



# Demo ERICA mapper

Open Source  
reading Digital Reports

**DIGITAL REPORTING IN EUROPE**

**3-5 JUNE 2025, FRANKFURT**

**Hosted by the European Central Bank**



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*The problem*  
Transform iXBRL (ESEF) reports to ERICA format



# Get the digital report



View and download most of the ESEF Annual Reports at [filings.xbrl.org](https://filings.xbrl.org)

ABOUT

Programme:  Country:  Search:

ENTITY	LANGUAGE	COUNTRY	PERIOD ENDING	DATE ADDED	VIEW
ACERINOX SA	Spanish	ES	2024-12-31	2025-05-08	

**ACERINOX SA** filing to **CNMV** for period ending **31 Dec 2024**



95980020140005582721-20241231-es.zip

18.861 KB



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## *The solution*

Read the iXBRL report as Excel,  
map to ERICA format  
and export






# How to use the tool

Download

<https://www.openfiling.info/>

Downloads (last update 2025-04-11):

- .- Open Source [Tool](#)
- .- [User Manual](#) (mapping tool) and [Technical Reference](#) (ESEF instance / reader)

	ESEF-ERICAmappingtool.1.4.xlsb	1.126 KB
	ESEF-ERICA-mapping-tool-User-manual-v1.4.pdf	494 KB
	easyQC_EN.pdf	1.074 KB

## How to use the tool

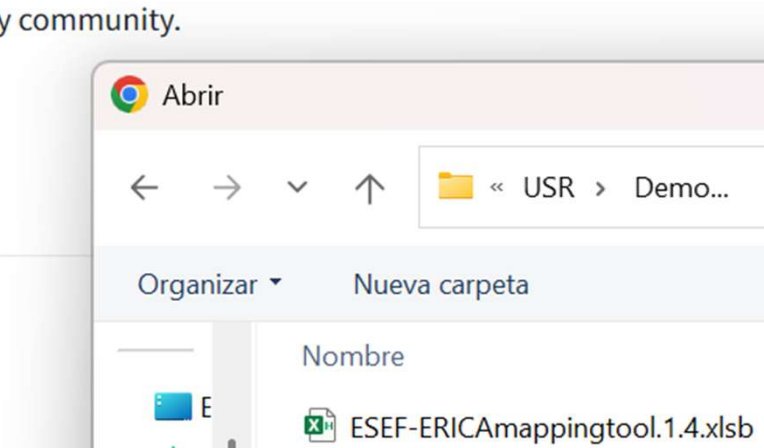


Security first

Analyse suspicious files, domains, IPs and URLs to detect malware and other breaches, automatically share them with the security community.

FILE

URL



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# How to use the tool

Virus Total (Google subsidiary) AI analysis

## Code insights

The VBA code defines a tool for mapping ESEF (European Single Electronic Format) data to an ERICA (internal reporting framework) template. It includes functionalities for importing, applying, exporting, clearing, and deleting mappings between financial facts and CBSO codes.

The code consists of two modules: Module1 and Module2. Module1 handles the core mapping logic, including reading data from Excel sheets, applying mappings based on IFRS and CBSO codes, and writing the results to other Excel sheets following the ERICA template structure. It also allows exporting and importing mappings to and from text files. Module2 is for loading the ESEF report and extracting financial facts and other information.

.....

**But nothing is perfect: 2/66 security vendors flagged this file as malicious (2 false positive: screening required)**





# How to use the tool

Windows security when open the Excel file for first time

The screenshot shows an Excel spreadsheet with a pink security warning bar at the top. The warning bar contains a red shield icon, the text "SECURITY RISK Microsoft has blocked macros from running because the source of this file is untrusted.", and a "Learn More" button. Below the warning bar, the spreadsheet is visible with columns A through F and rows 8 through 12. The content of the spreadsheet is as follows:

	A	B	C	D	E	F
8	If Windows asks for security permission to run Excel macros (as "all the macros may be disabled" or "blocked macros from running"), ple					
9		.- Copy these instructions and close this Excel file.				
10		.- Open "Windows File Explorer" and select this Excel file.				
11		.- Press down on the right-hand button of the mouse and click on "Properties". Click on "Unblock" at the bottom-right.				
12		.- That is all! Open again this Excel file				

Below the spreadsheet, a taskbar shows a file named "ESEF-ERICAmappingtool.1.4.xlsb" with a size of 1.126 KB.

