

**MÁSTER UNIVERSITARIO EN
INGENIERÍA ENERGÉTICA SOSTENIBLE**

TRABAJO FIN DE MÁSTER

***DESARROLLO DE UNA METODOLOGÍA
RÁPIDA PARA LA EVALUACIÓN DEL
IMPACTO AMBIENTAL***

Estudiante *Ugalde Muguruza, Imanol*

Director/Directora *Rozas Guinea, Saroa*

Departamento *Ingeniería Energética*

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Documento nº4 ANEXO 3 – Códigos Informáticos

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A continuación, se pueden ver los códigos y las funciones que se han diseñado en las hojas Excel. Las funciones varían ligeramente de un documento Excel a otro, es decir, de una fuente de energía, pero la base de las mismas es muy similar, por lo que únicamente se mostrarán los códigos pertenecientes a la energía eólica offshore. Cada función se representa limitada por dos líneas horizontales.

```
Sub OcultarFilas()  
  
    Sheets("Selección de acciones").Select  
    ActiveSheet.Unprotect ("PASSWORD")  
    Sheets("Acciones seleccionadas").Range("B3:C250").ClearContents  
    Dim ContFilaAtzetik As Long  
  
    Sheets("Selección de acciones").Rows("3:200").EntireRow.Hidden = False  
  
    Sheets("Selección de acciones").Application.ScreenUpdating = False  
    For i = 3 To 200  
        If Sheets("Selección de acciones").Cells(i, "H") = "0" Then  
            Sheets("Selección de acciones").Rows(i).EntireRow.Hidden = True  
        ElseIf Sheets("Selección de acciones").Cells(i, "H") = "" Then  
            Sheets("Selección de acciones").Rows(i).EntireRow.Hidden = True  
        End If  
    Next  
  
    For i = 3 To 200  
        If Sheets("Selección de acciones").Cells(i, "H") = "1" Then  
            Sheets("Acciones seleccionadas").Cells(i, "B") = Sheets("Selección  
de acciones").Cells(i, "F")  
            Sheets("Acciones seleccionadas").Cells(i, "C") = Sheets("Selección  
de acciones").Cells(i, "G")  
        End If  
    Next
```

```
For i = 3 To 200

    ContFilaAtzetik = 203 - i

    If Sheets("Acciones seleccionadas").Cells(ContFilaAtzetik, "B") = ""
Then
    Sheets("Acciones
seleccionadas").Rows(ContFilaAtzetik).EntireRow.Delete

    End If

Next

Sheets("Acciones seleccionadas").Select
Sheets("Acciones seleccionadas").Range("B3").Select
Sheets("Acciones seleccionadas").Cells.FormatConditions.Delete
Selection.FormatConditions.Add Type:=xlTextString, String:="F", _
    TextOperator:=xlContains

Selection.FormatConditions(Selection.FormatConditions.Count).SetFirstPriority

With Selection.FormatConditions(1).Borders(xlLeft)
    .LineStyle = xlContinuous
    .TintAndShade = 0
    .Weight = xlThin
End With

With Selection.FormatConditions(1).Borders(xlRight)
    .LineStyle = xlContinuous
    .TintAndShade = 0
    .Weight = xlThin
End With

With Selection.FormatConditions(1).Borders(xlTop)
    .LineStyle = xlContinuous
    .TintAndShade = 0
    .Weight = xlThin
End With

With Selection.FormatConditions(1).Borders(xlBottom)
    .LineStyle = xlContinuous
```

```
.TintAndShade = 0

.Weight = xlThin

End With

With Selection.FormatConditions(1).Interior

.PatternColorIndex = xlAutomatic

.Color = 10092441

.TintAndShade = 0

End With

Selection.FormatConditions(1).StopIfTrue = False

Sheets("Acciones seleccionadas").Range("C3").Select

Selection.FormatConditions.Add Type:=xlTextString, String:="e", _
    TextOperator:=xlContains

Selection.FormatConditions(Selection.FormatConditions.Count).SetFirstPriority

With Selection.FormatConditions(1).Borders(xlLeft)

.LineStyle = xlContinuous

.TintAndShade = 0

.Weight = xlThin

End With

With Selection.FormatConditions(1).Borders(xlRight)

.LineStyle = xlContinuous

.TintAndShade = 0

.Weight = xlThin

End With

With Selection.FormatConditions(1).Borders(xlTop)

.LineStyle = xlContinuous

.TintAndShade = 0

.Weight = xlThin

End With

With Selection.FormatConditions(1).Borders(xlBottom)

.LineStyle = xlContinuous

.TintAndShade = 0

.Weight = xlThin
```

```
End With

With Selection.FormatConditions(1).Interior
    .PatternColorIndex = xlAutomatic
    .Color = 10092441
    .TintAndShade = 0
End With

Selection.FormatConditions(1).StopIfTrue = False

Sheets("Acciones seleccionadas").Cells.FormatConditions.Delete
Sheets("Acciones seleccionadas").Range("B3:B250").Select
Sheets("Acciones seleccionadas").Range("B3").Activate
Selection.FormatConditions.Add Type:=xlTextString, String:="F", _
    TextOperator:=xlContains

Selection.FormatConditions(Selection.FormatConditions.Count).SetFirstPriority

With Selection.FormatConditions(1).Borders(xlLeft)
    .LineStyle = xlContinuous
    .TintAndShade = 0
    .Weight = xlThin
End With

With Selection.FormatConditions(1).Borders(xlRight)
    .LineStyle = xlContinuous
    .TintAndShade = 0
    .Weight = xlThin
End With

With Selection.FormatConditions(1).Borders(xlTop)
    .LineStyle = xlContinuous
    .TintAndShade = 0
    .Weight = xlThin
End With

With Selection.FormatConditions(1).Borders(xlBottom)
    .LineStyle = xlContinuous
    .TintAndShade = 0
    .Weight = xlThin
```

```
End With

With Selection.FormatConditions(1).Interior
    .PatternColorIndex = xlAutomatic
    .Color = 10092441
    .TintAndShade = 0
End With

Selection.FormatConditions(1).StopIfTrue = False
Sheets("Acciones seleccionadas").Range("C3:C250").Select
Selection.FormatConditions.Add Type:=xlTextString, String:="e", _
    TextOperator:=xlContains

Selection.FormatConditions(Selection.FormatConditions.Count).SetFirstPriority

With Selection.FormatConditions(1).Borders(xlLeft)
    .LineStyle = xlContinuous
    .TintAndShade = 0
    .Weight = xlThin
End With

With Selection.FormatConditions(1).Borders(xlRight)
    .LineStyle = xlContinuous
    .TintAndShade = 0
    .Weight = xlThin
End With

With Selection.FormatConditions(1).Borders(xlTop)
    .LineStyle = xlContinuous
    .TintAndShade = 0
    .Weight = xlThin
End With

With Selection.FormatConditions(1).Borders(xlBottom)
    .LineStyle = xlContinuous
    .TintAndShade = 0
    .Weight = xlThin
End With

With Selection.FormatConditions(1).Interior
```

```
.PatternColorIndex = xlAutomatic
.Color = 10092441
.TintAndShade = 0

End With

Selection.FormatConditions(1).StopIfTrue = False

Sheets("Selección de acciones").Select
ActiveSheet.Protect ("PASSWORD")

End Sub
```

```
Sub MostrarFilas()

    Sheets("Selección de acciones").Select
    ActiveSheet.Unprotect ("PASSWORD")
    Rows("3:200").EntireRow.Hidden = False
    Sheets("Selección de acciones").Select
    ActiveSheet.Protect ("PASSWORD")

End Sub
```

```
Sub OcultarFilasAukeratuakEtaHutsak()

    Sheets("Selección de acciones").Select
    ActiveSheet.Unprotect ("PASSWORD")

    Rows("3:200").EntireRow.Hidden = False

    Application.ScreenUpdating = False
    For i = 3 To 200
        If Cells(i, "H") = "1" Then
            Rows(i).EntireRow.Hidden = True
        ElseIf Cells(i, "H") = "" Then
            Rows(i).EntireRow.Hidden = True
        End If
    Next

End Sub
```

```
Sheets("Selección de acciones").Select  
ActiveSheet.Protect ("PASSWORD")
```

