

A policy intelligence tool for regional innovation policy



www.impactscan.net

IMPACTSCAN

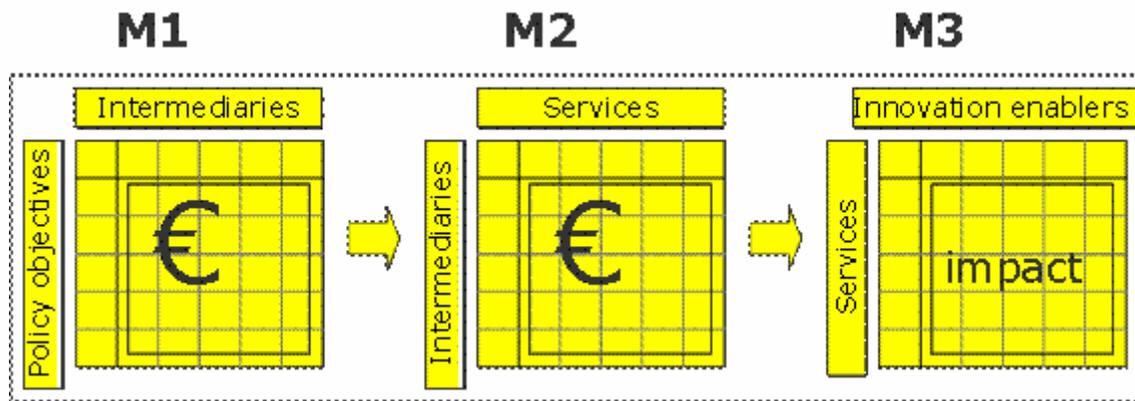
- Provides a *method and tool*
 - for regional policy-makers
 - to analyze and evaluate
 - the impact of the regional innovation policy
- Developed and tested by 7 agencies dealing with innovation policy
- Focus is on the impact of the regional innovation intermediaries on the innovation performance of the firms



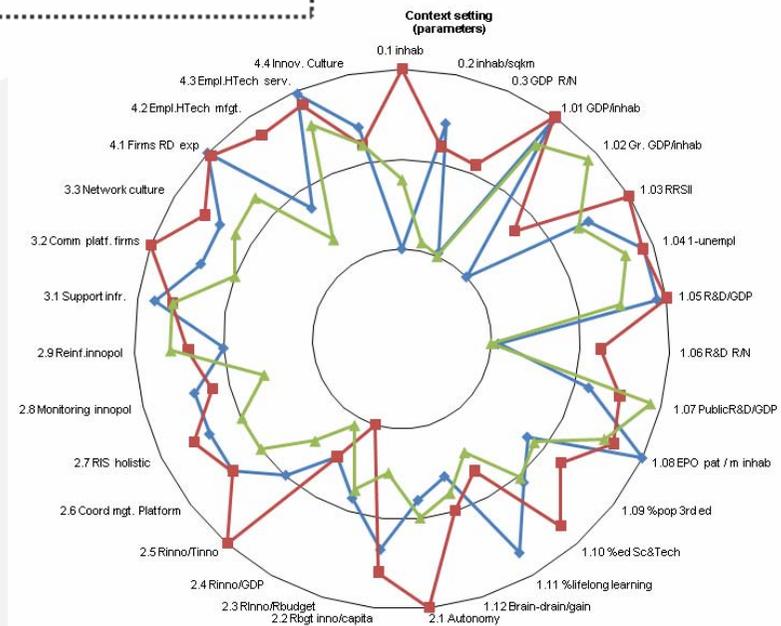
The Method

IMPACTSCAN includes 2 elements

1. A matrix model to quantify and analyse regional innovation policy;



2. Context setting information to describe regional environment for innovation.



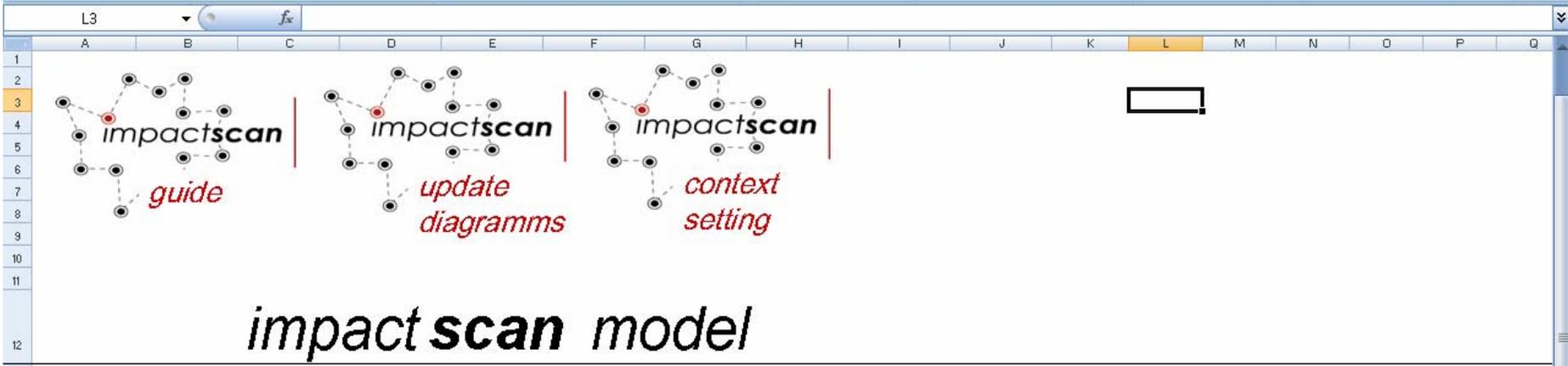


The Tool

How does it work

- The data of three matrices (M1, M2, M3) is
 - encoded in a standard Microsoft Excel application
 - to generate visual presentations.
- Graphical presentations of M1, M2 and M3 in
 - absolute numbers (€) as well as
 - % of regional innovation budget are included in the standard IMPACTSCAN tool.
- As the application is standard MS-Excel, the user of the IMPACTSCAN tool can easily modify the features of graphs (axis, regions to visualize, variables to visualize).
- An interactive Users Guide explains method and tool.

