



TinyNorthCyprus

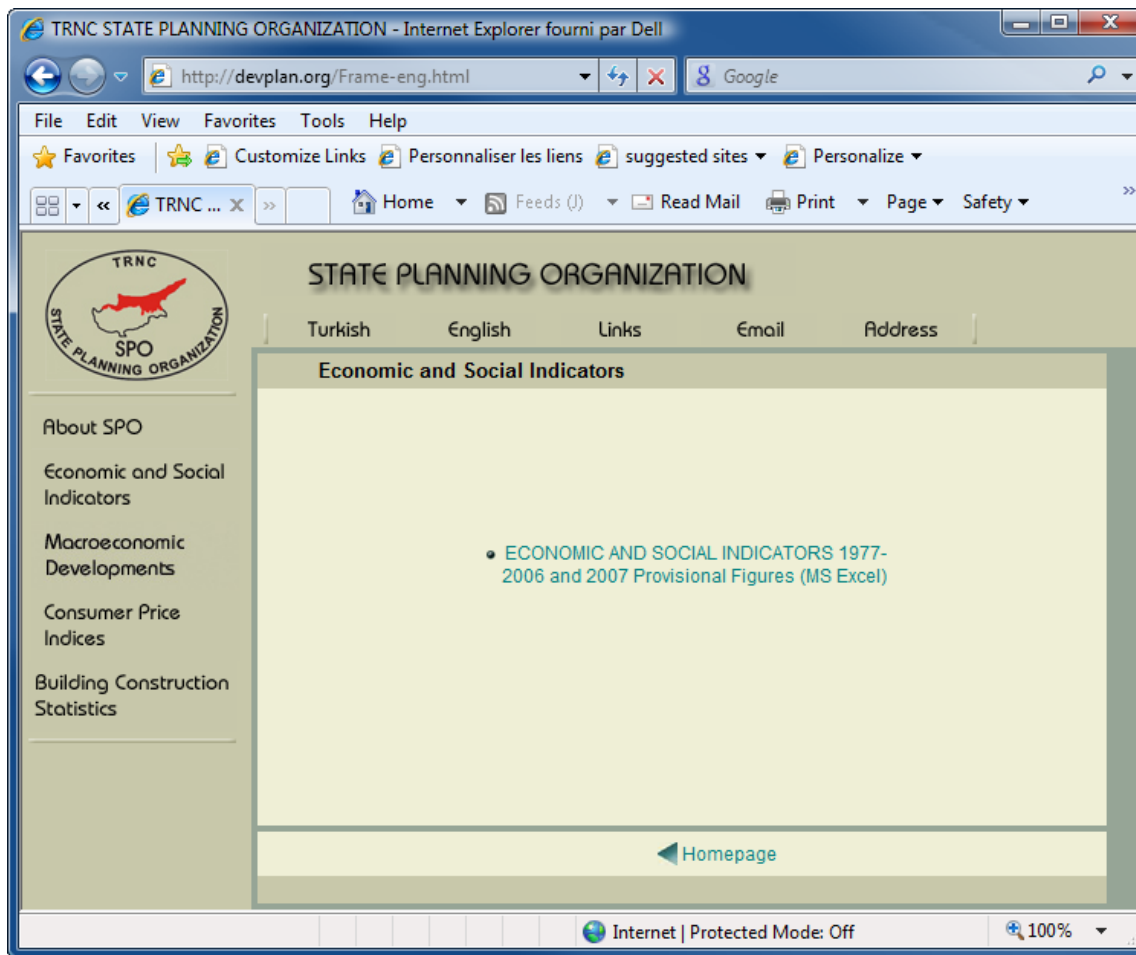
First steps to build an Inforum model (a new test)

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Bis repetita placent

- To build TinyNorthCyprus, we follow the same method with the one used for TinyTurk.
- But, the method is not exactly the same.
 - We have a new problem with the data :
 - We have no Input-Output Table but Use and Supply data.
- Some tools quickly made for TinyTurk are improved in TinyNorthCyprus.
- A new research area appears:
 - Could we automate building model in the case of a ESA 95 framework ?
 - What can be automated ? What cannot be ?

Data Sources



Data sources

- Use and Supply Tables, Current prices, Basic Prices
 - The tables come from **Directorate of Statistics and Research Department**
- The Input-Output Tables
 - To build the Input-Output Table From the Use and Supply Tables, we receive the help of TurkStat.

