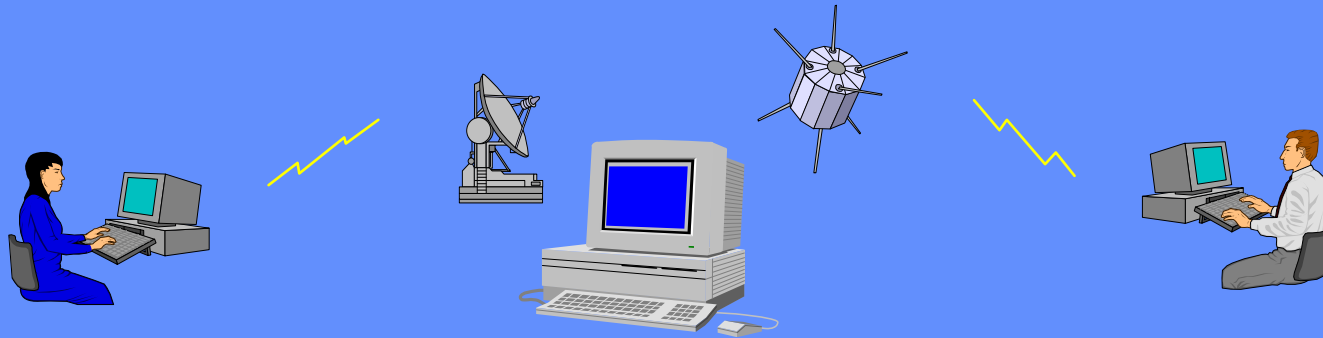
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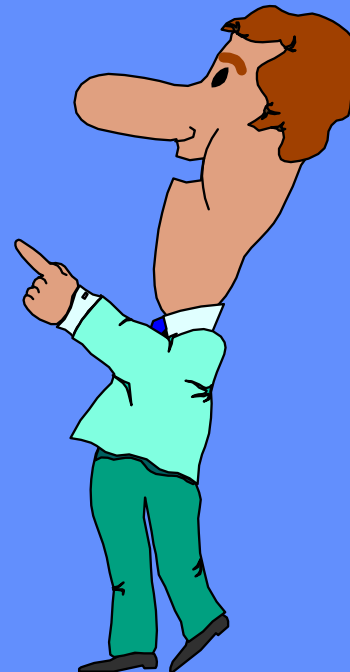
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- National Research Council (Canada) – internal use only
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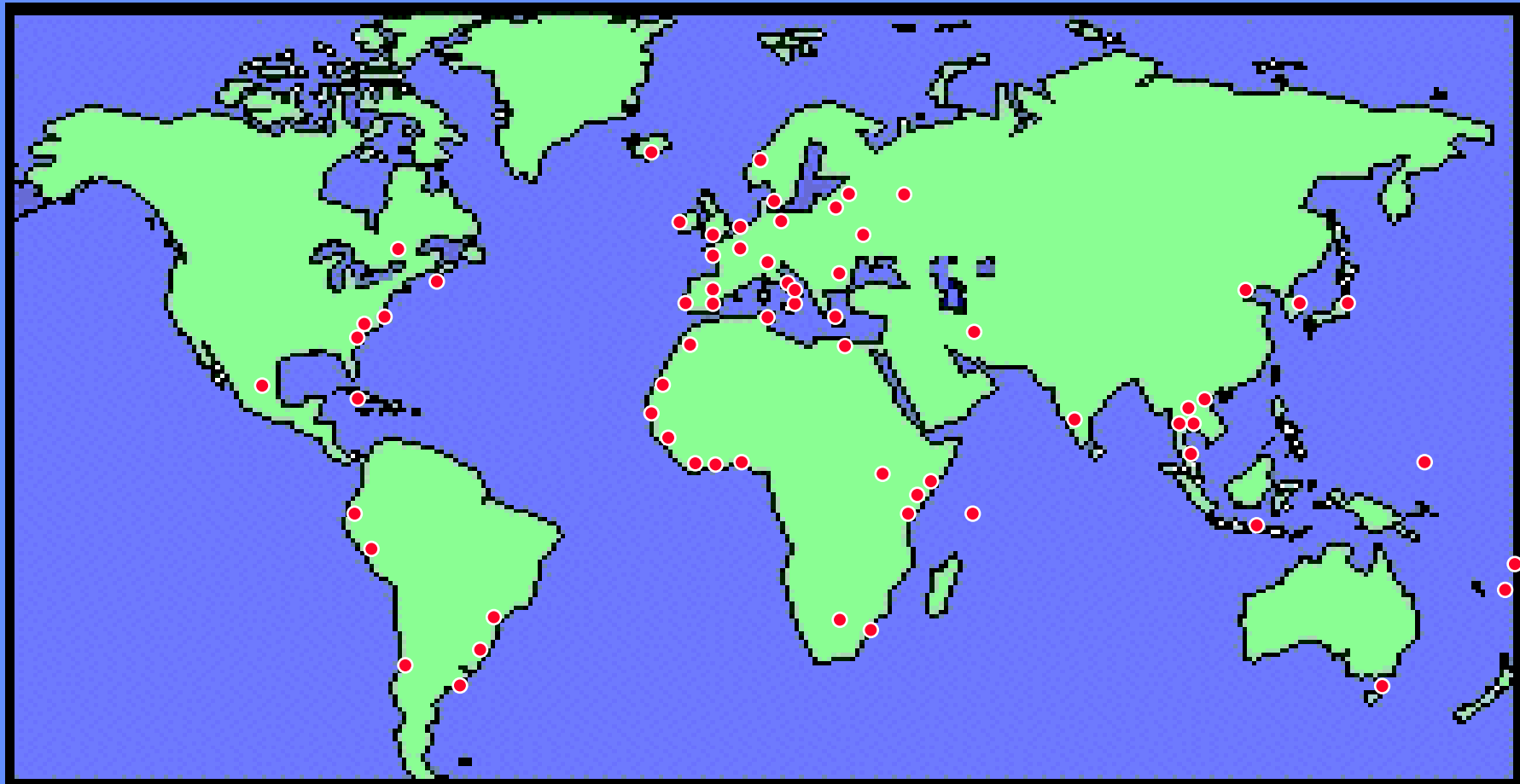
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- **INCREASED ACCESS TO ASFA**
- **IMPROVEMENT OF THE COVERAGE,  
ACCURACY AND TIMELINESS OF ASFA**