Microsoft Excel ribbon: Home, Insert, Page Layout, Formulas, Data, Review, View. Includes tabs for Clipboard, Font, Alignment, Number, Styles, Cells, and Editing.



the regions:

Region 1 **Region 2** **Region 3** **Region 4**

Region 6 **Region 5** **Region 7**

DATA SUMMARY

POLICY OBJECTIVES - EXPENDITURE (€)	Region 1	Region 2	Region 3	Region 4	Region 6	Region 5	Region 7
Enhancement of the firms innovation capacity	11.729.010	157.523.866	11.505.000	14.402.203	1.812.000	9.966.726	46.389.000
Cooperation among firms	1.987.000	31.252.549	5.900.000	783.562	1.213.917	9.036.217	9.040.000
Increase in availability of technology	1.861.260	13.797.266	15.750.000	2.484.977	1.539.402	24.915.940	3.678.000
Development of international presence	4.927.200	9.748.631	2.630.000	1.056.333	122.062	7.493.651	4.118.000
Creation of new technology-based firms	10.212.000	9.056.200	9.325.000	8.916.311	0	7.618.348	6.735.000
Total	30.716.470	221.378.512	45.110.000	27.643.386	4.687.381	59.030.881	69.960.000

DEVIATIONS	M1	M2	M1M2	M1 - M2	M1 - M1M2
Region 1	30.716.470	30.716.470	0	0	30.716.470
Region 2	221.378.512	221.383.612	0	-5.100	221.378.512
Region 3	45.110.000	45.110.000	45.110.000	0	0
Region 4	27.643.386	27.643.386	27.643.386	0	0
Region 6	4.687.381	4.687.381	4.687.370	1	11
Region 5	59.030.881	59.030.881	59.030.881	0	0
Region 7	69.960.000	69.960.000	69.960.000	0	0
sum	458.526.630	458.531.730	206.431.637	-5.099	252.094.993
MIN	0	186.117	751.966		
MEAN	65.607.181	65.504.533	41.286.327		
MAX	291.555.879	315.755.666	130.641.580		

Users Guide

The screenshot shows a web browser window displaying the Impactscan Users Guide website. The browser's address bar is empty, and the taskbar at the top shows various application icons. The website layout includes a navigation menu on the left, a main content area with a welcome message and links, and a footer with several logos.

Navigation Menu (Left):

- [Home](#)
- [Project Summary \(pdf\)](#)
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- [Matrix System Overview](#)
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- [Context Setting](#)
- [Interpretation of results](#)
- [Survey Example](#)

Main Content Area:

IMPACTSCAN
A policy intelligence tool for regional innovation policy

USERS GUIDE

Welcome to the Impactscan Users Guide Website

On this site you'll find all the information to understand and start using the Impactscan tool for regional policy assessment.

More information about the Impactscan project can be found on : www.impactscan.net or [download the summary document](#)

Do not hesitate to [contact](#) us if you need help.

Use the navigation buttons on the left to find the information you need.

The [table of contents](#) provides an overview of all the sections in this User Guide.

You can also print the information on this site by [downloading the Users Guide](#)

Footer Logos:

- iwt
- BRETAGNE INNOVATION
- N
- miod
- SVA tens
- Logo of the French Republic
- Logo of the Polish Government
- Logo of the European Union

Data Entry (Matrices)



2	Please fill in all green cells; if data are not available, please leave the respective cell empty													
3														
4	M1	Relevant Innovation Budget [in EURO]												
5														
6	Intermediary types	Scientific/ Technology parks	Service centres	RTD Institutions	Business associations	Economic development organisations	Public-private Financial partnerships	Administratio	Total Budget / Policy objective	Start up support				
7	Enhancement of the firms innovation capacity	600.000	5.798.835	8.022.325	424.529	9.076.177	0	133.602.000	157.523.866					
8	Cooperation among firms	675.000	0	3.886.725	1.698.115	8.108.709	0	16.884.000	31.252.549					
9	Increase in availability of technology	0	7.049.235	938.031	0	0	0	5.810.000	13.797.266					
10	Development of international presence	0	0	887.631	0	6.641.000	0	2.220.000	9.748.631					
11	Creation of new technology-based firms	875.000	833.600	345.600	0	180.000	0	6.822.000	9.056.200					
12	Total Budget / Intermediary type	2.150.000	13.681.670	14.080.313	2.122.644	24.005.886	0	165.338.000	221.378.512	0				
13	M1 General comments													
14														
15														
16														
17														
18	M2	Relevant Innovation Budget [in EURO]												
19														
20	Service types	Contact Generating – awareness-raising	Access to Information	Advice	Technology services	Project Management	Networking / Clustering	Human Resources	Access to Finance	Incubating Services	Finance	Infrastructure	Total Budget / Intermediary type	Start up support
21	Scientific/ Technology parks	0	0	0	0	0	0	0	0	1.000.000	0	1.150.000	2.150.000	
22	Service centres	1.049.657	5.098.275	1.268.347	5.484.000	447.466	127.330	0	206.594	0	0	0	13.681.670	
23	RTD Institutions	799.688	3.885.938	968.750	5.720.000	341.563	96.875	0	157.500	0	0	2.110.000	15.831.670	
24	Business associations	223.611	1.224.130	459.721	0	146.166	16.886	0	52.131	0	0	0	2.122.644	
25	Economic development organisations	1.119.887	7.988.243	1.599.788	2.841.000	825.667	929.796	6.629.000	1.092.505	0	980.000	0	24.005.886	
26	Public-private Financial partnerships	0	0	0	0	0	0	0	0	0	0	0	0	
27	Administration	0	0	0	5.950.000	0	0	0	0	0	159.393.100	0	165.343.100	
28	Total Budget / Service type	3.192.843	18.196.584	4.296.606	19.995.000	1.760.862	1.170.888	6.629.000	1.508.730	1.000.000	160.373.100	3.260.000	221.383.612	0
29	M2 General comments													
30														
31														
32														
33														
34	M3 (transpose)	Impact score of the respective service category on the innovation enabler (as average) [0= no influence ... 5= very high influence]												
35														
36	Service types	Contact Generating –	Access to	Technology	Project	Networking /	Human	Access to	Incubating	Mean Score /			Start up	