Overlaid on the bottom right is a Windows security dialog box. It has two sections: "Atributos:" with checkboxes for "Solo lectura" and "Oculto", and "Seguridad:" with a message "Este archivo proviene de otro equipo y podría bloquearse para ayudar a proteger este equipo." and a checked checkbox for "Desbloquear". There is an "Avanzados..." button in the top right and three buttons at the bottom: "Aceptar", "Cancelar", and "Aplicar".

At the bottom of the image, there are logos for "eurofiling" and "XBRL | EUROPE".



F1

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fx

CONTENTS

GENERAL CHARACTERISTICS

General characteristics and emplovment

Load ESEF report

File type: .zip .xbri .xhtml .html .htm

Run!

Excel functionality

Report package (.zip .xbri) or Instance document (.xhtml .html .htm) to process

←

→

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«

USR

>

Demo...

↺

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Search DemoMapper\_2025-06...

🔍

Organize

New folder

☰

🇫🇷

?

Name	Date modified	Type
<div>📁</div> <div>95980020140005582721-20241231-es.zip</div>	03/06/2025 6:27	Compressed folder

File name:

95980020140005582721-20241231

.zip or .xbri or .xhtml or .html fil

Tools

Open

Cancel

Please wait while running easyREADER

easyREADER

The ESEF report has been processed successfully!

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	Input path: <b>C:\USR\DemoMapper_2025-06-03\9598002014000558</b>	
	<i>easyREADER version 1.5 update 2025-04-11 as Reader for iXBRL file</i>	
	Entity: <b>95980020140005582721</b>	Language: <b>ES</b>
<b>3</b>	Scale=Thousands, decimal accuracy:	<b>-3</b>
<b>EUR</b>	Currency ISO 4217	<b>Note that fac</b>

## Results

Excel sheet: Facts

6	<b>Id</b>	<b>Name</b>	<b>Fact</b>	<b>PeriodIni</b>	<b>PeriodEn</b>	<b>UnitRef</b>	<b>Statemer</b>
7	f-1	Goodwill	181.482.000		2024-12-31	EUR	210000
8	f-2	Goodwill	51.064.000		2023-12-31	EUR	210000
9	f-3	IntangibleAssetsOtherThanGoodwill	136.433.000		2024-12-31	EUR	210000
10	f-4	IntangibleAssetsOtherThanGoodwill	41.339.000		2023-12-31	EUR	210000
11	f-5	PropertyPlantAndEquipment	1.852.632.000		2024-12-31	EUR	210000
12	f-6	PropertyPlantAndEquipment	1.471.899.000		2023-12-31	EUR	210000
13	f-7	InvestmentProperty	32.067.000		2024-12-31	EUR	210000
14	f-8	InvestmentProperty	9.668.000		2023-12-31	EUR	210000
15	f-9	RightofuseAssets	22.542.000		2024-12-31	EUR	210000
16	f-10	RightofuseAssets	18.851.000		2023-12-31	EUR	210000
17	f-11	InvestmentAccountedForUsingEquityMethod	390.000		2024-12-31	EUR	210000
18	f-12	InvestmentAccountedForUsingEquityMethod	390.000		2023-12-31	EUR	210000

# Results

Excel sheet: 210000

2	<b>[0000001] Balance de situación consolidado</b>					
3	<i>Statement identified as: [210000] Statement of financial position, current/non-current</i>					
4	<b>EUR</b>	Balancedesituacinconsolidado				
5	<b>Concept</b>		<b>2024-12-31</b>	<b>2023-12-31</b>	<b>Qname</b>	
6	Statement of financial position placeholder - this item MUST b				StatementOfFinancialPositionAbstract	
7	Assets				AssetsAbstract	
8	Non-current assets				NoncurrentAssetsAbstract	
9	Goodwill		181.482.000	51.064.000	Goodwill	
10	Intangible assets other than goodwill		136.433.000	41.339.000	IntangibleAssetsOtherThanGoodwill	
11	Property, plant and equipment		1.852.632.000	1.471.899.000	PropertyPlantAndEquipment	
12	Investment property		32.067.000	9.668.000	InvestmentProperty	
13	Right-of-use assets		22.542.000	18.851.000	RightofuseAssets	



# Results

## Notes

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Declaración de conformidad

Estas cuentas anuales consolidadas del Grupo han sido preparadas de acuerdo con lo establecido por las Normas Internacionales de Información Financiera (NIIF) y sus interpretaciones (CINIIF) adoptadas por la Unión Europea (en adelante NIIF-UE) y de conformidad con las demás disposiciones del marco normativo de información financiera aplicable.Como consecuencia de la compra de Haynes, el Grupo ha evaluado sus políticas contables, y se ha asegurado de la aplicación homogénea con las políticas establecidas por el Grupo Acerinox que se detallan en esta nota.Adicionalmente, de acuerdo con las modificaciones introducidas en la