# TO KNOW **MORE** ABOUT ASFA ?

## THE CONTACT POINTS IN FAO ARE:

- Richard Grainger (Chief, FIPS)
- Richard Pepe (Fishery Information Officer)

Food and Agriculture Organization of the  
United Nations (FAO)

Fisheries and Aquaculture Department

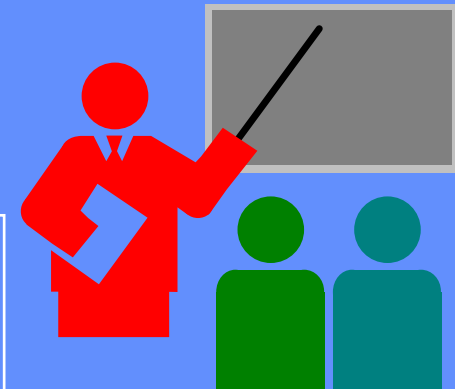
Via Delle Terme Di Caracalla

00153 Rome, Italy

tel.: (+39) (06) 570 54828 / fax: (+39) (06) 570 52476

e-mail: richard grainger@fao.org / richard pepe@fao.org

**URL:** <http://www.fao.org/fi/asfa/asfa.asp>



# ASFA

## AQUATIC SCIENCES AND FISHERIES ABSTRACTS

**FISHERIES AND AQUACULTURE  
STATISTICS AND INFORMATION SERVICE  
FISHERIES AND AQUACULTURE DEPARTMENT  
FOOD AND AGRICULTURE ORGANIZATION OF THE UN**

