Chapter 2 – A self-assessment, and a tutorial in Excel*

QUESTIONS ASKED

- Am I aware of the basics of scientific writing required to write an informative report?
- Do I remember the basics of mathematics?
- How do I use statistics to plan and analyze my field or experimental data?
- How to lose the fear of using a spreadsheet?
- How to do basic repetitive calculations?
- How to present figures and reports in scientific style?
- How to efficiently select and summarize sub-groups of data?

BACKGROUND INFORMATION

- A fishery: Torbjordonso – Mackerel fishing in the North Sea

INFORMATION AND SOFTWARE

Chapter 2 of FIΣH IT contains a self-awareness test that takes less than 10 minutes to answer. In this simple and short form, it is a pen-and-paper test that will, hopefully, encourage students to review past knowledge at secondary school or college levels. In the 2nd part an introduction to Excel is made. Although most students claim to be familiar Excel, it is often the case that they are not acquainted with many of its useful capabilities (and limitations) for reporting and research work. It was in this spirit that this short lab was developed. These two sessions are extracts from the sister training package CONΣERV IT 1.0. Additional multimedia material is contained in that package.
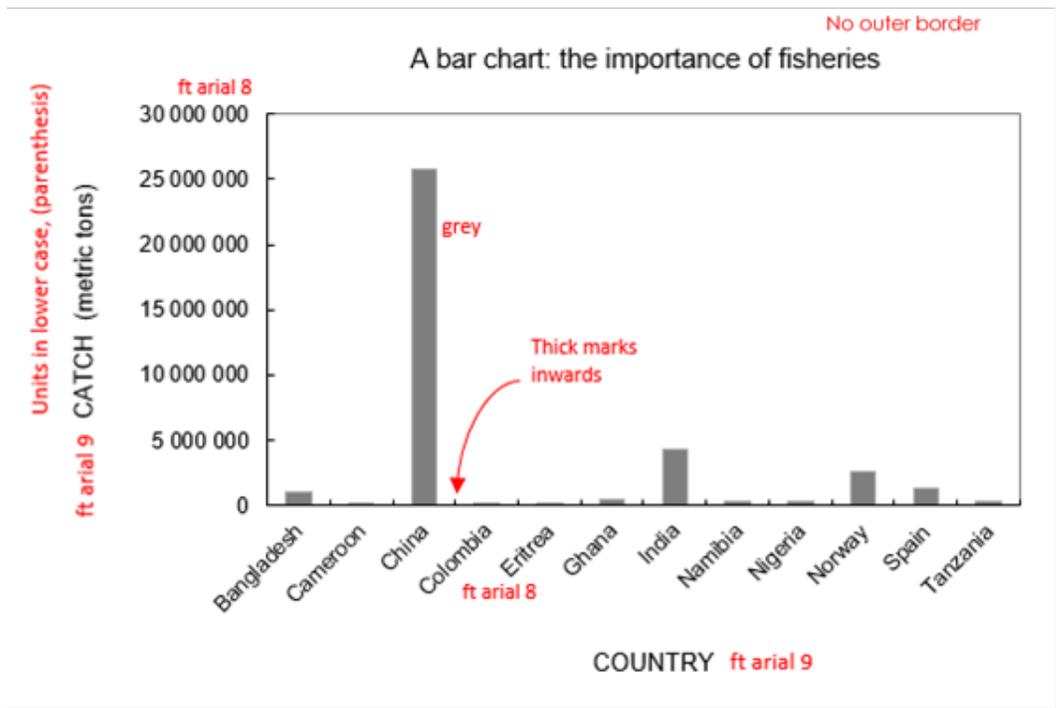
- Ch2a Test yourself

- Ch2b Excel basics JdS.xlsx

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* Santos, J. 2015. FIΣH IT 1.0 – Student Manual: A Training System for Aquatic Resource Managers. *Septentrio Educational 2015(3)*. DOI: http://dx.doi.org/10.7557/se.2015.3 . This work is licensed under a Creative Commons Attribution 4.0 International License.

SNAPSHOTS

Country	Total fish catch (MT)	Population (thousands)	Area km2	% of total catch	Catch pr capita	Catch pr km2
Bangladesh	1 047 170	125 000	144 000			
Cameroon	80 000	15 000	475 000			
China	25 721 740	1 222 000	9 600 000			
Colombia	146 407	37 000	1 140 000			
Eritrea	3 826	3 600	121 000			
Ghana	371 227	18 000	238 000			
India	4 324 235	967 000	3 300 000			
Namibia	285 980	1 700	825 000			
Nigeria	255 499	107 000	924 000			

Absolute reference used

Relative references

A bar chart: the importance of fisheries

No outer border

ft arial 8

Units in lower case, (parenthesis)

ft arial 9 CATCH (metric tons)

grey

Thick marks inwards

COUNTRY ft arial 9

ft arial 8

Figure Guidelines for Authors
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