	A	B	C	D	E	F	G	H
6	Notes, accounting policies and mandatory core taxonomy elements placeholder						NotesAccountingPoliciesAndMandatoryTags	
7	Disclosure of general information about financial statements [text block]			NOTAS DE LAS CUENTAS ANUALES CONSOLIDADASNOTA 1 - INFORMACIÓN			DisclosureOfGeneralInformationAboutFinancialStatements	
8	Name of reporting entity or other means of identification			Acerinox, S.A.			NameOfReportingEntityOrOtherMeansOfIdentification	
9	Legal form of entity			Sociedad Anónima			LegalFormOfEntity	
10	Address of entity's registered office			calle Santiago de Compostela, nº 100 de Madrid - España .			AddressOfRegisteredOfficeOfEntity	
11	Domicile of entity			Madrid - España			DomicileOfEntity	
12	Principal place of business			España			PrincipalPlaceOfBusiness	
13	Country of incorporation			España			CountryOfIncorporation	
14	Description of nature of entity's operations and principal activities			la actividad principal del Grupo, que coincide con el objeto social, es la fabricación			DescriptionOfNatureOfEntitysOperationsAndPrincipalActivities	
15	Name of parent entity			Acerinox, S.A.			NameOfParentEntity	
16	Disclosure of authorisation of financial statements [text block]			Formulación: estas cuentas anuales consolidadas han sido formuladas por el			DisclosureOfAuthorisationOfFinancialStatements	
17	Name of ultimate parent of group			Acerinox, S.A.			NameOfUltimateParentOfGroup	
18	Statement of IFRS compliance [text block]			Declaración de conformidad	Estas cuentas anuales consolidadas del Grupo han		StatementOfIFRSCompliance	

# Results

Anchoring

34	Anchoring		File: 95980020140005582721-20241231
35	<b>Wider element</b>		<b>Narrower element</b>
36	OtherInflowsOutflowsOfCashClassifiedAsInvestingActivities		ext:AdquisicionDependienteNetaDeEfectivoAdquirido
37	ChangesInEquity		ext:AdquisicionParticipacionesMinoritariasSociosExternos
38	ChangesInEquity		ext:AjustePorHiperinflacion
39	DisclosureOfSummaryOfSignificantAccountingPoliciesExplanatory		ext:DescripcionDeLaPoliticaContableParaLaClasificacionDeAc
40	EquityAttributableToOwnersOfParent		ext:DividendoACuenta
41	IncreaseDecreaseThroughTransactionsWithOwners		ext:DividendosACuenta
42	AdjustmentsForReconcileProfitLoss		ext:ImputacionDeSubvenciones
43	OtherInflowsOutflowsOfCashClassifiedAsInvestingActivities		ext:OtrosCobrospagosPorDesinversiones
44	BasicEarningsLossPerShare		ext:PerdidasTotalesPorAccionBasicasYDiluidas
45	AdjustmentsForReconcileProfitLoss		ext:ResultadoPorEnajenacionDeInstrumentosFinancieros
46	DisclosureOfNotesAndOtherExplanatoryInformationExplanatory		ext:RevelacionDeActivosFinancierosAValorRazonableConCam
47	DisclosureOfNotesAndOtherExplanatoryInformationExplanatory		ext:RevelacionDeLosDerechosDeEmisionTextBlock
48	DisclosureOfNotesAndOtherExplanatoryInformationExplanatory		ext:RevelacionDelPeriodoMedioDePagoAProveedoresTextBlo
49	DisclosureOfNotesAndOtherExplanatoryInformationExplanatory		ext:RevelacionDelRiesgoDelCambioClimaticoTextBlock
50	DisclosureOfFinancialRiskManagementExplanatory		ext:RevelacionDelRiesgoGeopolitico



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# Results

Linkbases

54	<b>Presentation linkbase</b>			<b>[0000001] Balance de situación con</b>
55	Balancedesituacinconsolidado			File: 9598002014
56	<i>Statement identified as: [210000] Statement of financial position, current/non-current</i>			
57	<b>Pref.Label</b>		<b>Indent</b>	<b>Element</b>
58			Root	StatementOfFinancialPositionAbstract
59			1	AssetsAbstract
60			2	NoncurrentAssetsAbstract
61			3	Goodwill
62			3	IntangibleAssetsOtherThanGoodwill
63			3	PropertyPlantAndEquipment
64			3	InvestmentProperty
65			3	RightofuseAssets
66			3	InvestmentAccountedForUsingEquity
67			3	NoncurrentFinancialAssetsMeasurements
68			3	DeferredTaxAssets
69			3	OtherNoncurrentFinancialAssets
70	totalLabel		3	NoncurrentAssets
71			2	CurrentAssetsAbstract