**PRESENTATION BY:  
RICHARD PEPE  
FISHERY INFORMATION OFFICER  
(Editor-in-Chief of ASFA)**

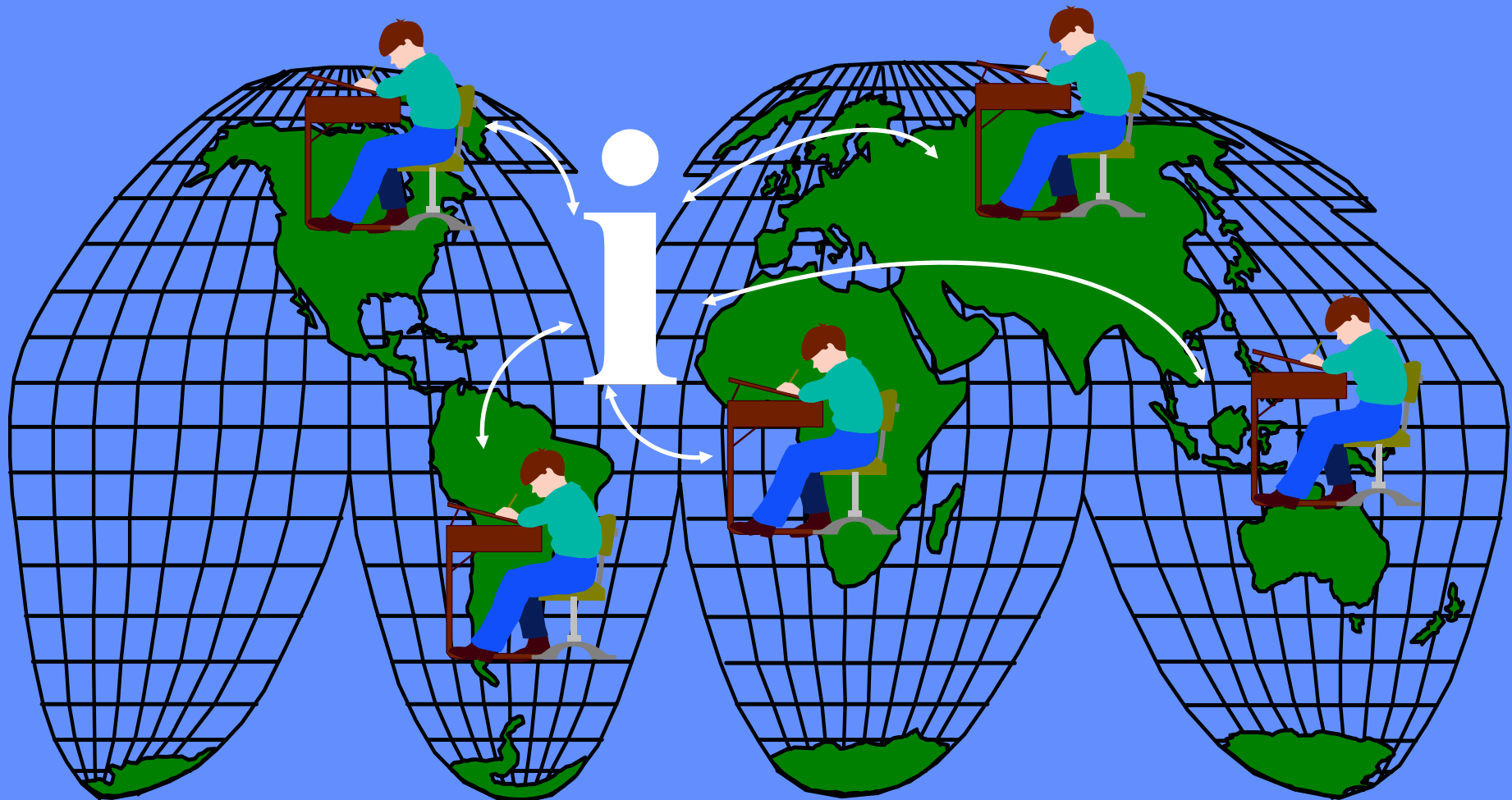
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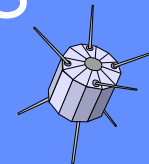
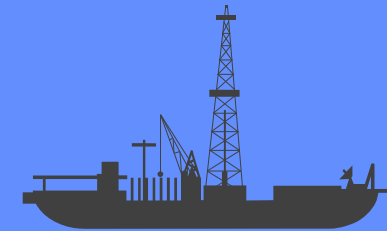
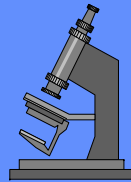
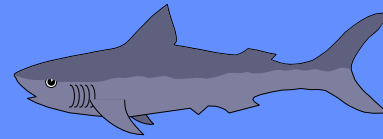
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# THE **SCOPE OF ASFA** INCLUDES ALL ASPECTS OF THE **AQUATIC ENVIRONMENT**