Data Entry Example Matrix 1

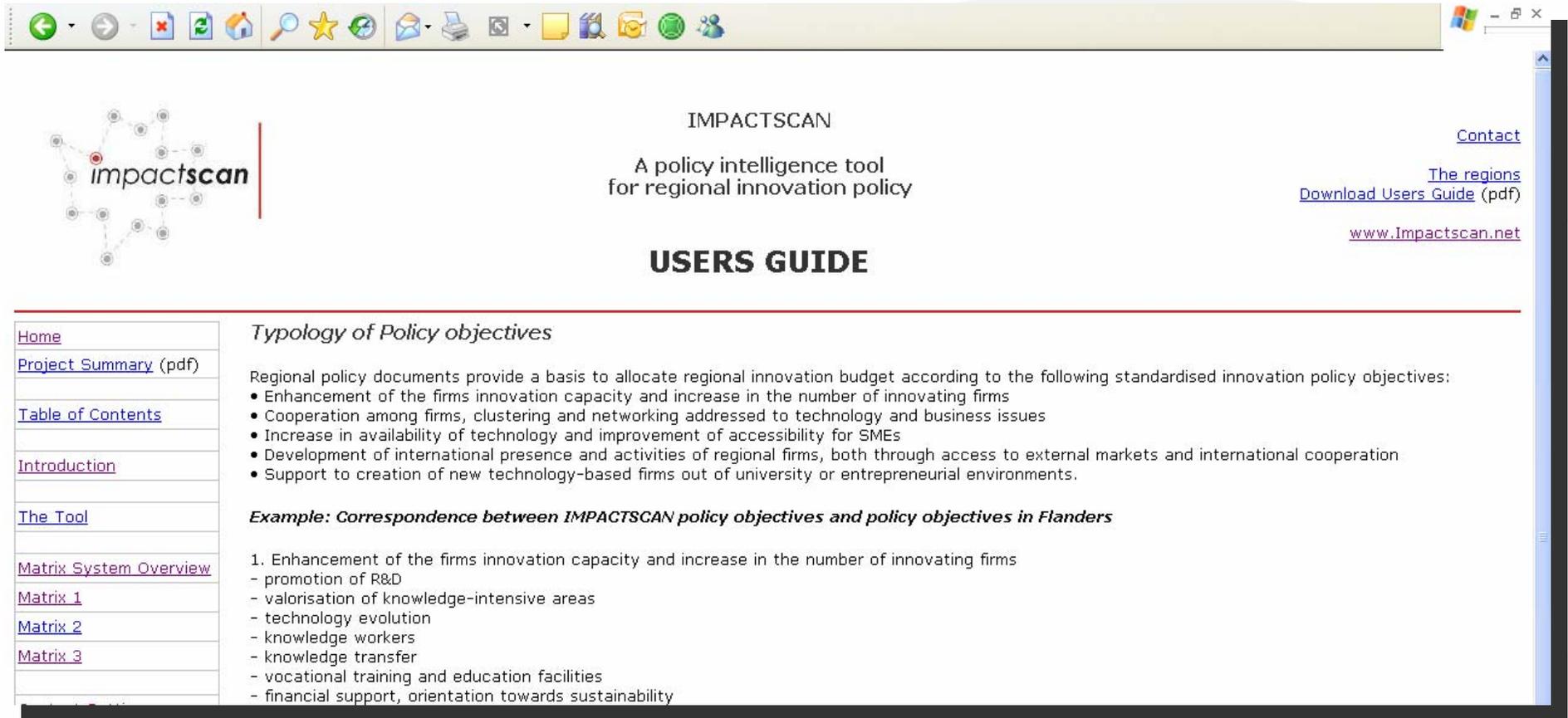
M1

Relevant Innovation Budget [in EURO]

<u>Intermediary types</u>	<u>Scientific/ Technology parks</u>	<u>Service centres</u>	<u>RTD Institutions</u>	<u>Business associations</u>	<u>Economic development organisations</u>	<u>Public-private Financial partnerships</u>	<u>Administration</u>	<u>Total Budget / Policy objective</u>	<u>Start up support</u>
Enhancement of the firms innovation capacity	0	3.115.000	2.159.010	0	0	0	6.455.000	11.729.010	
Cooperation among firms	0	0	0	0	720.000	0	1.267.000	1.987.000	
Increase in availability of technology	0	0	1.861.260	0	0	0	0	1.861.260	
Development of international presence	0	2.703.000	0	0	0	0	2.224.200	4.927.200	
Creation of new technology-based firms	855.000	150.000	0	0	0	8.175.000	1.032.000	10.212.000	
Total Budget / Intermediary type	855.000	5.968.000	4.020.270	0	720.000	8.175.000	10.978.200	30.716.470	0

M1 General comments

Help always available



The screenshot shows a web browser window with a Windows taskbar at the top. The browser address bar is empty. The page content includes the IMPACTSCAN logo on the left, which consists of a network diagram of nodes and lines next to the text 'impactscan'. In the center, the text reads 'IMPACTSCAN' followed by 'A policy intelligence tool for regional innovation policy' and 'USERS GUIDE'. On the right side, there are links for 'Contact', 'The regions', 'Download Users Guide (pdf)', and 'www.Impactscan.net'. Below the main content, there is a navigation menu on the left with links: 'Home', 'Project Summary (pdf)', 'Table of Contents', 'Introduction', 'The Tool', 'Matrix System Overview', 'Matrix 1', 'Matrix 2', and 'Matrix 3'. The main content area is titled 'Typology of Policy objectives' and contains a paragraph followed by a bulleted list of five objectives. Below this is an example section titled 'Correspondence between IMPACTSCAN policy objectives and policy objectives in Flanders' with a numbered list of five items.

IMPACTSCAN

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USERS GUIDE

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Typology of Policy objectives

Regional policy documents provide a basis to allocate regional innovation budget according to the following standardised innovation policy objectives:

- Enhancement of the firms innovation capacity and increase in the number of innovating firms
- Cooperation among firms, clustering and networking addressed to technology and business issues
- Increase in availability of technology and improvement of accessibility for SMEs
- Development of international presence and activities of regional firms, both through access to external markets and international cooperation
- Support to creation of new technology-based firms out of university or entrepreneurial environments.