# Mapping

Customize, apply mapping and export SIK file

	A	B
1		
2	<b>CBSO code</b> ▼	<b>IFRS mapping option 1</b> ▼
4	G019	NameOfReportingEntityOrOther MeansOfIdentification
5	G002	
6	G029	
7	G012	CountryOfIncorporation
8	G020	NameOfUltimateParentOfGroup
9	G0200	
10	G003	DescriptionOfNatureOfFinancialStatements
11	G004	
12	G005	
13	G0061	PeriodCoveredByFinancialStatements

H	I	J	K	L
Fine-tuning area				
Absolute value adjustment [current]	Absolute value adjustment [previous]	IFRS - Fine Tuning Area Comment ▼	Apply mapping	
ESEF-ERICA mapping tool ×				
<div> <i>i</i> The mapping has been applied successfully!         </div>			Import mapping	
ESEF-ERICA mapping tool ×			Export mapping	
<div> <i>i</i> The ERICA SIK file has been created successfully!         </div>			Clear mapping	
			Delete mapping	
<div>Aceptar</div>			Export SIK	



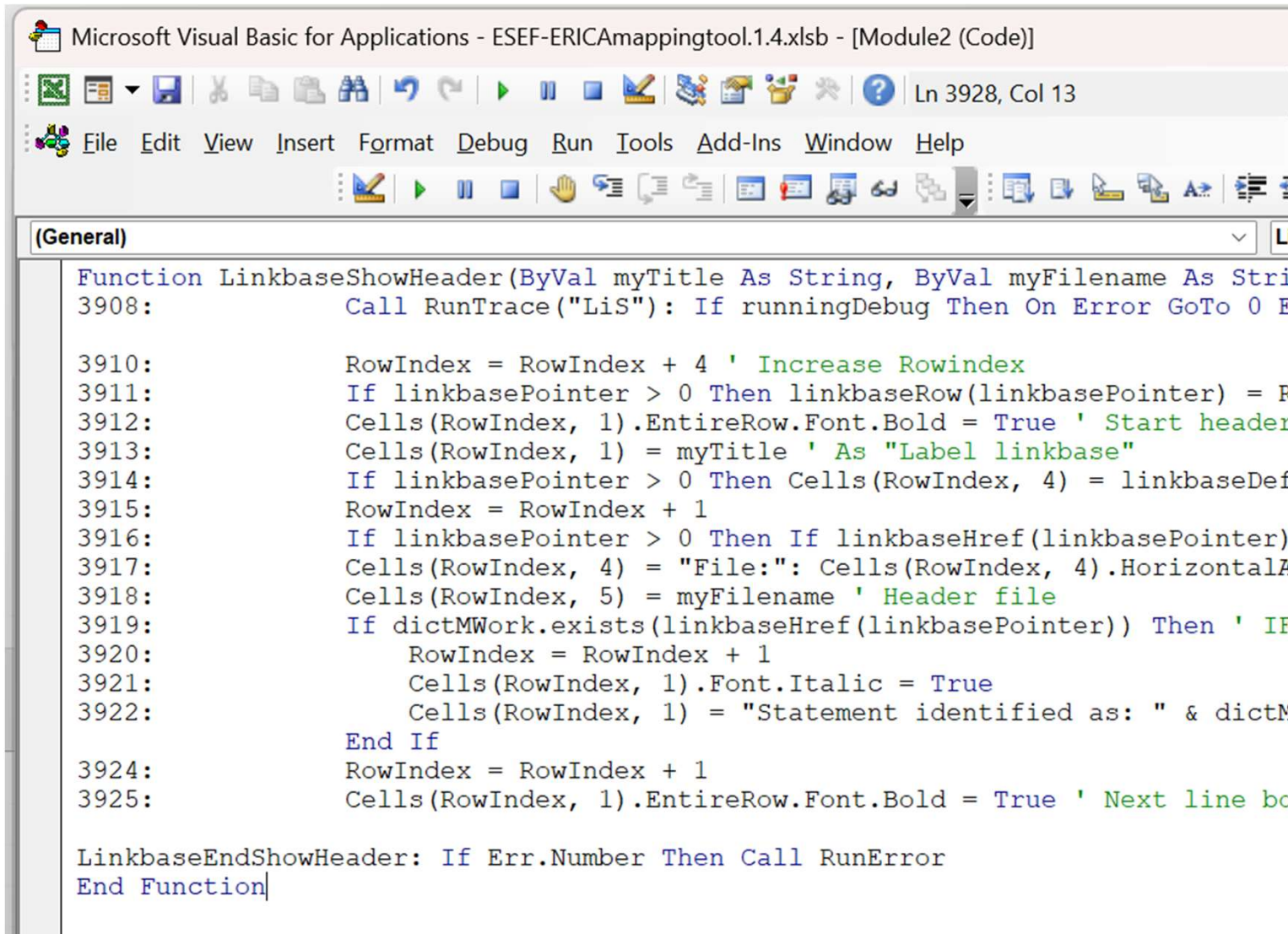
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# Exported SLK file