- FISHERIES
- AQUACULTURE
- POLLUTION
- BIOLOGY
- BIOTECHNOLOGY
- NON-LIVING RESOURCES
- OCEANOGRAPHY
- CONSERVATION
- MANAGEMENT



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FAO CO-ORDINATES  
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**FAO PROVIDES THE SECRETARIAT**

Why is FAO involved with ASFA ?



# The answer is in the FAO Constitution

## **A. CONSTITUTION**

### **Article I**

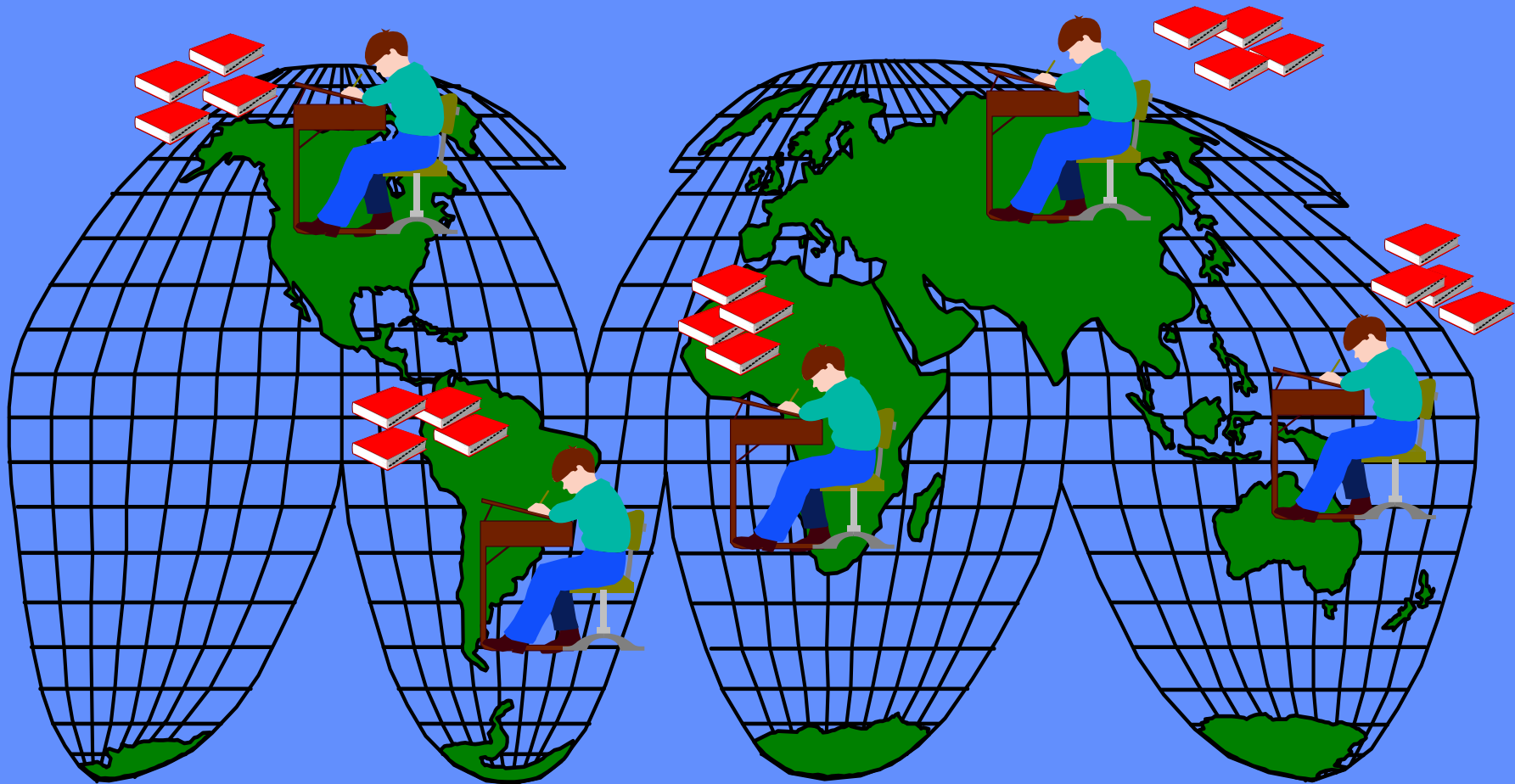
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1. The Organization shall collect, analyse, interpret and disseminate information relating to nutrition, food and agriculture. In this Constitution, the term agriculture and its derivatives include fisheries, marine products, forestry and primary products.