Example: Correspondence between IMPACTSCAN policy objectives and policy objectives in Flanders

1. Enhancement of the firms innovation capacity and increase in the number of innovating firms
 - promotion of R&D
 - valorisation of knowledge-intensive areas
 - technology evolution
 - knowledge workers
 - knowledge transfer
 - vocational training and education facilities
 - financial support, orientation towards sustainability

Data Entry Context Setting

Impactscan Tool v17 demo.xls [Compatibility Mode] - Microsoft Excel

Variable	Source	Bretagne	Flanders	Niederösterreich	Limburg	Dolnoslaskie	Madrid	Slovenia	INDICATORS	Bretagne	Flanders	Niederösterreich
0.0 Size and density												
0.1 Size (population)	Eurostat - context setting	3020885	6043161	1569596	1136695	2698313	5821054	1397.590	0.1 inhab	4	10	1
0.2 Density of population	Eurostat - context setting	110,5	449	82,6	529,8	145,5	702,5	99,2	0.2 inhab/sqkm	0	6	0
0.3 Share of the region in national GDP	Eurostat - context setting	4,28%	57%	15%	6,20%	23%	18%	100,00%	0.3 GDP/RN	0	6	1
1.0 Policy context (general position of region in knowledge economy)												
1.01 GDP per capita	Eurostat - context setting	23369	27516	23397	27024	5441	25818	13.134	1.01 GDP/inhab	8	10	8
1.02 Growth rate of GDP per capita	Eurostat - context setting	4,5	2,5	3,0	1,2	4,7	3,5	4,4	1.02 Gr. GDP/inhab	9	4	5
1.03 Revealed Regional Summary Innovation Index	EU Regional Scoreboard 2006	0,51	0,61	0,37	0,53	0,31	0,61	0,35	1.03 RRSII	7	10	2
1.04 Health of the labour market	Context setting - EUROSTAT	92,7	94,6	95,7	94,6	77,2	93,2	93,5	1.04 1-unempl	8	9	10
1.05 Total R&D expenditures on GDP	Eurostat - context setting	1,64	2,08	0,83	1,99	0,39	1,69	1,45	1.05 R&D/GDP	7	10	3
1.06 Share of the region in national R&D expenditures	Eurostat - context setting	3,20%	63%	6,22%	7,20%	5,60%	28%	100%	1.06 R&D/RN	0	6	0
1.07 Public R&D expenditures on GDP (GERD - BERD)	Eurostat - context setting	0,69	0,57	0,06	0,45	0,28	0,73	0,48	1.07 PublicR&D/GDP	9	8	0
1.08 EPO patents per million population	RIS 2006	73,08	78,36	76,84	94,67	2,851	17,168	21,8	1.08 EPO pat / m inhab	8	8	8
1.09 Population with a tertiary education (% of 25-64 years age classes)	Eurostat - RIS 2003/2006 - Context setting	20,1	23,11	13,12	19,31	13,22	29,03	15,57	1.09 %pop 3rd ed	4	6	0
1.10 Human resources in S&T - core (% of active population)	Eurostat RIS 2006	16,0	20,6	9,2	16,4	14,7	22,3	16,6	1.10 %ed Sc&Tech	5	9	0
1.11 Participation in life-long learning (% of 25-64 years age classes)	Eurostat RIS 2006	8,0	9,1	13,0	14,0	5,9	12,0	15,3	1.11 %lifelong learning	2	3	8
1.12 Brain-drain or brain-gain situation (attractiveness for talent)	Context setting	4	5	4	3	0	5	4	1.12 Brain-drain/gain	4	5	4
2.0 Regional innovation policy governance												
2.1 Degree of autonomy of the region in RDTI matters	Context setting	5	10	8	4	0	8	2	2.1 Autonomy	5	10	8
2.2 total amount of "regional budget for innovation" per capita	M1-M2 budget	10,00	28,60	23,21	24,32	1,64	11,00	35,20	2.2 Rbgt/ innov/capita	2	8	6
2.3 share of "regional budget for innovation" on the overall regional budget under the responsibility of the Regional government (regional government's budget)	M1-M2 budget	6,60	0,91	15,84	7,27		0,84		2.3 FinnoR/budget	4	0	10
2.4 Share of "regional budget for innovation" on GDP	M1-M2 budget	0,04	0,09	0,10	0,09	0,03	0,04	0,27	2.4 FinnoR/GDP	1	3	3
2.5 Share of the regional government's innovation budget on the overall regional innovation budget (influence of the regional government on the global innovation policy on the regional territory)	M1-M2 budget	25,00	100,00	77,12	49,72	0,13	37,80	100,00	2.5 FinnoR/Finno	2	10	8
2.6 Existence of coordination platform/management infrastructure for innovation policy (steering committee)	Context setting	5	7	10	7	1	7	3	2.6 Coord mgt. Platform	5	7	10
2.7 Existence of holistic regional innovation strategy + existence of a regional plan/document stipulating the regional innovation support strategy and infrastructure (objectives, instruments, intermediaries, activities)	Context setting	5	8	10	7	5	9	5	2.7 RIS holistic	5	8	10
2.8 Strength of monitoring and evaluation efforts for innovation policy	Context setting	3	6	7	7	1	7	3	2.8 Monitoring innopol	3	6	7
2.9 Perspectives and plans for reinforcement of innovation policy	Context setting	8	7	7	5	1	7	3	2.9 Reint.innopol	8	7	7
3.0 Supply side (innovation support)												
3.1 Assessment of the scope coverage of M2 service typology existence of a comprehensive regional innovation support	Context setting M2	8	8	9	9	0	7	2	3.1 Support infr.	8	8	9
3.2 dissemination activities on the innovation support offer - communication platform to facilitate firms' access to intermediaries and support schemes	Context setting - M2	5	10	7	7	1	8	3	3.2 Comm plat. firms	5	10	7
3.3 Cooperation and networking culture on supply side	Context setting	6	8	6	7	5	9	2	3.3 Network culture	6	8	6
4.0 Demand side												
4.1 Business R&D expenditures on GDP	Eurostat - context setting 2006 RIS	1,02	1,51	0,77	1,54	0,11	0,96	0,87	4.1 Firms RD exp	6	10	5
4.2 Share of employment in medium-high and high-tech	Eurostat - context setting	4,71	7,05	0,04	5,00	0,00	0,00	0,50	4.2 %emp med-high-tech	0	0	0