ERICA format

	C	D	E	F	G	H	I
3	NAME OF REPORTING ENTITY:						
4	Acerinox, S.A.						
5							
6							
7	LIABILITIES AND EQUITY	IFRS Paragraph		XBRL Taxonomy	CBSO code	Thousands Period Current	Previous
8							
9							
10	I. EQUITY, TOTAL	1.55 CP, 1.78e		IFRS	50_56	2.575.071	2.463.126
11							
12	A. Equity attributable to owners of parent and other holders of equity instruments			IFRS	50_55_569	2.532.908	2.412.587
13							
14	A1. Equity attributable to owners of parent	1.54.r		IFRS	50_55	2.527.317	2.408.430
15							
16	1. Share capital	1.54.r, 1.78.e		CBSO-RF	50	62.334	62.334
17							
18	2. Share premium	1.77, 1.78.e		IFRS	51	268	268
19							



```
Microsoft Visual Basic for Applications - ESEF-ERICAmappingtool.1.4.xlsb - [Module2 (Code)]
Ln 3928, Col 13
File Edit View Insert Format Debug Run Tools Add-Ins Window Help

(General)
Function LinkbaseShowHeader(ByVal myTitle As String, ByVal myFilename As String)
3908:    Call RunTrace("LiS"): If runningDebug Then On Error GoTo 0 Exit Sub
3910:    RowIndex = RowIndex + 4 ' Increase Rowindex
3911:    If linkbasePointer > 0 Then linkbaseRow(linkbasePointer) = RowIndex
3912:    Cells(RowIndex, 1).EntireRow.Font.Bold = True ' Start header
3913:    Cells(RowIndex, 1) = myTitle ' As "Label linkbase"
3914:    If linkbasePointer > 0 Then Cells(RowIndex, 4) = linkbaseDef
3915:    RowIndex = RowIndex + 1
3916:    If linkbasePointer > 0 Then If linkbaseHref(linkbasePointer) <> "" Then
3917:        Cells(RowIndex, 4) = "File:": Cells(RowIndex, 4).HorizontalAlign = xlCenter
3918:        Cells(RowIndex, 5) = myFilename ' Header file
3919:        If dictMWork.exists(linkbaseHref(linkbasePointer)) Then ' IF
3920:            RowIndex = RowIndex + 1
3921:            Cells(RowIndex, 1).Font.Italic = True
3922:            Cells(RowIndex, 1) = "Statement identified as: " & dictMWork(linkbaseHref(linkbasePointer))
3923:        End If
3924:        RowIndex = RowIndex + 1
3925:        Cells(RowIndex, 1).EntireRow.Font.Bold = True ' Next line bold
3926:    End If
LinkbaseEndShowHeader: If Err.Number Then Call RunError
End Function
```

# Open Source

Excel macros (VBA)

3928 lines Reader

1696 lines lite version  
showing facts only

1724 lines mapper

# Project story

Technical developers: Javier Mora, Ignacio Boixo

The project is a contribution of Eurofiling Foundation and XBRL Spain to [ERICA WG](#) (*European Records of IFRS Consolidated Accounts*), European Committee of Central Balance Sheet Data Offices ([ECCBSO](#)).



This project started on July 5th 2021, with a public call in the event [ESEF mapping challenge](#).

The go live was December 7th 2021 at the event [Extending ESEF opportunities](#)

Version 1.5 with (full Open Source) released June 11<sup>th</sup> 2025 and presented at [Digital Reporting in Europe](#)





# Thanks for your attention

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