End Sub

```
Sub OcultarFilasBeteta()
```

```
Sheets("Selección de acciones").Select  
ActiveSheet.Unprotect ("PASSWORD")
```

```
Rows("3:200").EntireRow.Hidden = False
```

```
Application.ScreenUpdating = False
```

```
For i = 3 To 200
```

```
    If Cells(i, "H") = "1" Then
```

```
        Rows(i).EntireRow.Hidden = True
```

```
    ElseIf Cells(i, "H") = "0" Then
```

```
        Rows(i).EntireRow.Hidden = True
```

```
    End If
```

```
Next
```

```
Sheets("Selección de acciones").Select  
ActiveSheet.Protect ("PASSWORD")
```

End Sub

```
Sub ErlazioakDefinitu()
```

```
Sheets("Definir las relaciones").Range("C5:F15000").ClearContents
```

```
Worksheets("Definir las relaciones").Range("C5:F15000").UnMerge
```

```
Dim Numero As String
```



```
Dim Subfactores As String

Dim Codigo As String

Dim Acciones As String

Dim UltimaFila As Long

Dim UltimaFilaAuxiliar As Long

Dim UltimaColumna As Long

Dim UltimaColumnaAuxiliar As Long

Dim ContFila As Long

Dim ContColumna As Long

PalabraBusqueda = "X"

UltimaFila = Sheets("Factores Ambientales").Range("F" &
Rows.Count).End(xlUp).Row

UltimaColumna = Sheets("Factores Ambientales").Cells.Find(what:="*",
After:=Range("A1"), LookIn:=xlFormulas, LookAt:=xlPart,
SearchOrder:=xlColumns, SearchDirection:=xlPrevious,
MatchCase:=False).Column

If UltimaFila < 5 Then
    Exit Sub
End If

If UltimaColumna < 7 Then
    Exit Sub
End If

For ContFila = 5 To UltimaFila
    For ContColumna = 7 To UltimaColumna
        If Sheets("Factores Ambientales").Cells(ContFila, ContColumna)
Like PalabraBusqueda Then
            Numero = Sheets("Factores Ambientales").Cells(ContFila, 6)
```

```
Subfactores = Sheets("Factores Ambientales").Cells(ContFila,
5)

Codigo = Sheets("Selección de acciones").Cells(ContColumna -
4, 6)

Acciones = Sheets("Selección de acciones").Cells(ContColumna
- 4, 7)

UltimaFilaAuxiliar = Sheets("Definir las
relaciones").Range("F" & Rows.Count).End(xlUp).Row

Sheets("Definir las relaciones").Cells(UltimaFilaAuxiliar +
1, 3) = Numero
Sheets("Definir las relaciones").Cells(UltimaFilaAuxiliar +
1, 4) = Subfactores
Sheets("Definir las relaciones").Cells(UltimaFilaAuxiliar +
1, 5) = Codigo
Sheets("Definir las relaciones").Cells(UltimaFilaAuxiliar +
1, 6) = Acciones

End If

Next ContColumna

Next ContFila

UltimaFilaAuxiliar = Sheets("Definir las relaciones").Range("F" &
Rows.Count).End(xlUp).Row

With Sheets("Definir las relaciones").Range("C5:F" &
UltimaFilaAuxiliar).Font

.Name = Calibri
.Size = 10
.Bold = True

End With

MsgBox "Proceso terminado", vbInformation, "Resultado"
```