Definitions and data sources

Impactscan Tool v17 demo.xls [Compatibility Mode] - Microsoft Excel

Variable	Source	Bretagne	Flanders	Niederösterreich	Limburg	Dolnoslaskie	Madrid	Slovenia	INDICA
0.0 Size and density									0 Size and de
0.1 Size (population)	Eurostat - context setting	3020885	6043161	1569596	1136695	2898313	5821054	1997590	0.1 inhab
0.2 Density of population	Eurostat - context setting	110.5	449	82.6	529.8	145.5	702.5	99.2	0.2 inhab/km

0.0 SIZE AND DENSITY

0.1 Size (Population)

Definition: Total Population
 Source: Eurostat (2004 data)
 Measurement: Quantitative indicator

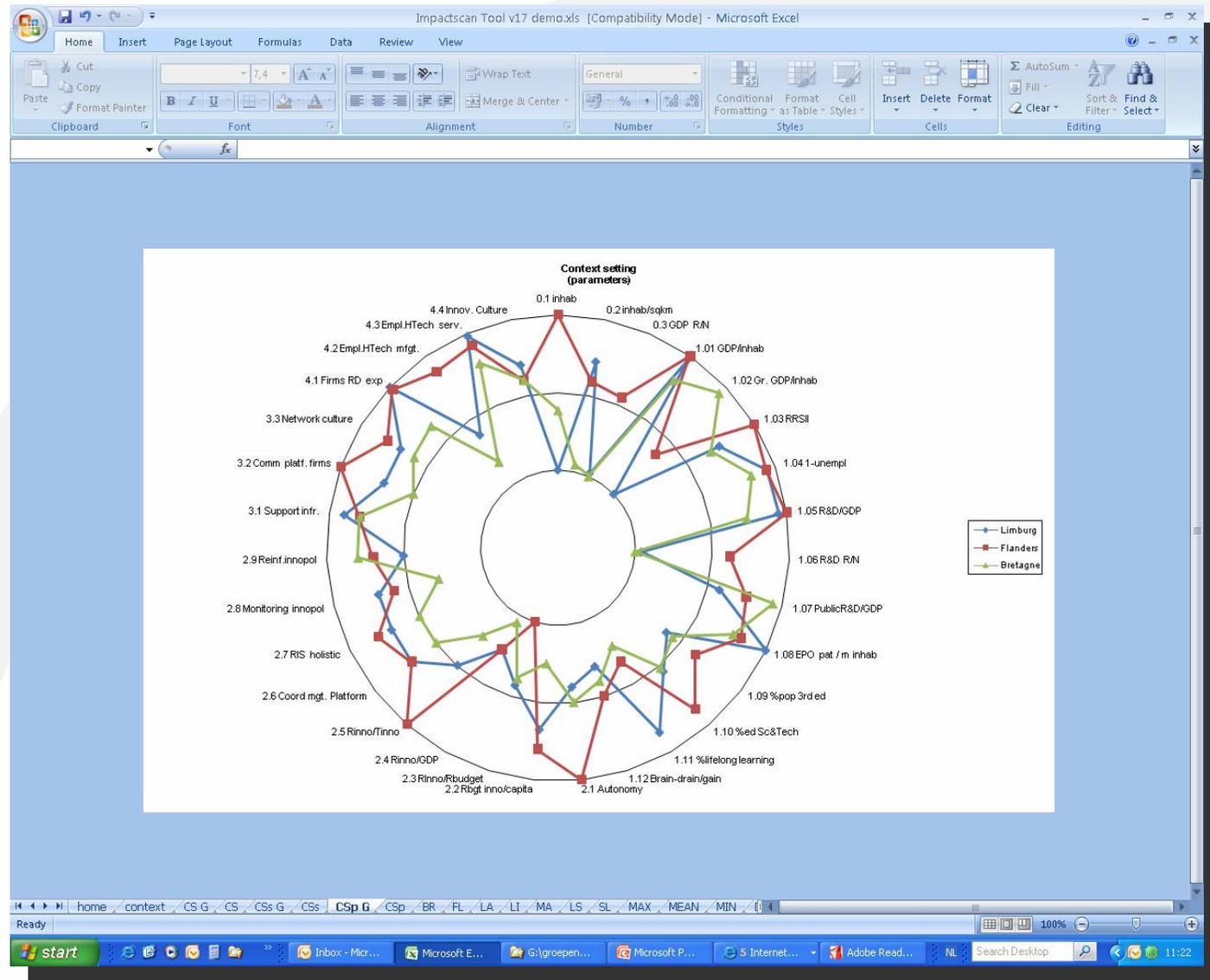
Metric: 0 := min - 1 136 695 (Limburg)
 5 := 7 regions means -
 10 := max - 6 043 161 (Flanders)

