



JRC SCIENTIFIC AND POLICY REPORTS

# Swedish COBECOS Pilot Study

## D1. Description of enforcement variables

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(Sweden)

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## Deliverable 1

Project Responsible: Jenny Nord

21/11/2012

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## Preface

According to the Swedish COBECOS pilot study contractual obligations, a report on providing a thorough description of enforcement variables for the specific COEBCOS fisheries in the form of tabulated data, should be made available as a deliverable (D1) in month 9. The following report and data tables constitute the fulfilment of this obligation.

Gothenburg 21 November 2012

For the contractor in the Swedish COBECOS Pilot Study,

*Jenny Nord and Malin Hultgren*



## 1. Background

This report describes the data submitted to JRC in Excel files. The data concerns the two Swedish fisheries *COBECOS 1 W* referring to demersal trawlers on the west coast and *COBECOS 2 E* referring to cod trawlers in the Baltic Sea. In addition, in order to provide the full picture of Swedish fisheries some descriptive data of the entire Swedish fishing fleet have been submitted.

## 2. Definitions

### Fisheries

The fisheries have been defined based on the gear types included in the management plans for cod (Council Regulation (EC) No 1098/2007 and 1342/2008).

Gear code	Gear name	Gear number (≥ 90 mm)	COBECOS 1 W (ICES IIIa, IV)	COBECOS 1 E (ICES IIIbcd)
SDN	Danish seiners	221	1	1
OTB	Otter trawl bottom	300	1	
OTB	Otter trawl bottom	309	1	
OTB	Otter trawl bottom	310	1	
OTB	Otter trawl bottom	312	1	1
OTB	Otter trawl bottom	319	1	1
PTB	Pair trawl bottom	320	1	1
OTB	Otter trawl bottom	330	1	1
OTB	Otter trawl bottom	331	1	
OTB	Otter trawl bottom	332	1	
OTB	Otter trawl bottom	333	1	
PTB	Pair trawl bottom	334	1	
OTM	Otter trawl midwater	323		1
OTM	Otter trawl midwater	324		1

## Enforcement tools

Data on landings and administrative controls are provided. At the planning stage the model was foreseen to also include data on sea going controls. However, during the data collection it became apparent that there were no infringements at sea for the vessels of the two COBECOS segments in the last three years. Hence, sea-going control could not be included in the COBECOS model.

The data concerning landings controls concern Swedish fishing vessels landing in Swedish ports. A large part of the Swedish fleet is landing in Denmark but since we do not have enough information on enforcement activities in Denmark, fishing trips with landings in other countries than Sweden has been excluded.

A landing control is defined as the period between when the inspectors leave and return to the control station. Hence, both costs for travelling as well as for the actual control are included.

Administrative controls are defined as all verification made of incoming logbook sheets.

Administrative controls have been carried out for all fishing trips disregarding the country of landing.

## Infringement types

The vessels of the two segments could commit infringements of more than 20 fisheries rules. In order to ensure more observations per infringement type and to avoid having to estimate a vast number of probability functions the infringements have been group into four categories:

1. Logbook errors
2. Prenotification failures or delays
3. Other administrative sanctions
4. Court cases

## 3. Data

The data is provided in Excel form. In order to facilitate for the navigation of data sets, a data guide has been provided ("Data guide for JRC"). Here type, aggregation level, time period and name of the files are described. In addition, the guide is organised in a way that it becomes clear which data file should be used for each function.

## 4. Further work

Based on the data provided SwAM is currently undertaking efforts to estimate the functions of the COBECOS model. These will be provided to the JRC according to our contractual obligations on the 23 of February 2013.

## 5. Enquiries

Any questions of the data or the on-going work within the project can be addressed to:

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