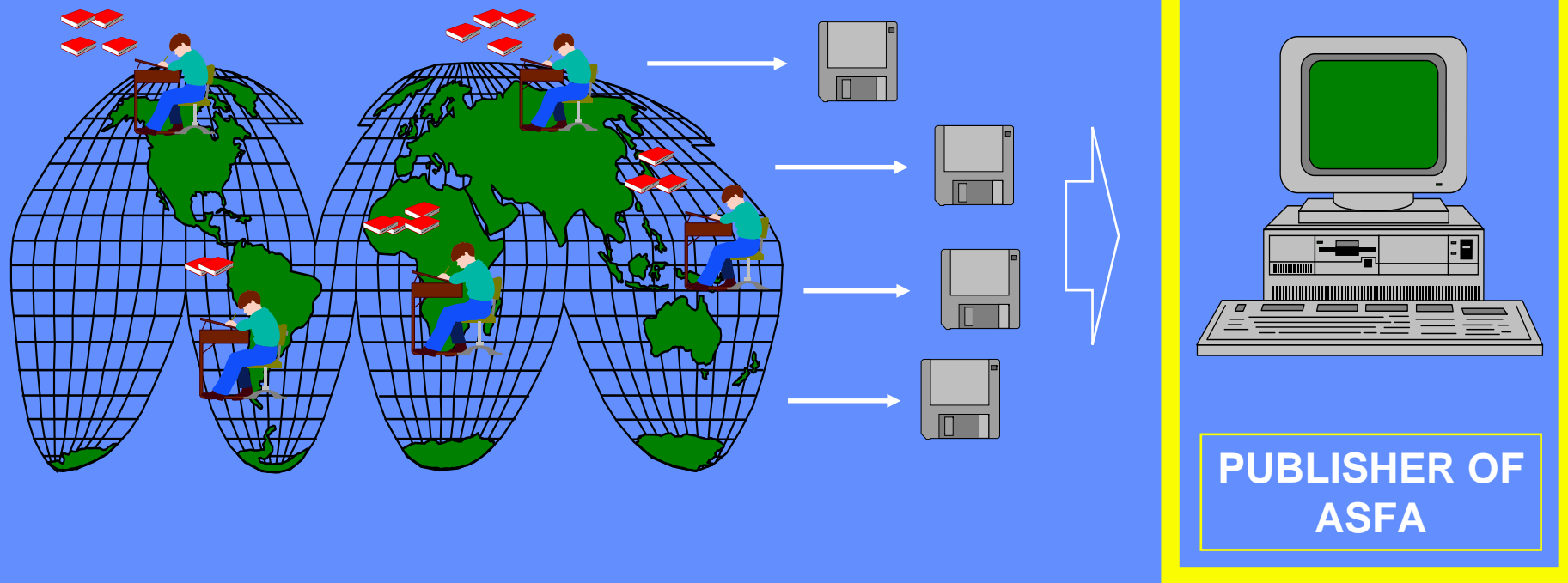
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Basic Texts  
of the  
Food and Agriculture Organization of the United Nations  
Volume I and II – 1994 edition