0.2 Density of population

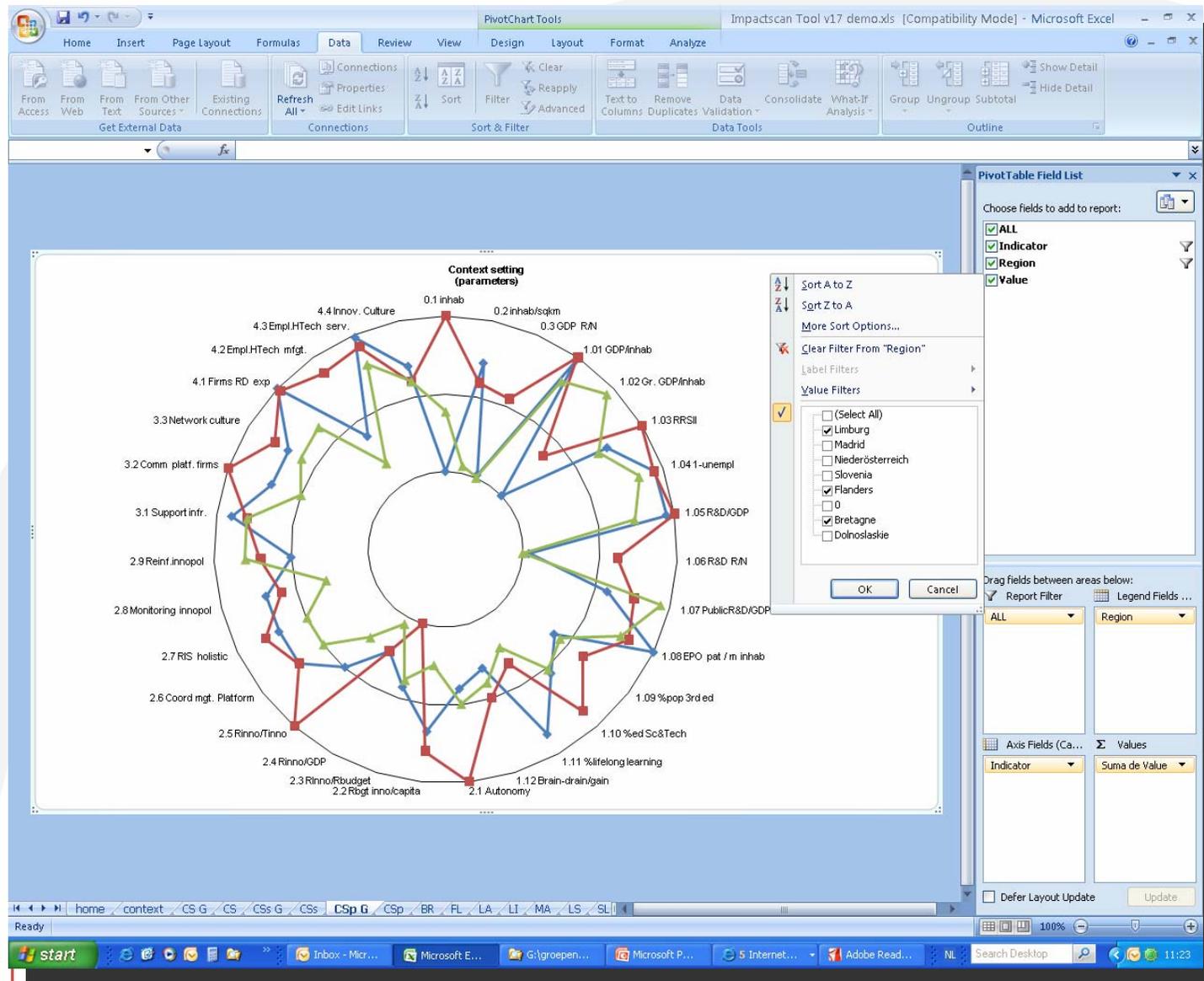
Definition: Population/km²
 Source: Eurostat (2004 data)
 Measurement: Quantitative indicator

Metric: 0 = min - 82,6 (Lower Austria)
 5 = 7 regions, means
 10 = max - 702 (Madrid)

