## **Run Ecopath Console Example**

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

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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.

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		Solution Explorer - Solution 'Ew   ₽	
EwE7.vb		- ×	• · · · · · · · · · · · · · · · · · · ·
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I Re	equired external libraries		+ Solution 'EwEConsoleAppExampl
	orts EwECore	·	EwEConsoleAppExample
-	orts EwECore.DataSources	Γ	
Impo	orts EwEUtils		Baltic.EwEmdb
Impo	orts EwEUtils.Core	EwE7.vb	
			EwECore
🖂 Modi	ule EwE7	🖶 🖶 🖉 EwEPlugin	
		E	EwEUtils
	' Main Sub routine called when program is	run.	
卓	Sub Main()		
	Dim core As New cCore()	' (1) Define core and databa:	
	Dim ds As IEwEDataSource = cDataSource	Factory.Create (eDataSourceTypes.AC	
	ds.Open("baltic.ewemdb", core)	' (2) Open the database call	
	ds.open("baltic.ewemdb", core)	(2) Open the database call	Solution Explorer 🛜 Data Sources
	core.InitCore()	' (3) Tells the core to do s	
	core.LoadModel(ds)	(3) TETTE SHE SOLE SS 45 5.	Properties 🗸 🖓
	core.RunEcoPath()	' (4) Runs Ecopath	EwE7.vb File Properties
		' (5) Writes to the console '	
	Console.WriteLine("Group '" & core.Eco	PathGroupOutputs(1).Name & "'" &	Build Action Compile
	" EE estimated to "	Change New	
	core.CloseModel()	' (6) Tells the model to shu	Change List
			Copy to Output D Do not copy
	Console.WriteLine("Press a key to exit	") 'Waits and ask the user to 1	Custom Tool
	Console.ReadKey()		Change
-	End Sub		e Change
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	mbol Results 🐊 Error List 📑 Pending Changes		