TABLE PREP - all case studies one by one

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Luisa M. Mimmi1

1Economics Advisor at Ministry of Economics & Finance (MEF) - G20

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# Set up + colors

Ho schiarito i colori light x word (ma non cambia )

##### —— (load files )

# Load necessary file (prepared in "maintenance\_paper/03\_Maint\_G20cases\_PREP.Rmd")  
load(here::here("maintenance\_paper", "casi.Rdata"))  
casi$has\_resilience <- casi$`has\_resilience (energy efficiency, natural hazard risk et)`  
# Source helper (data cleaning and basic analyses)   
# (if you have more .R files, each will source the previous, then the .Rmd sources the last)   
  
# source("../r\_scripts/helper.R")  
#rmarkdown::render(here::here("maintenance\_paper", "03\_Maint\_G20cases\_PREP.Rmd"))  
  
# create sample   
sample <- sample\_n(casi, 5)

##### —— function to fit FT in Table in Word page

FitFlextableToPage <- function(ft, pgwidth = 7){  
 ft\_out <- ft %>% autofit()  
 ft\_out <- width(ft\_out, width = dim(ft\_out)$widths\*pgwidth /(flextable\_dim(ft\_out)$widths))  
 return(ft\_out)  
 }

# (TABLE CASES AT A GLANCE) - just for exe

Prepare a Table that shows the BASIC (flag, id name, policy, sector)

# TABLE for loop no flag (long)

<https://epirhandbook.com/tables-for-presentation.html> <https://ardata-fr.github.io/flextable-gallery/gallery/2021-03-26-tennis-players/> <https://ardata-fr.github.io/flextable-book/rendering.html#simple-export>

## a) (SAMPLE)

## —— combine all word case in 1 single word

## b) FOR REALZ

casiN <- casi %>%   
 dplyr::rename(  
 #newname = old name  
 "Name" = "name",   
 "Country" = "country",   
 "Sector/s" = "sector",   
 "Sub-sector/s" = "sub\_sectors",   
 "Adminstrative level" = "admin",  
 "Key agencies in charge" = "key\_stakes", #"key\_stakes\_types",   
 "Policy macro area/s" = "policy",   
 "Policy specific tool/s" = "sub\_policy\_clean",   
 # "launched",  
 # "desc\_objective" ,"name" ,  
 "Highlights" = "purpose",   
 "Intended/achieved outcome/s" = "intended\_outcomes",   
 "Status & timeline" = "status",   
 # "has\_regulatory\_innovation", "has\_plan\_guidelines\_std", "has\_O&M\_costs\_reduction",   
 # "has\_priv", "has\_data\_collec", "has\_tech40", "has\_resilience",   
 # "has\_knowshar", "has\_age",  
 "Additional References" = "link"  
   
 )  
  
   
  
  
for (i in 1:nrow(casiN)){  
 onecase <- casiN[i,c("Name",   
 "Country", # "id",   
 # "flag",   
 "Sector/s",  
 "Sub-sector/s",   
 "Adminstrative level",   
 "Key agencies in charge", #"key\_stakes\_types",   
 "Policy macro area/s",   
 "Policy specific tool/s",   
 "Highlights" ,   
 "Intended/achieved outcome/s",   
 "Status & timeline",   
 "Additional References")]  
 # attempt header with case name (NON VIENE!)   
 #one\_name <- onecase[, 3]  
 # print(one\_name)}  
   
 # attempt flag  
 #flag <- onecase$flag[i]  
  
 onecase %>%   
 head() %>%   
 t() %>%   
 as.data.frame() %>%   
 tibble::rownames\_to\_column() %>%   
 flextable %>%   
 set\_header\_labels ( "rowname" = "Info", "V1" = "Details") %>%   
 bold( bold = TRUE, i = 1, j= 2, part = "body") %>%   
 bold( bold = TRUE, j= 1, part = "body") %>%   
 bold( bold = TRUE, part = "header") %>%   
   
 color( color = "white", part = "header") %>%   
 bg( bg = bluMEFprinc, part = "header") %>%   
 bg( bg = grigioSfondo, part = "body", source = j) %>%   
 bg(bg = gialloMEFlight, i = 1 , part = "body") %>%   
 bg(bg = verde\_light, i = c(9,11) , part = "body") %>%   
 bg(bg = bordeaux\_light, i = 10 , part = "body") %>%   
 # bg(bg = gialloMEFlight, i = 1 , part = "body") %>%   
 border\_outer(border = brdr) %>%   
 border\_inner(border = brdr\_in) %>%   
 # fontsize( size = 14, part = "header") %>%   
 fontsize( size = 11, part = "all") %>%   
   