A special thank to Mehmet KULA, who gives the possibility to have a serious help to pass from use and supply tables to Input-Output tables

Some Data Problems

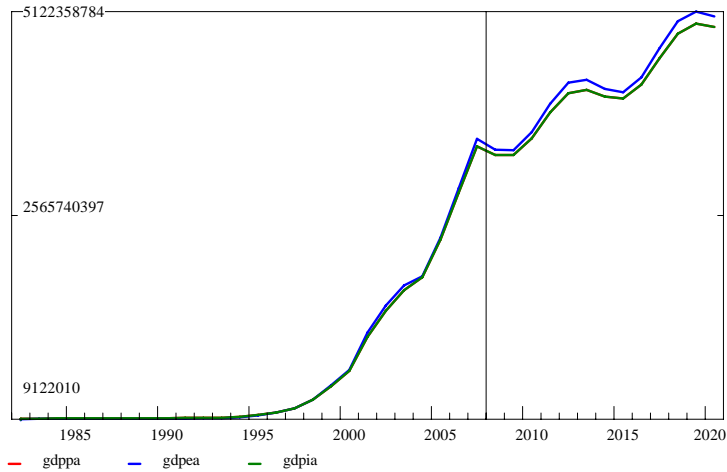
- The TinyNorthCyprus model was built in a week. Of course, a lot of files were nearly ready or have to be marginally modified
- But we have not taken a lot of time to examine the contents of the data of the Input-Output table.
- For example, Investment by sectors is equal to zero for most of the sectors.
- We shall see these problems later.

TinyNorthCyprus

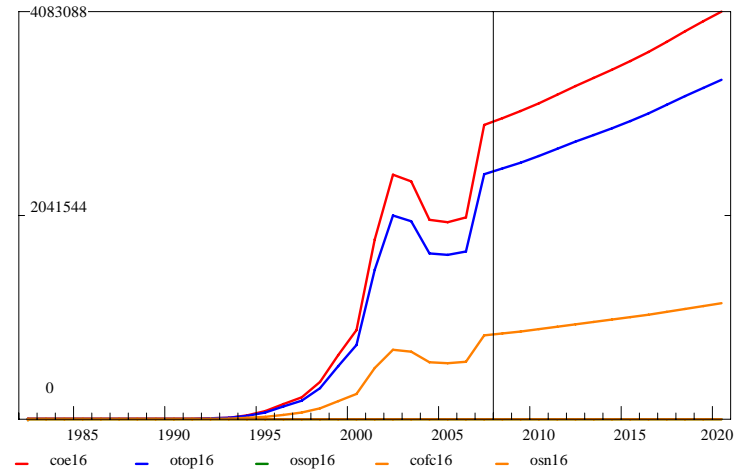
- TinyNorthCyprus is in ESA 95 framework
- TinyNorthCyprus is a 63 sectors model
- The code to run the whole model (From data to table) is [here](#)
- The code of the model is available [here](#)

Some results ...

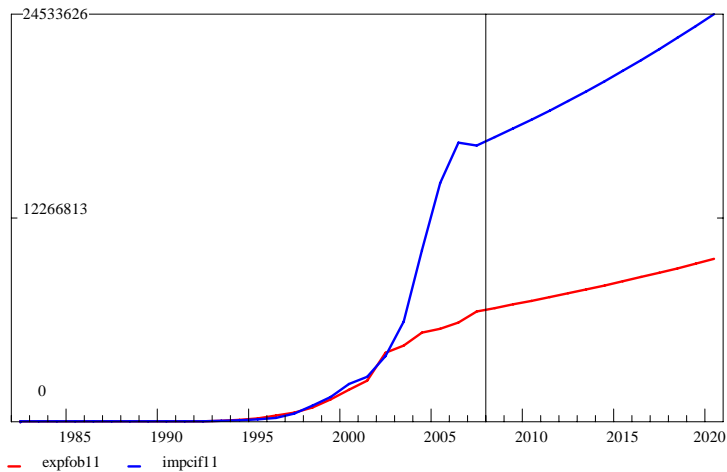
Turkish Republic of Northern Cyprus
GDP by Production, by Expenditure and by Income



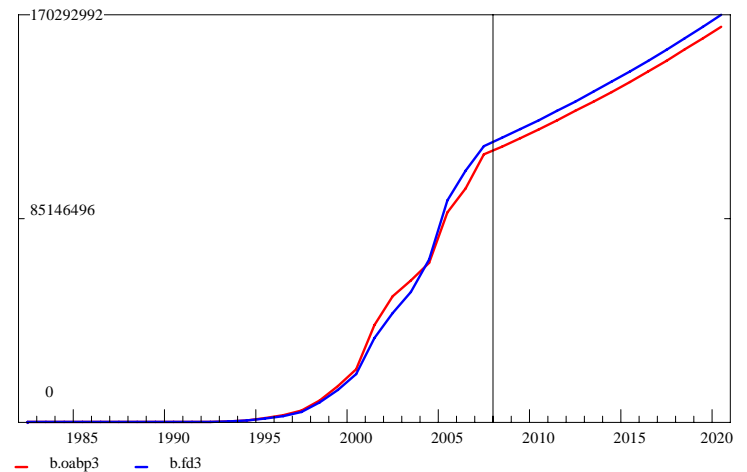
16 - Manufacture of soft drinks; production of mineral waters
Components of Value Added