End Sub

Sub FaktoreakDefinitu()

Sheets("Factores ambientales").Select

ActiveSheet.Unprotect ("PASSWORD")

Sheets("Factores ambientales").Range("G5:GG130").ClearContents

Dim ContFila As Long

Dim ContColumna As Long

Dim Aukeratua As String

PalabraBusqueda = "X"

UltimaFila = Sheets("Factores Ambientales").Range("F" &
Rows.Count).End(xlUp).Row

UltimaColumna = Sheets("Factores Ambientales").Cells.Find(what:="*",
After:=Range("A1"), LookIn:=xlFormulas, LookAt:=xlPart,
SearchOrder:=xlColumns, SearchDirection:=xlPrevious,
MatchCase:=False).Column

If UltimaFila < 5 Then

Exit Sub

End If

If UltimaColumna < 7 Then

Exit Sub

End If

For ContFila = 5 To UltimaFila

For ContColumna = 7 To UltimaColumna

If Sheets("Identificación de efectos").Cells(ContFila,
ContColumna) Like PalabraBusqueda Then

```
Aukeratua = Sheets("Identificación de efectos").Cells(ContFila,
ContColumna)

    Sheets("Factores ambientales").Cells(ContFila, ContColumna) =
Aukeratua

    End If

    Next ContColumna

Next ContFila

For ContColumna = 7 To UltimaColumna
    For ContFila = 5 To UltimaFila
        If Sheets("Selección de acciones").Cells(ContColumna - 4, "H")
<> "1" Then
            Sheets("Factores Ambientales").Cells(ContFila, ContColumna) = "-
"

            End If

        Next ContFila

    Next ContColumna

    Sheets("Factores ambientales").Select

    ActiveSheet.Protect ("PASSWORD")

    MsgBox "Se han actualizado los valores de la tabla", vbInformation, "Tabla
actualizada"

End Sub
```

```
Sub Txukundu()

Worksheets("Definir las relaciones").Range("C5:F15000").UnMerge

'Updateby Extendoffice

Dim Rng As Range, xCell As Range

Dim xRows As Integer

xTitleId = "Selecione las celdas que quieras combinar que contengan el mismo
texto o valor"
```

```
Set WorkRng = Application.Selection

Set WorkRng = Application.InputBox("Range", xTitleId, WorkRng.Address,
Type:=8)

Application.ScreenUpdating = False
Application.DisplayAlerts = False
xRows = WorkRng.Rows.Count
For Each Rng In WorkRng.Columns
    For i = 1 To xRows - 1
        For j = i + 1 To xRows
            If Rng.Cells(i, 1).Value <> Rng.Cells(j, 1).Value Then
                Exit For
            End If
        Next
        WorkRng.Parent.Range(Rng.Cells(i, 1), Rng.Cells(j - 1, 1)).Merge
        i = j - 1
    Next
Next

Application.DisplayAlerts = True
Application.ScreenUpdating = True

Range("E5").Select
Cells.FormatConditions.Delete
Range("E5:E5000").Select
Range("E5").Activate
Selection.FormatConditions.Add Type:=xlTextString, String:="F", _
    TextOperator:=xlContains

Selection.FormatConditions(Selection.FormatConditions.Count).SetFirstPriority
With Selection.FormatConditions(1).Borders(xlLeft)
    .LineStyle = xlContinuous
    .TintAndShade = 0
    .Weight = xlThin
End With
```

```
With Selection.FormatConditions(1).Borders(xlRight)
    .LineStyle = xlContinuous
    .TintAndShade = 0
    .Weight = xlThin
End With
With Selection.FormatConditions(1).Borders(xlTop)
    .LineStyle = xlContinuous
    .TintAndShade = 0
    .Weight = xlThin
End With
With Selection.FormatConditions(1).Borders(xlBottom)
    .LineStyle = xlContinuous
    .TintAndShade = 0
    .Weight = xlThin
End With
With Selection.FormatConditions(1).Interior
    .PatternColorIndex = 0
    .Color = 16751052
    .TintAndShade = 0
    .PatternTintAndShade = 0
End With
Selection.FormatConditions(1).StopIfTrue = False
Range("F5:F5000").Select
Range("F5").Activate
Selection.FormatConditions.Add Type:=xlTextString, String:="e", _
    TextOperator:=xlContains
Selection.FormatConditions(Selection.FormatConditions.Count).SetFirstPriority
With Selection.FormatConditions(1).Borders(xlLeft)
    .LineStyle = xlContinuous
    .TintAndShade = 0
    .Weight = xlThin
End With
```

```
With Selection.FormatConditions(1).Borders(xlRight)
    .LineStyle = xlContinuous
    .TintAndShade = 0
    .Weight = xlThin
End With
With Selection.FormatConditions(1).Borders(xlTop)
    .LineStyle = xlContinuous
    .TintAndShade = 0
    .Weight = xlThin
End With
With Selection.FormatConditions(1).Borders(xlBottom)
    .LineStyle = xlContinuous
    .TintAndShade = 0
    .Weight = xlThin
End With
With Selection.FormatConditions(1).Interior
    .PatternColorIndex = 0
    .Color = 16751052
    .TintAndShade = 0
    .PatternTintAndShade = 0
End With
Selection.FormatConditions(1).StopIfTrue = False
Range("C5:D5000").Select
Selection.FormatConditions.Add Type:=xlTextString, String:=".", _
