

**Amended Annex 2 to the Partnership Arrangement between the  
Northwest Atlantic Fisheries Organization and the  
Food and Agriculture Organization of the United Nations  
(representing the FIGIS-FIRMS Partnership)**

***1. Data and statistical information***

**The following applies to the stocks managed by NAFO** (Table 1 provides a list of stocks and fisheries managed by NAFO.)

**Scope of information to be contributed**

NAFO is mandated by its Contracting Parties to provide scientific advice and implement management measures for the NAFO Regulatory Area in the Northwest Atlantic (defined by the NAFO Convention). NAFO will contribute to FIGIS/FIRMS information on stocks for which it provides management advice as provided by NAFO Scientific Council to the NAFO Fisheries Commission. NAFO will also contribute information relating to fisheries taking place in the NAFO Regulatory Area.

**Types of information to be contributed:**

- **Reports:** NAFO Scientific Council Summary Sheets containing information on stock status, assessments and management advice for NAFO managed fish stocks (see Table 1) will be made available for upload to FIGIS. Links to supporting scientific documents, such as stock assessment documents, will be provided.
- **Data:** Catch and fishing effort data will be provided at public domain resolution as determined under the policies of NAFO. These data will be available for use by FIGIS in development of summary plots and statistics elsewhere presented within the FIGIS system.
- **Biology, ecology, fisheries, and other information:** Summary information from research and investigations specific to stocks and resources managed by NAFO will be provided in the form of links to reports available on the NAFO website.
- **Fishery Regulation and Management Measures:** Information on regulation and management of fisheries in the NAFO Regulatory Area will be included on FIGIS with links to relevant sections of the NAFO Conservation and Enforcement Measures and Fisheries Commission reports maintained on the NAFO website.

**Documentation and Standards to be used in this Partnership Agreement**

Sources of information will be documented, and links to electronic versions of source material will be provided when available. A link to the NAFO website will be provided for detailed information not suitable for posting to FIGIS. The information to be contributed will conform to NAFO policy guidelines for confidentiality and information release and to the Information Management Policy established by the FIRMS Steering Committee.

***2. Metadata and information management***

**Methods of collection and processing:** Details of the NAFO data collection and compilation are provided in the various Scientific Council reports, studies, and documents accessible on the NAFO website. NAFO management measures can be found in the NAFO Conservation and Enforcement Measures (NCEM), updated annually and available on the NAFO website

**Bibliographical sources:** Bibliographical sources for the NAFO reports are listed in the stock summary sheets, the Scientific Council Summary Documents, Fisheries Commission reports and NCEM. Most of the bibliographical source documents are stored on the NAFO website. From the FIGIS fact sheets, links will point to the relevant NAFO source documents.

**Ownership and responsibilities:** The information contributed to FIRMS resides under the full ownership and responsibility of NAFO. Therefore, the ownership presented as header of each stock fact sheet will clearly include "Northwest Atlantic Fisheries Organization" or its acronym "NAFO" as the organization and data owner institutional entity. The acronym for the Commission used throughout FIGIS-FIRMS will be "NAFO". Further, NAFO will be owner of all descriptions of itself, and all text outlining its responsibilities and accomplishments, wherever presented by pages linked to or referenced by FIGIS-FIRMS, including pages developed by other organizations or entities within such as UN/FAO/FIRMS. This shall be accomplished by establishment of appropriate editorial and ownership security privileges within FIGIS-FIRMS. In cases where an item has joint ownership, all entities shall show a clear indication of ownership on fact sheets.

**Transmission protocols and dissemination channels:** The NAFO Scientific Council Reports and the NAFO Conservation and Enforcement Measures which serve as background documentation for information published on FIGIS-FIRMS will be published on the NAFO web site. Links to these reports and relevant texts will be added in various topics of the FIGIS-FIRMS fact sheets under NAFO ownership using a combination of the tools offered by the system (XML editing uploading – on-line editing). Transmission schedule is planned to be within three months following publication by NAFO of its reports on the NAFO website.

### 3. Data and information security

All contributions from NAFO will be on the public domain. Transparency of the information and results on status and trends of stocks and resources presented by NAFO are documented in the course of the scientific peer-review process followed to obtain the results, and the various meetings of the NAFO at which the results, and various options for management and resource conservation, are presented and discussed. Details on these meetings and processes are available at the NAFO website.

### 4. Collaborative institutions

NAFO works closely together with numerous institutions both national and international on promoting marine science in the North Atlantic.

### 5. Additional entitlements

NAFO staff and NAFO participants will be entitled to participate in workshops or special courses organized by the FIRMS Secretariat (FAO) in the use of electronic publishing tools used in the FIRMS-FIGIS. When required, this Annex may be revised by mutual consent.

TABLE 1. Fish stocks and high seas fisheries managed by NAFO. Information on additional stocks may be provided on a year-to-year basis

(+ is full assessment year, i is interim monitor, - no assessment undertaken or currently planned). The i (+) is a specially requested full assessment instead of a planned interim monitoring.

Stock	Frequency (pre-2006)	Frequency (from 2006)	2010	2011	2012	2013	2014
NAFO Flemish Cap groundfish fisheries							
Cod in Div. 3M	2	2	+	i (+)	+	i	+
Redfish in Div. 3M	2	2	i	+	i	+	i
American plaice in Div. 3M	2	3	i	+	i	i	+
Greenland halibut in SA 2 + Div. 3KLMNO*	1	1	+	+	+	+	+

NAFO Grand Bank groundfish fisheries							
Cod in Div. 3NO	2	3	+	i	i	+	i
Redfish in Div. 3LN	2	2	+	i	+	i	+
Redfish in Div. 3O	2	3	+	i	i	+	i
American plaice in Div. 3LNO	2	2	i (+)	+	i	+	i
Witch flounder in Div. 2J + 3KL	2	3	+	i	i	+	i
Witch flounder in Div. 3NO	2	3	i	+	i	i	+
Greenland halibut in SA 2 + Div. 3KLMNO*	1	1	+	+	+	+	+
Yellowtail flounder in Div. 3LNO	2	2	i	+	i	+	i
Squid ( <i>Illex</i> ) in SA 3+4	2	3	+	i	i	+	i
Capelin in Div. 3NO	2	2	i	+	i	+	i
Thorny skate in Div. 3LNOPs	2	2	+	i	+	i	+
White hake in Div. 3NOPs	2	2	i	+	i	+	i
NAFO shrimp fisheries							
Northern shrimp in Div. 3M	1	1	+	+	+	+	+
Northern shrimp in Div. 3LNO	1	1	+	+	+	+	+
NAFO pelagic fisheries							
Oceanic redfish (not assessed by NAFO)							

\* The Greenland halibut fishery takes place over both the Flemish Cap and the Grand Bank