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# Bibliographic Reference

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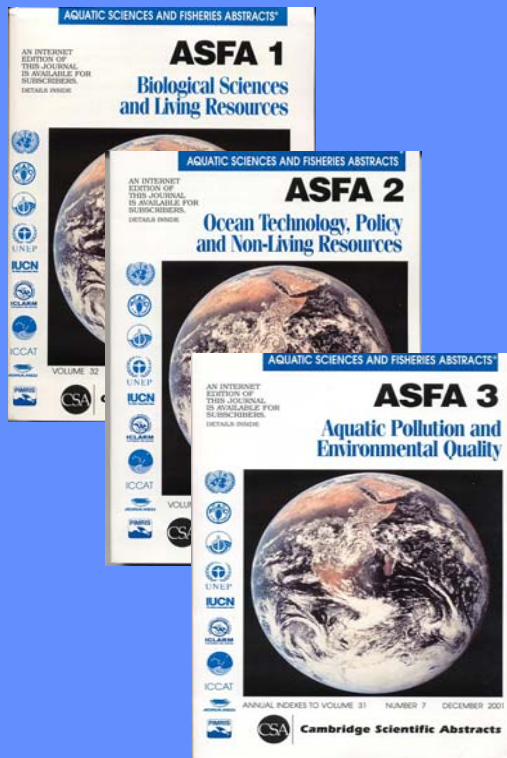
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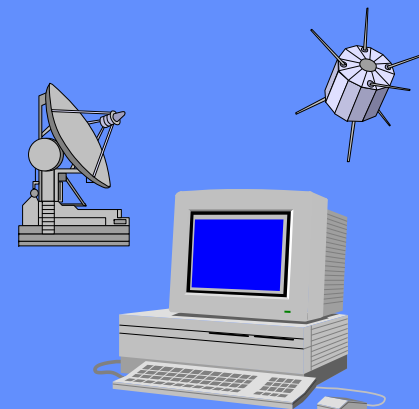


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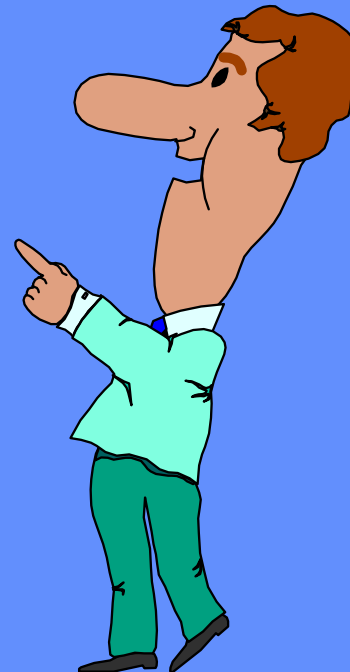
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