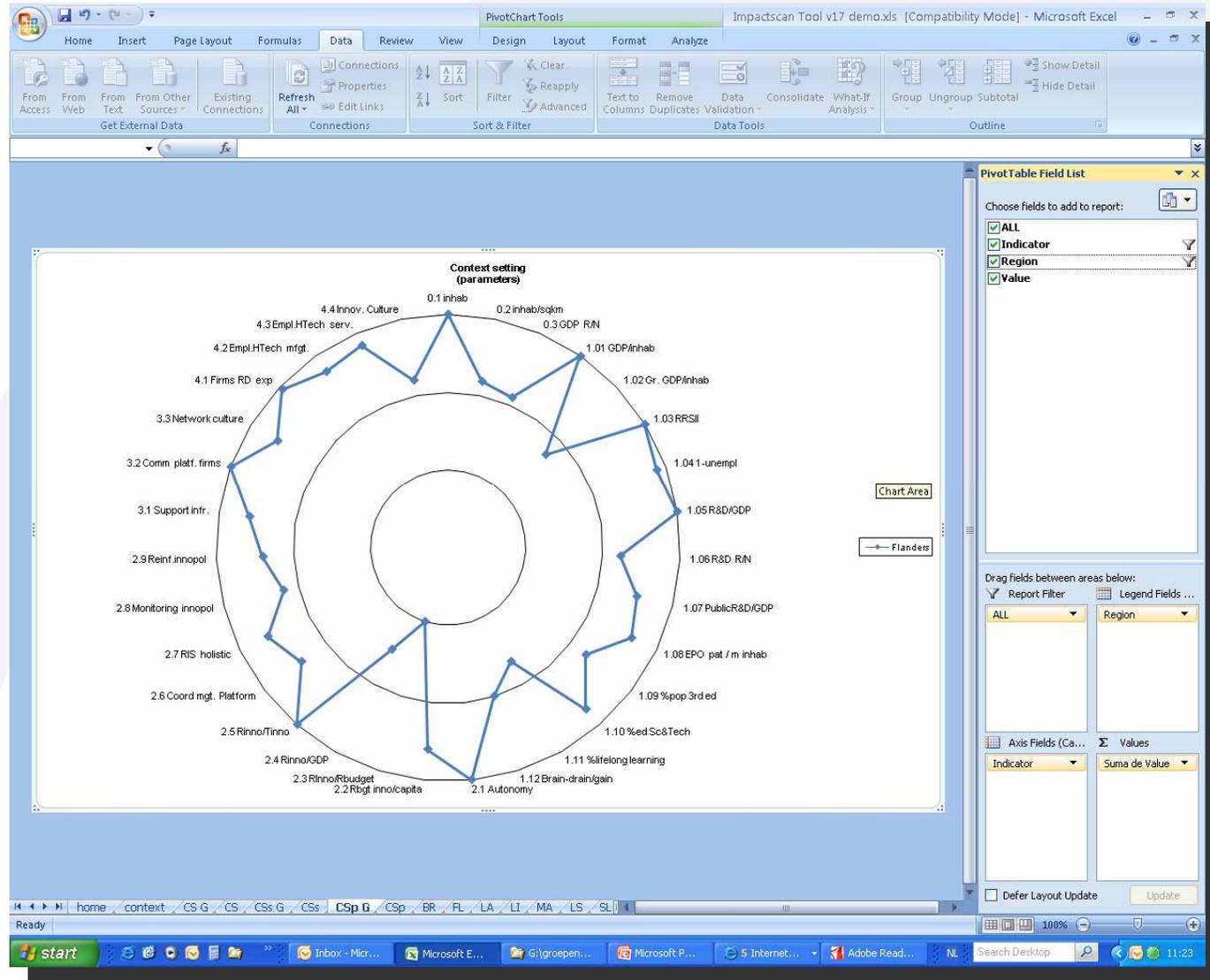
Graphical Analysis Context Setting



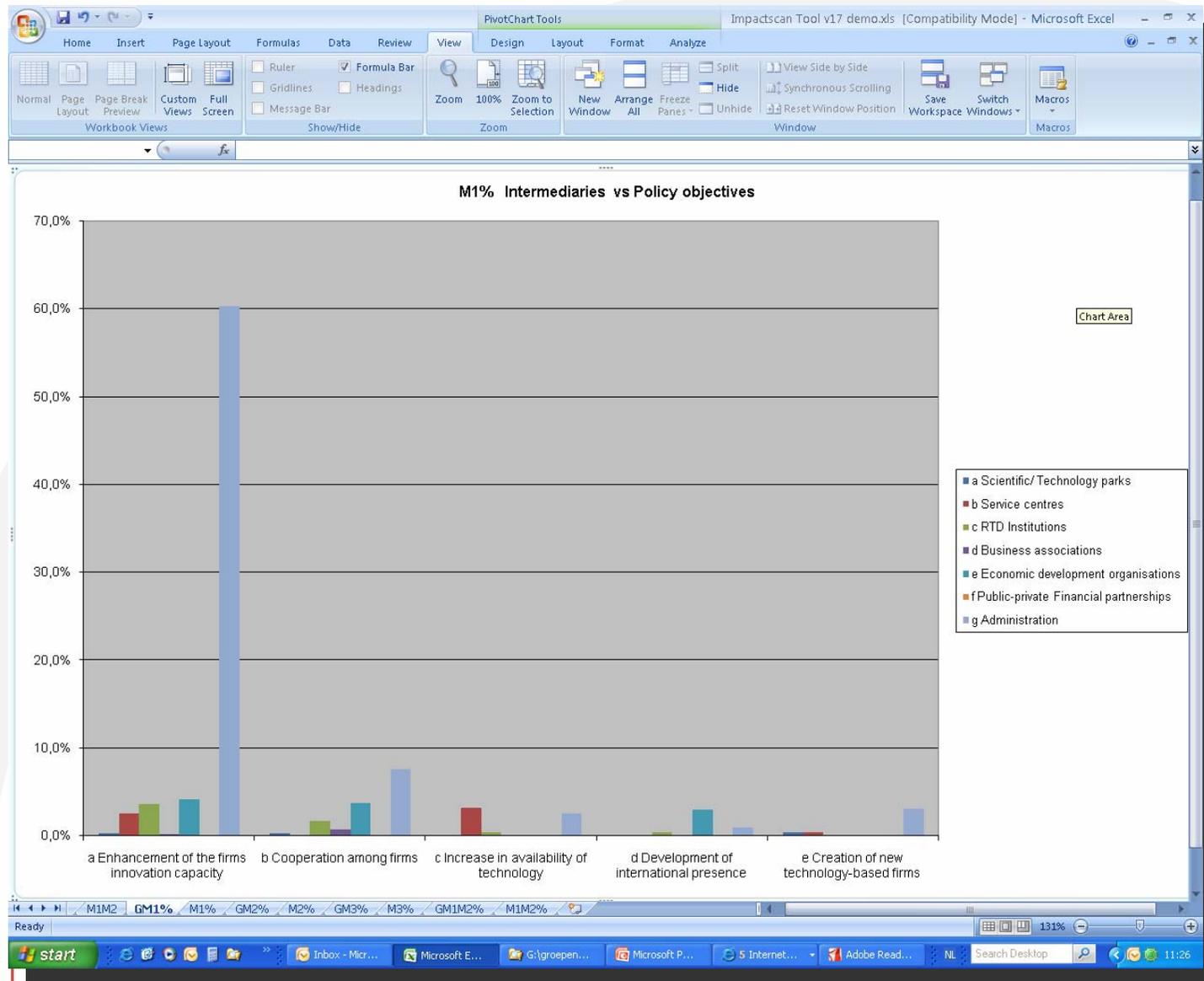
Easy manipulation of Graphs