    TextOperator:=xlContains

Selection.FormatConditions(Selection.FormatConditions.Count).SetFirstPriority
With Selection.FormatConditions(1).Borders(xlLeft)
    .LineStyle = xlContinuous
    .TintAndShade = 0
    .Weight = xlThin
End With
With Selection.FormatConditions(1).Borders(xlRight)
```

```
.LineStyle = xlContinuous  
.TintAndShade = 0  
.Weight = xlThin  
End With  
With Selection.FormatConditions(1).Borders(xlTop)  
.LineStyle = xlContinuous  
.TintAndShade = 0  
.Weight = xlThin  
End With  
With Selection.FormatConditions(1).Borders(xlBottom)  
.LineStyle = xlContinuous  
.TintAndShade = 0  
.Weight = xlThin  
End With  
With Selection.FormatConditions(1).Interior  
.PatternColorIndex = xlAutomatic  
.Color = 10079487  
.TintAndShade = 0  
End With  
Selection.FormatConditions(1).StopIfTrue = False  
  
End Sub
```

```
Sub Koloreztatu()  
'  
' Koloreztatu Macro  
'  
'  
  
Sheets("Acciones seleccionadas").Range("B3").Select  
Sheets("Acciones seleccionadas").Cells.FormatConditions.Delete  
Selection.FormatConditions.Add Type:=xlTextString, String:="F", _  
TextOperator:=xlContains
```



```
Selection.FormatConditions(Selection.FormatConditions.Count).SetFirstPriority
With Selection.FormatConditions(1).Borders(xlLeft)
    .LineStyle = xlContinuous
    .TintAndShade = 0
    .Weight = xlThin
End With
With Selection.FormatConditions(1).Borders(xlRight)
    .LineStyle = xlContinuous
    .TintAndShade = 0
    .Weight = xlThin
End With
With Selection.FormatConditions(1).Borders(xlTop)
    .LineStyle = xlContinuous
    .TintAndShade = 0
    .Weight = xlThin
End With
With Selection.FormatConditions(1).Borders(xlBottom)
    .LineStyle = xlContinuous
    .TintAndShade = 0
    .Weight = xlThin
End With
With Selection.FormatConditions(1).Interior
    .PatternColorIndex = xlAutomatic
    .Color = 10092441
    .TintAndShade = 0
End With
Selection.FormatConditions(1).StopIfTrue = False
Sheets("Acciones seleccionadas").Range("C3").Select
Selection.FormatConditions.Add Type:=xlTextString, String:="e", _
    TextOperator:=xlContains

Selection.FormatConditions(Selection.FormatConditions.Count).SetFirstPriority
```

```
With Selection.FormatConditions(1).Borders(xlLeft)
    .LineStyle = xlContinuous
    .TintAndShade = 0
    .Weight = xlThin
End With
With Selection.FormatConditions(1).Borders(xlRight)
    .LineStyle = xlContinuous
    .TintAndShade = 0
    .Weight = xlThin
End With
With Selection.FormatConditions(1).Borders(xlTop)
    .LineStyle = xlContinuous
    .TintAndShade = 0
    .Weight = xlThin
End With
With Selection.FormatConditions(1).Borders(xlBottom)
    .LineStyle = xlContinuous
    .TintAndShade = 0
    .Weight = xlThin
End With
With Selection.FormatConditions(1).Interior
    .PatternColorIndex = xlAutomatic
    .Color = 10092441
    .TintAndShade = 0
End With
Selection.FormatConditions(1).StopIfTrue = False
Sheets("Acciones seleccionadas").Cells.FormatConditions.Delete
Sheets("Acciones seleccionadas").Range("B3:B250").Select
Sheets("Acciones seleccionadas").Range("B3").Activate
Selection.FormatConditions.Add Type:=xlTextString, String:="F", _
    TextOperator:=xlContains

Selection.FormatConditions(Selection.FormatConditions.Count).SetFirstPriority
```

```
With Selection.FormatConditions(1).Borders(xlLeft)
    .LineStyle = xlContinuous
    .TintAndShade = 0
    .Weight = xlThin
End With
With Selection.FormatConditions(1).Borders(xlRight)
    .LineStyle = xlContinuous
    .TintAndShade = 0
    .Weight = xlThin
End With
With Selection.FormatConditions(1).Borders(xlTop)
    .LineStyle = xlContinuous
    .TintAndShade = 0
    .Weight = xlThin
End With
With Selection.FormatConditions(1).Borders(xlBottom)
    .LineStyle = xlContinuous
    .TintAndShade = 0
    .Weight = xlThin
End With
With Selection.FormatConditions(1).Interior
    .PatternColorIndex = xlAutomatic
    .Color = 10092441
    .TintAndShade = 0
End With
Selection.FormatConditions(1).StopIfTrue = False
Sheets("Acciones seleccionadas").Range("C3:C250").Select
Selection.FormatConditions.Add Type:=xlTextString, String:="e", _
    TextOperator:=xlContains

Selection.FormatConditions(Selection.FormatConditions.Count).SetFirstPriority
With Selection.FormatConditions(1).Borders(xlLeft)
    .LineStyle = xlContinuous
```

```
.TintAndShade = 0

.Weight = xlThin

End With

With Selection.FormatConditions(1).Borders(xlRight)

.LineStyle = xlContinuous