- Manufacture of grain mill products, starches and starch products
Exports and Imports



3 - Growing of fruit, nuts, beverage and spice crops
Output and Final demand



Conclusion

Negative

- Problem of data
- Which future for the island : reunification ?

Positive

- The basic work has been done
- Improvement of the National Accounts Framework

- It appears difficult to built in a near future an Inforum model for North Cyprus.
- But it is time to work with authorities to prepare the Framework of the national accounts useful for our model.

Some more time...

- Like a lazy man, we do not want to rewrite all the files which contain the input of all the basic files of a model (Vam.cfg, *.ttl, etc.)
- We began thinking of method to automate the building of the compulsory basic files.
- You will find in the next slides some previous works using MS Excel.

Automation - Acronyms

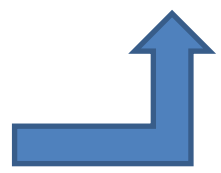
- We receive Ms Excel files
- Titles of rows and columns can be copied
- Using Text function in MS excel, we can automate the creation of all the acronyms
- As the National accounts framework is the same for Turkey and North Cyprus, we have the possibility to write an Excel Macro or an add-on to do the job.

An example

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
9						pup	prp											
10																		
11	ic		1			63												
12			FM			icraprp	fcebh	fcebnpish	fcebgov	fce	gfcf	civ	cii	civ	gcf	expfob	tfuabp	tuabp
13	1		ic 1, 1	...	ic 1, 63	icraprp1	fcebh1	fcebnpish1	fcebgov1	fce1	gfcf1	civ1	cii1	civ1	gcf1	expfob1	tfuabp1	tuabp1
14			...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	63		ic 63, 1	...	ic 63, 63	icraprp63	fcebh63	fcebnpish63	fcebgov63	fce63	gfcf63	civ63	cii63	civ63	gcf63	expfob63	tfuabp63	tuabp63
16	tot	iccaprp	iccaprp1	...	iccaprp63	ictot	fcebhhtot	fcebnpishtot	fcebgovtot	fctetot	gfcftot	civtot	ciitot	civtot	gcfot	expfobtot	tfuabptot	tuabptot
17	ictot	tlsop	tlsop1	...	tlsop63	tlsopictot	fcebhhtsop	fcebnpishsop	fcebgovsop	fctetsop	gfcftsop	civtsop	ciitsop	civtsop	gcfotsop	expfobtsop	tfuabptsop	tuabptsop63
18	tot	icacup	icacup1	...	icacup63	icacuptot	fcebhhtotup	fcebnpishtotup	fcebgovtotp	fctetotup	gfcftotup	civtotup	ciitotup	civtotup	gcfotup	expfobtotup	tfuabptotup	tuabptotup
19	tot	coe	coe1	...	coe63	coetot												
20	tot	ontop	ontop1	...	ontop63	ontoptot												
21	tot	otop	otop1	...	otop63	otoptot												
22	tot	osop	osop1	...	osop63	osoptot												
23	tot	cofc	cofc1	...	cofc63	coftot												
24	tot	osn	osn1	...	osn63	osntot												
25	tot	osg	osg1	...	osg63	osgtot												
26	tot	vaabp	vaabp1	...	vaabp63	vaabptot												
27	tot	oabp	oabp1	...	oabp63	oabptot												
28	tot	impcif	impcif1	...	impcif63	impciftot												
29	tot	sabp	sabp1	...	sabp63	sabptot												
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Results of functions



Use of function « concatenate »

Vam.cfg automation ?