 # compose( i = 3, j= 2, value = as\_paragraph(  
 # as\_chunk(""),  
 # as\_image(src = onecase$flag[i], width = 0.3, height = 0.2),  
 # as\_chunk("")  
 # )) %>%   
 width(j = 1, 3 ) %>%   
 width(j = 2, 10 ) %>%  
 autofit() -> onecase\_ft   
   
 # --- 1) see output in viewer   
 onecase\_ft  
   
 # PRINT (useful when you want to generate flextable in a loop? / results='asis'  
 #flextable\_to\_rmd(onecase\_ft) # --- html output   
   
 # rmarkdown::word\_document() # ---- WORD OUTPUT   
 # print (onecase\_ft, preview = "docx") # ---- WORD OUTPUT 2 (no format )  
 # print(x = ft, target = here::here( "image", "example\_table\_powerpoint.docx")) #---- WORD OUTPUT 3 (no format )  
  
# --- 2) save each in Word picture   
# change to prepare with custom function   
onecase\_ft\_w <- FitFlextableToPage(onecase\_ft)  
  
# save in format WORD individually   
dir <- here::here("images/word/")  
  
# sect\_properties <- prop\_section(colwidths = c(1,7)#,  
# # page\_size = page\_size(orient = "portrait",  
# # width = 8.3, height = 11.7),  
# # type = "continuous",  
# # page\_margins = page\_mar()  
# )  
  
   
save\_as\_docx(x = onecase\_ft\_w, path = paste0(dir, "case", i,".docx")   
 #,pr\_section = sect\_properties  
 )   
  
} # END LOOP

## —— combine all word case in 1 single word

#docfiles <- list.files(path = dir, pattern = '\\.docx$')   
docfiles <- list.files(path = here::here("images", "word"), pattern=glob2rx("^cas\*.docx$"),full.names = TRUE)   
 docfiles

## [1] "/Users/luisamimmi/GoogleDrive/Github/Maintenance/images/word/case1.docx"   
## [2] "/Users/luisamimmi/GoogleDrive/Github/Maintenance/images/word/case10.docx"  
## [3] "/Users/luisamimmi/GoogleDrive/Github/Maintenance/images/word/case11.docx"  
## [4] "/Users/luisamimmi/GoogleDrive/Github/Maintenance/images/word/case12.docx"  
## [5] "/Users/luisamimmi/GoogleDrive/Github/Maintenance/images/word/case13.docx"  
## [6] "/Users/luisamimmi/GoogleDrive/Github/Maintenance/images/word/case14.docx"  
## [7] "/Users/luisamimmi/GoogleDrive/Github/Maintenance/images/word/case15.docx"  
## [8] "/Users/luisamimmi/GoogleDrive/Github/Maintenance/images/word/case16.docx"  
## [9] "/Users/luisamimmi/GoogleDrive/Github/Maintenance/images/word/case17.docx"  
## [10] "/Users/luisamimmi/GoogleDrive/Github/Maintenance/images/word/case18.docx"  
## [11] "/Users/luisamimmi/GoogleDrive/Github/Maintenance/images/word/case19.docx"  
## [12] "/Users/luisamimmi/GoogleDrive/Github/Maintenance/images/word/case2.docx"   
## [13] "/Users/luisamimmi/GoogleDrive/Github/Maintenance/images/word/case20.docx"  
## [14] "/Users/luisamimmi/GoogleDrive/Github/Maintenance/images/word/case21.docx"  
## [15] "/Users/luisamimmi/GoogleDrive/Github/Maintenance/images/word/case22.docx"  
## [16] "/Users/luisamimmi/GoogleDrive/Github/Maintenance/images/word/case23.docx"  
## [17] "/Users/luisamimmi/GoogleDrive/Github/Maintenance/images/word/case24.docx"  
## [18] "/Users/luisamimmi/GoogleDrive/Github/Maintenance/images/word/case25.docx"  
## [19] "/Users/luisamimmi/GoogleDrive/Github/Maintenance/images/word/case26.docx"  
## [20] "/Users/luisamimmi/GoogleDrive/Github/Maintenance/images/word/case27.docx"  
## [21] "/Users/luisamimmi/GoogleDrive/Github/Maintenance/images/word/case28.docx"  
## [22] "/Users/luisamimmi/GoogleDrive/Github/Maintenance/images/word/case29.docx"  
## [23] "/Users/luisamimmi/GoogleDrive/Github/Maintenance/images/word/case3.docx"   
## [24] "/Users/luisamimmi/GoogleDrive/Github/Maintenance/images/word/case30.docx"  
## [25] "/Users/luisamimmi/GoogleDrive/Github/Maintenance/images/word/case31.docx"  
## [26] "/Users/luisamimmi/GoogleDrive/Github/Maintenance/images/word/case32.docx"  
## [27] "/Users/luisamimmi/GoogleDrive/Github/Maintenance/images/word/case33.docx"  
## [28] "/Users/luisamimmi/GoogleDrive/Github/Maintenance/images/word/case34.docx"  
## [29] "/Users/luisamimmi/GoogleDrive/Github/Maintenance/images/word/case35.docx"  
## [30] "/Users/luisamimmi/GoogleDrive/Github/Maintenance/images/word/case36.docx"  
## [31] "/Users/luisamimmi/GoogleDrive/Github/Maintenance/images/word/case37.docx"  
## [32] "/Users/luisamimmi/GoogleDrive/Github/Maintenance/images/word/case38.docx"  
## [33] "/Users/luisamimmi/GoogleDrive/Github/Maintenance/images/word/case39.docx"  
## [34] "/Users/luisamimmi/GoogleDrive/Github/Maintenance/images/word/case4.docx"   
## [35] "/Users/luisamimmi/GoogleDrive/Github/Maintenance/images/word/case40.docx"  
## [36] "/Users/luisamimmi/GoogleDrive/Github/Maintenance/images/word/case41.docx"  
## [37] "/Users/luisamimmi/GoogleDrive/Github/Maintenance/images/word/case42.docx"  
## [38] "/Users/luisamimmi/GoogleDrive/Github/Maintenance/images/word/case43.docx"  
## [39] "/Users/luisamimmi/GoogleDrive/Github/Maintenance/images/word/case5.docx"   
## [40] "/Users/luisamimmi/GoogleDrive/Github/Maintenance/images/word/case6.docx"   
## [41] "/Users/luisamimmi/GoogleDrive/Github/Maintenance/images/word/case7.docx"   
## [42] "/Users/luisamimmi/GoogleDrive/Github/Maintenance/images/word/case8.docx"   
## [43] "/Users/luisamimmi/GoogleDrive/Github/Maintenance/images/word/case9.docx"