.TintAndShade = 0

.Weight = xlThin

End With

With Selection.FormatConditions(1).Borders(xlTop)

.LineStyle = xlContinuous

.TintAndShade = 0

.Weight = xlThin

End With

With Selection.FormatConditions(1).Borders(xlBottom)

.LineStyle = xlContinuous

.TintAndShade = 0

.Weight = xlThin

End With

With Selection.FormatConditions(1).Interior

.PatternColorIndex = xlAutomatic

.Color = 10092441

.TintAndShade = 0

End With

Selection.FormatConditions(1).StopIfTrue = False

End Sub
```

```
Sub OcultarFilasMedidas()
```

```
Sheets("Elección de medidas correctoras").Select
ActiveSheet.Unprotect ("PASSWORD")
Sheets("Medidas seleccionadas").Range("B3:C250").ClearContents
Dim ContFilaAtzetik As Long
```

```
Sheets("Elección de medidas correctoras").Rows("3:200").EntireRow.Hidden = False
```

```
Sheets("Elección de medidas correctoras").Application.ScreenUpdating = False
```

```
For i = 3 To 200
    If Sheets("Elección de medidas correctoras").Cells(i, "H") = "0" Then
        Sheets("Elección de medidas correctoras").Rows(i).EntireRow.Hidden = True
    ElseIf Sheets("Elección de medidas correctoras").Cells(i, "H") = "" Then
        Sheets("Elección de medidas correctoras").Rows(i).EntireRow.Hidden = True
    End If
Next
```

```
For i = 3 To 200
    If Sheets("Elección de medidas correctoras").Cells(i, "H") = "1" Then
        Sheets("Medidas seleccionadas").Cells(i, "B") = Sheets("Elección de medidas correctoras").Cells(i, "F")
        Sheets("Medidas seleccionadas").Cells(i, "C") = Sheets("Elección de medidas correctoras").Cells(i, "G")
    End If
Next
```

```
For i = 3 To 200
    ContFilaAtzetik = 203 - i
    If Sheets("Medidas seleccionadas").Cells(ContFilaAtzetik, "B") = "" Then
        Sheets("Medidas seleccionadas").Rows(ContFilaAtzetik).EntireRow.Delete
    End If
Next
```

```
Sheets("Medidas seleccionadas").Select
```

```
Sheets("Medidas seleccionadas").Range("B3").Select

Sheets("Medidas seleccionadas").Cells.FormatConditions.Delete

Selection.FormatConditions.Add Type:=xlTextString, String:="M", _
    TextOperator:=xlContains

Selection.FormatConditions(Selection.FormatConditions.Count).SetFirstPriority

With Selection.FormatConditions(1).Borders(xlLeft)
    .LineStyle = xlContinuous
    .TintAndShade = 0
    .Weight = xlThin
End With

With Selection.FormatConditions(1).Borders(xlRight)
    .LineStyle = xlContinuous
    .TintAndShade = 0
    .Weight = xlThin
End With

With Selection.FormatConditions(1).Borders(xlTop)
    .LineStyle = xlContinuous
    .TintAndShade = 0
    .Weight = xlThin
End With

With Selection.FormatConditions(1).Borders(xlBottom)
    .LineStyle = xlContinuous
    .TintAndShade = 0
    .Weight = xlThin
End With

With Selection.FormatConditions(1).Interior
    .PatternColorIndex = xlAutomatic
    .Color = 10092441
    .TintAndShade = 0
End With

Selection.FormatConditions(1).StopIfTrue = False

Sheets("Medidas seleccionadas").Range("C3").Select
```

```
Selection.FormatConditions.Add Type:=xlTextString, String:="e", _
    TextOperator:=xlContains

Selection.FormatConditions(Selection.FormatConditions.Count).SetFirstPriority

With Selection.FormatConditions(1).Borders(xlLeft)
    .LineStyle = xlContinuous
    .TintAndShade = 0
    .Weight = xlThin
End With

With Selection.FormatConditions(1).Borders(xlRight)
    .LineStyle = xlContinuous
    .TintAndShade = 0
    .Weight = xlThin
End With

With Selection.FormatConditions(1).Borders(xlTop)
    .LineStyle = xlContinuous
    .TintAndShade = 0
    .Weight = xlThin
End With

With Selection.FormatConditions(1).Borders(xlBottom)
    .LineStyle = xlContinuous
    .TintAndShade = 0
    .Weight = xlThin
End With

With Selection.FormatConditions(1).Interior
    .PatternColorIndex = xlAutomatic
    .Color = 10092441
    .TintAndShade = 0
End With

Selection.FormatConditions(1).StopIfTrue = False

Sheets("Medidas seleccionadas").Cells.FormatConditions.Delete
Sheets("Medidas seleccionadas").Range("B3:B250").Select
Sheets("Medidas seleccionadas").Range("B3").Activate
```

```
Selection.FormatConditions.Add Type:=xlTextString, String:="M", _
    TextOperator:=xlContains

Selection.FormatConditions(Selection.FormatConditions.Count).SetFirstPriority

With Selection.FormatConditions(1).Borders(xlLeft)
    .LineStyle = xlContinuous
    .TintAndShade = 0
    .Weight = xlThin
End With

With Selection.FormatConditions(1).Borders(xlRight)
    .LineStyle = xlContinuous
