**List of checks to be implemented for FDI data call**

*The checks should be built using data filtered by country and possibly considering a list of target species*

* Coverage of data by table and year (reporting the number of record)
* Coverage of data by GSA and year (may be this two checks could be merged reporting the number of checks by table, GSA and year)
* Discard coverage in table A (table 2.2.1) for the selected MS by GSAs. Table reporting the landing volumes (with discard >0, =0 and =NK and total landing) by GSA and year
* Coverage comparison of weight of landings between A and H (table 2.2.2) for the selected MS by GSAs
* Coverage comparison of *totfishdays* between G and I (table 2.2.3) for the selected MS by GSAs
* Comparison of any given metric over the time series (user defined, otherwise all the time series will be considered). (The function should produce tables and plots by species, in case a list of species is provided, and aggregated). The function should work ove the following table and metrics:
* Table A. Catch summary
  + Total live weight landed(tonnes)
  + Total value of landings (euro)
  + Total discards(tonnes)
* Table G. Effort summary
  + Total days at sea
  + Total Fishing Days
  + Total kW days at Sea
  + Total GT days at sea
  + Total kW fishing days
  + totgtfishdays
  + Hours at Sea
  + kW hours at sea
* Table J. Capacity and fleet segment effort
  + Total trips
  + Total total kW
  + total GT
  + total vessels
* Using the total weight landings and total value landings fields from table A, an average price per species and year were calculated and compared to the average price calculated per country. (by species)
* Comparison between total weight landings and total value landings: totwghtlandg>0 and totvallandg=0 in table A.
* Comparison between weight landings and effort: totwghtlandg>0 in table A and effort (totfishdays and totseadays) not present or NK in table G.
* Comparison between spatial weight landings in table H and weight landings in table A: totwghtlandg>0 in table H and totwghtlandg not present in table A.
* Comparison between spatial effort in table I and effort in table G: totfishdays>0 in t able I and totfishdays not present or NK in table G.
* In table H and I, verification of the compatibility of the geographical coordinates (latitude and longitude) with the value provided for the rectangle type.
* In tables H and I, identification of incorrect combination of NA values in the spatial columns and identification of data without any sub-region assigned.
* Average length vessels compatibility with the vessel length category (table J)
* Comparison of number of vessels from table J and table G: totves>0 in table G and totves in table J is not present or NK.