Wikiprint Book

Title: Run Ecopath Console Example

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Table of Contents

Run Ecopath Console Example

3

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In this example a simple console application is examined that performs the very basic steps needed to work with the Ecopath code: loading a model, running Ecopath, and extracting a value from the Ecopath results. It is assumed that you have access to the Ecopath source code.

i. Open Visual Studio/Visual? Studio Express and open the file

[EcopathLocation]\Ecopath6\Sources\EwETutorials\EwEConsoleAppExample\EwEConsoleAppExample.sIn

Organize 🔻 🛛 🚧 Op	en	 New folder 		•==	. ?
🔆 Favorites	•	Name	Date modified	Туре	Size
퉬 Ecopath		鷆 My Project	9/7/2009 6:43 PM	File folder	
퉬 ServerBin		Baltic.EwEmdb	9/2/2009 11:35 PM	Ecopath with Ecosi	1,94
퉬 ClientBin	=	🔳 EwE7.vb	9/7/2009 9:36 PM	VB File	
퉬 Projects		🕞 EwEConsoleAppExample.sln	9/7/2009 6:45 PM	Microsoft Visual St	
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膧 Desktop		🔞 EwEConsoleAppExample.vbproj	9/7/2009 9:57 PM	Visual Basic Project	
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Run the application by hitting F5 or Debug>Start Debugging in the menu. One should see the following written in the console:

Group 'Spring phytopla' EE estimated to 0.2006739 Press a key to exit i. To see the code, find the solution explorer on the right and browse to the file EwE7.vb as seen below.

	View Project Build Debug Data Tools Window Help			
	! - ፼ ∅ ∦ № № № № ≌ 9 - 0 - Ø - Ø - ₽ 1			
EwE7.	vb	- >	× Solution Explorer - Solution 'Ew → ₽	
🔆 EwE	7 👻 🕬 Main			
	Required external libraries	+ Jointion 'EwEConsoleAppExample		
	mports EwECore		EwEConsoleAppExample	
Im	mports EwECore.DataSources			
Im	mports EwEUtils	Baltic.EwEmdb		
In	mports EwEUtils.Core	EwE7.vb		
		EweCore		
⊟ Mo	odule EwE7	EwEPlugin		
		:	EWEUtils	
	' Main Sub routine called when program is ru	un.		
딘	Sub Main() Dim core As New cCore()	' (1) Define core and databa		
	Dim ds As IEwEDataSource = cDataSourceF			
	Dim us As inwidatabource - chatabourcer(accory.create(enatabourcerypes.Ac)		
	ds.Open("baltic.ewemdb", core)	' (2) Open the database call	< III	
		(1) open one accurace one	Solution Explorer 🛜 Data Sources	
	core.InitCore()	' (3) Tells the core to do s	Properties 7	
	core.LoadModel(ds)			
	core.RunEcoPath()	' (4) Runs Ecopath	EwE7.vb File Properties	
		' (5) Writes to the console [.]		
	Console.WriteLine("Group '" & core.EcoPa	Build Action Compile		
	" EE estimated to " &	Change New		
	core.CloseModel()	' (6) Tells the model to shu	Change List	
	Console.WriteLine("Press a key to exit")) I White and ask the year to I	Copy to Output D Do not copy	
	Console.WriteLine("Press a key to exit", Console.ReadKey()	, waits and ask the user to i	Custom Tool	
	End Sub		Change	
			-	
•	III	۲.		
	Symbol Results 🐊 Error List 📑 Pending Changes			