    .TintAndShade = 0
    .Weight = xlThin
End With

With Selection.FormatConditions(1).Borders(xlTop)
    .LineStyle = xlContinuous
    .TintAndShade = 0
    .Weight = xlThin
End With

With Selection.FormatConditions(1).Borders(xlBottom)
    .LineStyle = xlContinuous
    .TintAndShade = 0
    .Weight = xlThin
End With

With Selection.FormatConditions(1).Interior
    .PatternColorIndex = xlAutomatic
    .Color = 10092441
    .TintAndShade = 0
End With

Selection.FormatConditions(1).StopIfTrue = False
Sheets("Medidas seleccionadas").Range("C3:C250").Select
Selection.FormatConditions.Add Type:=xlTextString, String:="e", _
    TextOperator:=xlContains
```



```
Selection.FormatConditions(Selection.FormatConditions.Count).SetFirstPriority
With Selection.FormatConditions(1).Borders(xlLeft)
    .LineStyle = xlContinuous
    .TintAndShade = 0
    .Weight = xlThin
End With
With Selection.FormatConditions(1).Borders(xlRight)
    .LineStyle = xlContinuous
    .TintAndShade = 0
    .Weight = xlThin
End With
With Selection.FormatConditions(1).Borders(xlTop)
    .LineStyle = xlContinuous
    .TintAndShade = 0
    .Weight = xlThin
End With
With Selection.FormatConditions(1).Borders(xlBottom)
    .LineStyle = xlContinuous
    .TintAndShade = 0
    .Weight = xlThin
End With
With Selection.FormatConditions(1).Interior
    .PatternColorIndex = xlAutomatic
    .Color = 10092441
    .TintAndShade = 0
End With
Selection.FormatConditions(1).StopIfTrue = False

Sheets("Elección de medidas correctoras").Select
ActiveSheet.Protect ("PASSWORD")

End Sub
```

```
Sub MostrarFilasMedidas()  
    Sheets("Elección de medidas correctoras").Select  
    ActiveSheet.Unprotect ("PASSWORD")  
    Rows("3:200").EntireRow.Hidden = False  
    Sheets("Elección de medidas correctoras").Select  
    ActiveSheet.Protect ("PASSWORD")  
End Sub
```

```
Sub OcultarFilasAukeratuakEtaHutsakMedidas()  
  
    Sheets("Elección de medidas correctoras").Select  
    ActiveSheet.Unprotect ("PASSWORD")  
  
    Rows("3:200").EntireRow.Hidden = False  
  
    Application.ScreenUpdating = False  
    For i = 3 To 200  
        If Cells(i, "H") = "1" Then  
            Rows(i).EntireRow.Hidden = True  
        ElseIf Cells(i, "H") = "" Then  
            Rows(i).EntireRow.Hidden = True  
        End If  
    Next  
  
    Sheets("Elección de medidas correctoras").Select  
    ActiveSheet.Protect ("PASSWORD")  
  
End Sub
```

```
Sub OcultarFilasBetetaMedidas()  
  
    Sheets("Elección de medidas correctoras").Select  
    ActiveSheet.Unprotect ("PASSWORD")
```

```
Rows("3:200").EntireRow.Hidden = False

Application.ScreenUpdating = False

For i = 3 To 200
    If Cells(i, "H") = "1" Then
        Rows(i).EntireRow.Hidden = True
    ElseIf Cells(i, "H") = "0" Then
        Rows(i).EntireRow.Hidden = True
    End If
Next

Sheets("Elección de medidas correctoras").Select
ActiveSheet.Protect ("PASSWORD")

End Sub
```

```
Sub ErlazioakDefinituMedidas()

Sheets("Definir las relaciones_MED").Range("C5:F15000").ClearContents
Worksheets("Definir las relaciones_MED").Range("C5:F15000").UnMerge

    Dim Numero As String
    Dim Subfactores As String
    Dim Codigo As String
    Dim Acciones As String

    Dim UltimaFila As Long
    Dim UltimaFilaAuxiliar As Long
    Dim UltimaColumna As Long
    Dim UltimaColumnaAuxiliar As Long

    Dim ContFila As Long
```

```
Dim ContColumna As Long

PalabraBusqueda = "X"

UltimaFila = Sheets("Factores ambientales_MED").Range("F" & Rows.Count).End(xlUp).Row

UltimaColumna = Sheets("Factores ambientales_MED").Cells.Find(what:="*", After:=Range("A1"), LookIn:=xlFormulas, LookAt:=xlPart, SearchOrder:=xlColumns, SearchDirection:=xlPrevious, MatchCase:=False).Column

If UltimaFila < 5 Then
    Exit Sub
End If

If UltimaColumna < 7 Then
    Exit Sub
End If

For ContFila = 5 To UltimaFila
    For ContColumna = 7 To UltimaColumna
        If Sheets("Factores ambientales_MED").Cells(ContFila, ContColumna) Like PalabraBusqueda Then
            Numero = Sheets("Factores ambientales_MED").Cells(ContFila, 6)

            Subfactores = Sheets("Factores ambientales_MED").Cells(ContFila, 5)

            Codigo = Sheets("Elección de medidas correctoras").Cells(ContColumna - 4, 6)

            Acciones = Sheets("Elección de medidas correctoras").Cells(ContColumna - 4, 7)

            UltimaFilaAuxiliar = Sheets("Definir las relaciones_MED").Range("F" & Rows.Count).End(xlUp).Row