12	15		ErrorProducts	Products	ErrorVam	VAM
	1	Growing of cereals and other crops n.e.c	Ok	GroCerOCrops		
	2	Growing of vegetables, horti-cultural specialties and nursery prod.	Ok	GroVegHCSNur		
	3	Growing of fruit, nuts, beverage and spice crops	Ok	GroFruNuBeSp		
	4	Farming of animals	Ok	FarmAnimals		
	5	Forestry	Ok	Forestry		
	6	Fishing	Ok	Fishing		
	7	Quarrying of stone,sand and clay	Ok	QuarryStSaCl		
	8	Production, processing and preserving of meat and meat products	Ok	Meat		
	9	Oils and fats, processing and preserving of fruit, vegetables and fish products	Ok	OilsAndFats		
	10	Manufacture of dairy products	Ok	Dairy		

Column
S

FM	63	63	products.ttl	products.ttl	#	Input-Output Flow Matr
AM	63	63	products.ttl	products.ttl	#	Input-Output Coefficient I
LINV	63	63	products.ttl	products.ttl	#	Leontief Inverse Matrix
=Column!G66	63	0	products.ttl		#	=Column!C66
=Column!G67	63	0	products.ttl		#	=Column!C67
=Column!G68	63	0	products.ttl		#	=Column!C68
=Column!G69	63	0	products.ttl		#	=Column!C69
=Column!G70	63	0	products.ttl		#	=Column!C70
=Column!G71	63	0	products.ttl		#	=Column!C71
=Column!G72	63	0	products.ttl		#	=Column!C72
=Column!G73	63	0	products.ttl		#	=Column!C73
=Column!G74	63	0	products.ttl		#	=Column!C74
=Column!G75	63	0	products.ttl		#	=Column!C75
=Column!G76	63	0	products.ttl		#	=Column!C76
=Column!G77	63	0	products.ttl		#	=Column!C77
=Column!G78	63	0	products.ttl		#	=Column!C78
=Column!G79	63	0	products.ttl		#	=Column!C79
=Row!G66	63	0	products.ttl		#	=Row!C66
=Row!G67	63	0	products.ttl		#	=Row!C67
=Row!G68	63	0	products.ttl		#	=Row!C68
=Row!G69	63	0	products.ttl		#	=Row!C69
=Row!G70	63	0	products.ttl		#	=Row!C70
=Row!G71	63	0	products.ttl		#	=Row!C71
=Row!G72	63	0	products.ttl		#	=Row!C72
=Row!G73	63	0	products.ttl		#	=Row!C73
=Row!G74	63	0	products.ttl		#	=Row!C74
=Row!G75	63	0	products.ttl		#	=Row!C75
=Row!G76	63	0	products.ttl		#	=Row!C76
=Row!G77	63	0	products.ttl		#	=Row!C77
=Row!G78	63	0	products.ttl		#	=Row!C78
y	63	0	products.ttl		#	Working Space
fix	200	0			#	Fixes

Specific
case

12	16		ErrorProducts	Products
	1	Growing of cereals and other crops n.e.c	Ok	GroCerOCrops
	2	Growing of vegetables, horti-cultural specialties and nursery prod.	Ok	GroVegHCSNur
	3	Growing of fruit, nuts, beverage and spice crops	Ok	GroFruNuBeSp
	4	Farming of animals	Ok	FarmAnimals
	5	Forestry	Ok	Forestry
	6	Fishing	Ok	Fishing
	7	Quarrying of stone,sand and clay	Ok	QuarryStSaCl
	8	Production, processing and preserving of meat and meat products	Ok	Meat
	9	Oils and fats, processing and preserving of fruit, vegetables and fish products	Ok	OilsAndFats

Row
S

12	16		ErrorProducts	Products
	1	Growing of cereals and other crops n.e.c	=SI(NBCAR(E3)>\$A\$1;NBCAR(E3);"Ok")	GroCerOCrops
	2	Growing of vegetables, horti-cultural specialties and nursery prod.	=SI(NBCAR(E4)>\$A\$1;NBCAR(E4);"Ok")	GroVegHCSNur
	3	Growing of fruit, nuts, beverage and spice crops	=SI(NBCAR(E5)>\$A\$1;NBCAR(E5);"Ok")	GroFruNuBeSp
	4	Farming of animals	=SI(NBCAR(E6)>\$A\$1;NBCAR(E6);"Ok")	FarmAnimals
	5	Forestry	=SI(NBCAR(E7)>\$A\$1;NBCAR(E7);"Ok")	Forestry
	6	Fishing	=SI(NBCAR(E8)>\$A\$1;NBCAR(E8);"Ok")	Fishing
	7	Quarrying of stone,sand and clay	=SI(NBCAR(E9)>\$A\$1;NBCAR(E9);"Ok")	QuarryStSaCl
	8	Production, processing and preserving of meat and meat products	=SI(NBCAR(E10)>\$A\$1;NBCAR(E10);"Ok")	Meat
	9	Oils and fats, processing and preserving of fruit, vegetables and fish products	=SI(NBCAR(E11)>\$A\$1;NBCAR(E11);"Ok")	OilsAndFats

Rows /CTRL+3

Test the length of the