docfiles[1]

## [1] "/Users/luisamimmi/GoogleDrive/Github/Maintenance/images/word/case1.docx"

out\_dir <- here::here("images", "word")  
 target\_w <- paste0(out\_dir, "/", "allcase.docx")  
   
   
 # Combine all docx  
my\_doc\_all <- read\_docx() %>%   
 body\_add\_docx(src = docfiles[1]) %>%  
 body\_add\_docx(src = docfiles[2]) %>%  
 body\_add\_docx(src = docfiles[3]) %>%   
 body\_add\_docx(src = docfiles[4]) %>%  
 body\_add\_docx(src = docfiles[5]) %>%   
  
 body\_add\_docx(src = docfiles[6]) %>%  
 body\_add\_docx(src = docfiles[7]) %>%  
 body\_add\_docx(src = docfiles[8]) %>%   
 body\_add\_docx(src = docfiles[9]) %>%  
 body\_add\_docx(src = docfiles[10])%>%  
   
 body\_add\_docx(src = docfiles[11]) %>%  
 body\_add\_docx(src = docfiles[12]) %>%  
 body\_add\_docx(src = docfiles[13]) %>%   
 body\_add\_docx(src = docfiles[14]) %>%  
 body\_add\_docx(src = docfiles[15])%>%  
   
 body\_add\_docx(src = docfiles[16]) %>%  
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 body\_add\_docx(src = docfiles[19]) %>%  
 body\_add\_docx(src = docfiles[20])%>%  
   
 body\_add\_docx(src = docfiles[21]) %>%  
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 body\_add\_docx(src = docfiles[31]) %>%  
 body\_add\_docx(src = docfiles[32]) %>%  
 body\_add\_docx(src = docfiles[33]) %>%   
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 body\_add\_docx(src = docfiles[36]) %>%  
 body\_add\_docx(src = docfiles[37]) %>%  
 body\_add\_docx(src = docfiles[38]) %>%   
 body\_add\_docx(src = docfiles[39]) %>%  
 body\_add\_docx(src = docfiles[40])%>%  
   
 body\_add\_docx(src = docfiles[41]) %>%  
 body\_add\_docx(src = docfiles[42]) %>%  
 body\_add\_docx(src = docfiles[43])   
  
   
   
# Print combined docx to computer  
print(my\_doc\_all, target = target\_w)

# NOPE! - TABLE for loop yes flag (wide)

Error in (function (img\_raster, width, height) : this format is not implemented