            Sheets("Definir las relaciones_MED").Cells(UltimaFilaAuxiliar + 1, 3) = Numero
        End If
    Next ContColumna
Next ContFila
```

```
        Sheets("Definir relaciones_MED").Cells(UltimaFilaAuxiliar + 1, 4) = Subfactores           las
        Sheets("Definir relaciones_MED").Cells(UltimaFilaAuxiliar + 1, 5) = Codigo           las
        Sheets("Definir relaciones_MED").Cells(UltimaFilaAuxiliar + 1, 6) = Acciones       las

        End If

        Next ContColumna

        Next ContFila

        UltimaFilaAuxiliar = Sheets("Definir las relaciones_MED").Range("F" & Rows.Count).End(xlUp).Row

        With Sheets("Definir las relaciones_MED").Range("C5:F" & UltimaFilaAuxiliar).Font
            .Name = Calibri
            .Size = 10
            .Bold = True
        End With

        MsgBox "Proceso terminado", vbInformation, "Resultado"

End Sub
```

```
Sub FaktoreakDefinituMedidas()
```

```
Sheets("Factores ambientales_MED").Select
```

```
ActiveSheet.Unprotect ("PASSWORD")
```

```
Sheets("Factores ambientales_MED").Range("G5:GG130").ClearContents
```

```
Dim ContFila As Long
```

```
Dim ContColumna As Long
```

```
Dim Aukeratua As String
```

```
PalabraBusqueda = "X"
```

```
UltimaFila = Sheets("Factores ambientales_MED").Range("F" &  
Rows.Count).End(xlUp).Row
```

```
UltimaColumna = Sheets("Factores ambientales_MED").Cells.Find(what:="*",  
After:=Range("A1"), LookIn:=xlFormulas, LookAt:=xlPart,  
SearchOrder:=xlColumns, SearchDirection:=xlPrevious,  
MatchCase:=False).Column
```

```
If UltimaFila < 5 Then
```

```
Exit Sub
```

```
End If
```

```
If UltimaColumna < 7 Then
```

```
Exit Sub
```

```
End If
```

```
For ContFila = 5 To UltimaFila
```

```
For ContColumna = 7 To UltimaColumna
```

```
If Sheets("Relación medidas-factores").Cells(ContFila,  
ContColumna) Like PalabraBusqueda Then
```

```
Aukeratua = Sheets("Relación medidas-factores").Cells(ContFila,  
ContColumna)
```

```
Sheets("Factores ambientales_MED").Cells(ContFila, ContColumna)  
= Aukeratua
```

```
End If
```

```
Next ContColumna
```

```
Next ContFila
```

```
For ContColumna = 7 To UltimaColumna
```

```
For ContFila = 5 To UltimaFila
```

```
        If Sheets("Elección de medidas correctoras").Cells(ContColumna -  
4, "H") <> "1" Then  
            Sheets("Factores ambientales_MED").Cells(ContFila, ContColumna)  
= "-"  
            End If  
        Next ContFila  
  
    Next ContColumna  
  
    Sheets("Factores ambientales_MED").Select  
    ActiveSheet.Protect ("PASSWORD")  
  
    MsgBox "Se han actualizado los valores de la tabla", vbInformation, "Tabla  
actualizada"  
  
End Sub
```

```
Sub TxukunduMedidas()  
Worksheets("Definir las relaciones_MED").Range("C5:F15000").UnMerge  
'Updateby Extendoffice  
Dim Rng As Range, xCell As Range  
Dim xRows As Integer  
xTitleId = "Seleccione las celdas que quieras combinar que contengan el mismo  
texto o valor"  
Set WorkRng = Application.Selection  
Set WorkRng = Application.InputBox("Range", xTitleId, WorkRng.Address,  
Type:=8)  
Application.ScreenUpdating = False  
Application.DisplayAlerts = False  
xRows = WorkRng.Rows.Count  
For Each Rng In WorkRng.Columns  
    For i = 1 To xRows - 1  
        For j = i + 1 To xRows  
            If Rng.Cells(i, 1).Value <> Rng.Cells(j, 1).Value Then  
                Exit For  
            End If  
        Next j  
    Next i  
Next Rng
```

```
End If

Next

WorkRng.Parent.Range(Rng.Cells(i, 1), Rng.Cells(j - 1, 1)).Merge

i = j - 1

Next

Next

Application.DisplayAlerts = True

Application.ScreenUpdating = True

Range("E5").Select

Cells.FormatConditions.Delete

Range("E5:E5000").Select

Range("E5").Activate

Selection.FormatConditions.Add Type:=xlTextString, String:="M", _
    TextOperator:=xlContains

Selection.FormatConditions(Selection.FormatConditions.Count).SetFirstPriority

With Selection.FormatConditions(1).Borders(xlLeft)

    .LineStyle = xlContinuous

    .TintAndShade = 0

    .Weight = xlThin

End With

With Selection.FormatConditions(1).Borders(xlRight)

    .LineStyle = xlContinuous

    .TintAndShade = 0

    .Weight = xlThin

End With

With Selection.FormatConditions(1).Borders(xlTop)

    .LineStyle = xlContinuous

    .TintAndShade = 0

    .Weight = xlThin

End With

With Selection.FormatConditions(1).Borders(xlBottom)
```



```
.LineStyle = xlContinuous
.TintAndShade = 0
.Weight = xlThin
End With
With Selection.FormatConditions(1).Interior
.PatternColorIndex = 0
.Color = 16751052
.TintAndShade = 0
.PatternTintAndShade = 0
End With
Selection.FormatConditions(1).StopIfTrue = False
Range("F5:F5000").Select
Range("F5").Activate
Selection.FormatConditions.Add Type:=xlTextString, String:="e", _
    TextOperator:=xlContains

Selection.FormatConditions(Selection.FormatConditions.Count).SetFirstPriority

With Selection.FormatConditions(1).Borders(xlLeft)
.LineStyle = xlContinuous
.TintAndShade = 0
.Weight = xlThin
End With
With Selection.FormatConditions(1).Borders(xlRight)
.LineStyle = xlContinuous
.TintAndShade = 0
.Weight = xlThin
End With
With Selection.FormatConditions(1).Borders(xlTop)
.LineStyle = xlContinuous
.TintAndShade = 0
.Weight = xlThin
End With
With Selection.FormatConditions(1).Borders(xlBottom)
```

```
.LineStyle = xlContinuous
.TintAndShade = 0
.Weight = xlThin
End With
With Selection.FormatConditions(1).Interior
.PatternColorIndex = 0
.Color = 16751052
.TintAndShade = 0
.PatternTintAndShade = 0
End With
Selection.FormatConditions(1).StopIfTrue = False
Range("C5:D5000").Select
Selection.FormatConditions.Add Type:=xlTextString, String=".", _
    TextOperator:=xlContains

Selection.FormatConditions(Selection.FormatConditions.Count).SetFirstPriority

With Selection.FormatConditions(1).Borders(xlLeft)
.LineStyle = xlContinuous
.TintAndShade = 0
.Weight = xlThin
End With
With Selection.FormatConditions(1).Borders(xlRight)
.LineStyle = xlContinuous
.TintAndShade = 0
.Weight = xlThin
End With
With Selection.FormatConditions(1).Borders(xlTop)
.LineStyle = xlContinuous
.TintAndShade = 0
.Weight = xlThin
End With
With Selection.FormatConditions(1).Borders(xlBottom)
.LineStyle = xlContinuous
```

```
.TintAndShade = 0

.Weight = xlThin

End With

With Selection.FormatConditions(1).Interior

.PatternColorIndex = xlAutomatic

.Color = 10079487

.TintAndShade = 0

End With

Selection.FormatConditions(1).StopIfTrue = False

End Sub
```

```
Sub ActualizarHojaResumen()

    Sheets("HOJA RESUMEN").Select

    ActiveSheet.Unprotect ("PASSWORD")

    Range("E5:F129").Select

    Selection.ClearContents

    Dim ContFila As Long

    Dim ContColumna As Long

    Dim ZenbaketaAcciones As String

    PalabraBusqueda = "X"

    UltimaFila      =      Sheets("Factores      Ambientales").Range("F"      &
    Rows.Count).End(xlUp).Row

    UltimaColumna   =   Sheets("Factores   Ambientales").Cells.Find(what:="*",
    After:=Range("A1"),           LookIn:=xlFormulas,           LookAt:=xlPart,
    SearchOrder:=xlColumns,           SearchDirection:=xlPrevious,
    MatchCase:=False).Column

    If UltimaFila < 5 Then
```

```
Exit Sub

End If

If UltimaColumna < 7 Then
    Exit Sub
End If

For ContFila = 5 To UltimaFila
    ZenbaketaAcciones = 0
    For ContColumna = 7 To UltimaColumna
        If Sheets("Factores ambientales").Cells(ContFila, ContColumna)
Like PalabraBusqueda Then
            ZenbaketaAcciones = ZenbaketaAcciones + 1
            Sheets("HOJA RESUMEN").Cells(ContFila, "E") = ZenbaketaAcciones
        End If
    Next ContColumna
Next ContFila

For ContFila = 5 To UltimaFila
    ZenbaketaAcciones = 0
    If Sheets("HOJA RESUMEN").Cells(ContFila, "E") = "" Then
        Sheets("HOJA RESUMEN").Cells(ContFila, "E") = 0
    End If
Next ContFila

UltimaFila = Sheets("Factores Ambientales_MED").Range("F" &
Rows.Count).End(xlUp).Row

UltimaColumna = Sheets("Factores Ambientales_MED").Cells.Find(what:="",
After:=Range("A1"), LookIn:=xlFormulas, LookAt:=xlPart,
SearchOrder:=xlColumns, SearchDirection:=xlPrevious,
MatchCase:=False).Column
```

```
If UltimaFila < 5 Then
    Exit Sub
End If

If UltimaColumna < 7 Then
    Exit Sub
End If

For ContFila = 5 To UltimaFila
    ZenbaketaAcciones = 0
    For ContColumna = 7 To UltimaColumna
        If Sheets("Factores ambientales_MED").Cells(ContFila,
ContColumna) Like PalabraBusqueda Then
            ZenbaketaAcciones = ZenbaketaAcciones + 1
            Sheets("HOJA RESUMEN").Cells(ContFila, "F") = ZenbaketaAcciones
        End If
    Next ContColumna
Next ContFila

For ContFila = 5 To UltimaFila
    ZenbaketaAcciones = 0
    If Sheets("HOJA RESUMEN").Cells(ContFila, "F") = "" Then

        Sheets("HOJA RESUMEN").Cells(ContFila, "F") = 0

    End If

Next ContFila

Sheets("HOJA RESUMEN").Select
ActiveSheet.Protect ("PASSWORD")

MsgBox "Se ha actualizado la HOJA RESUMEN", vbInformation, "Tabla
actualizada"
```

End Sub