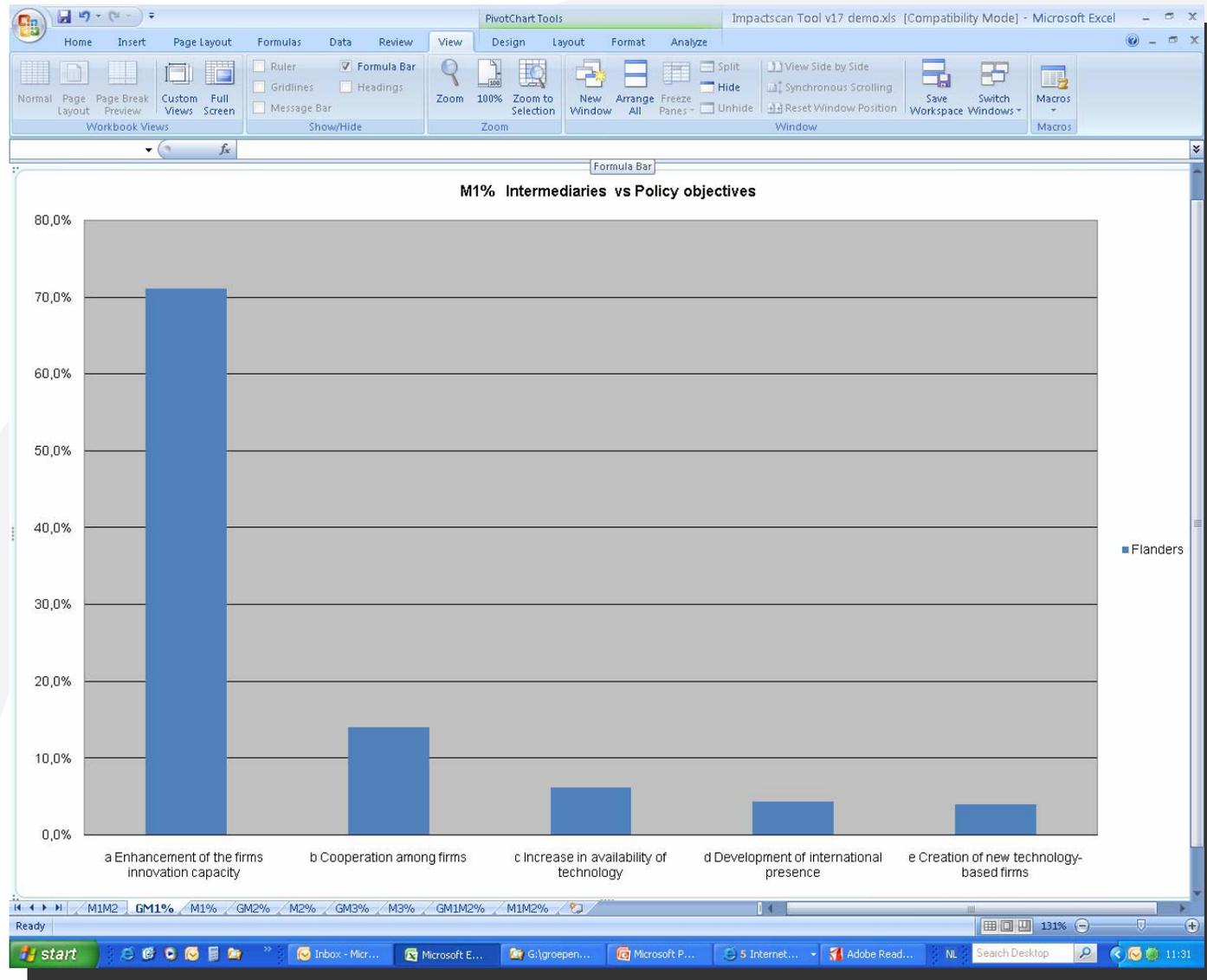
Compare regions or display single region



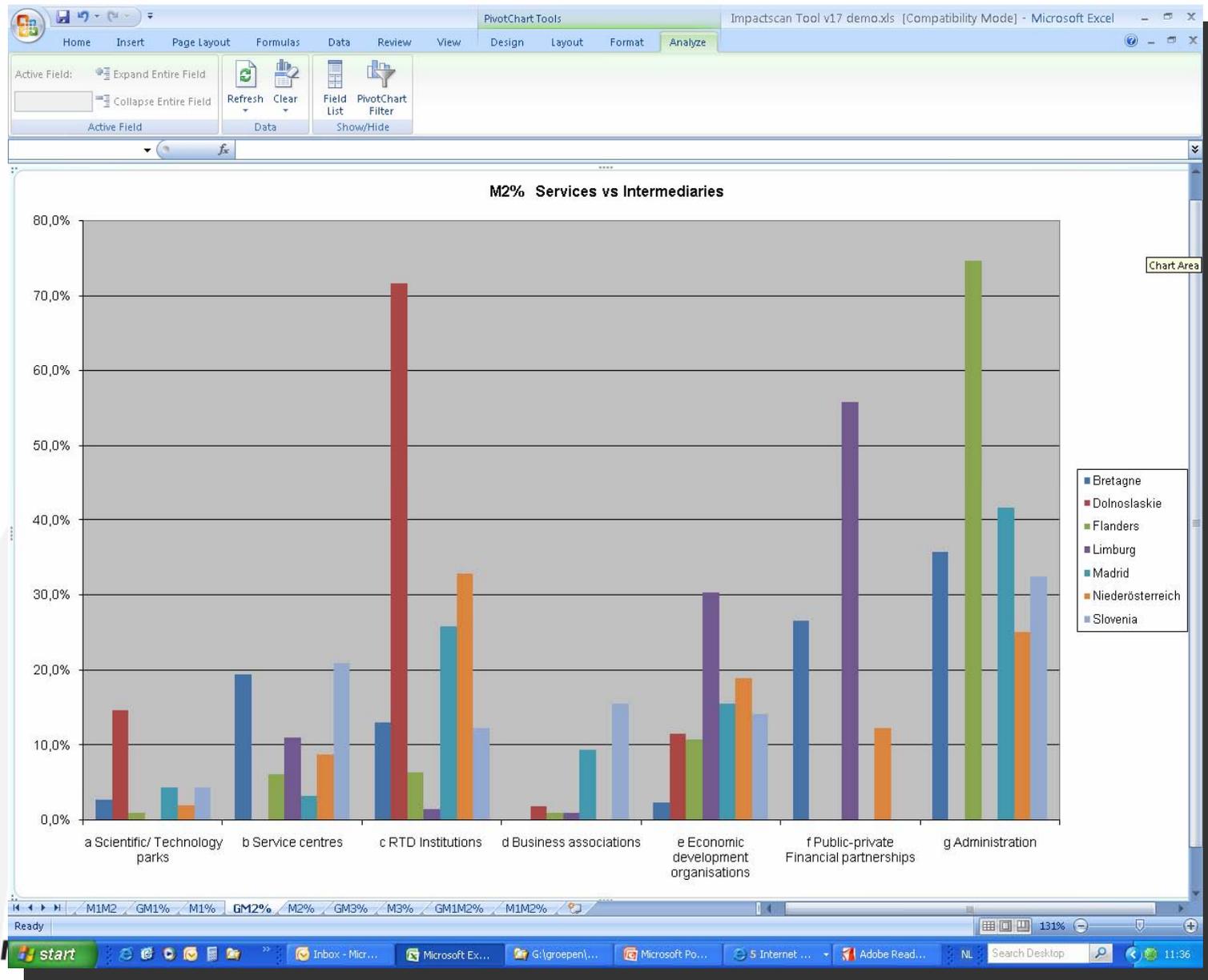
Graphical Analysis using the Matrix Graphs



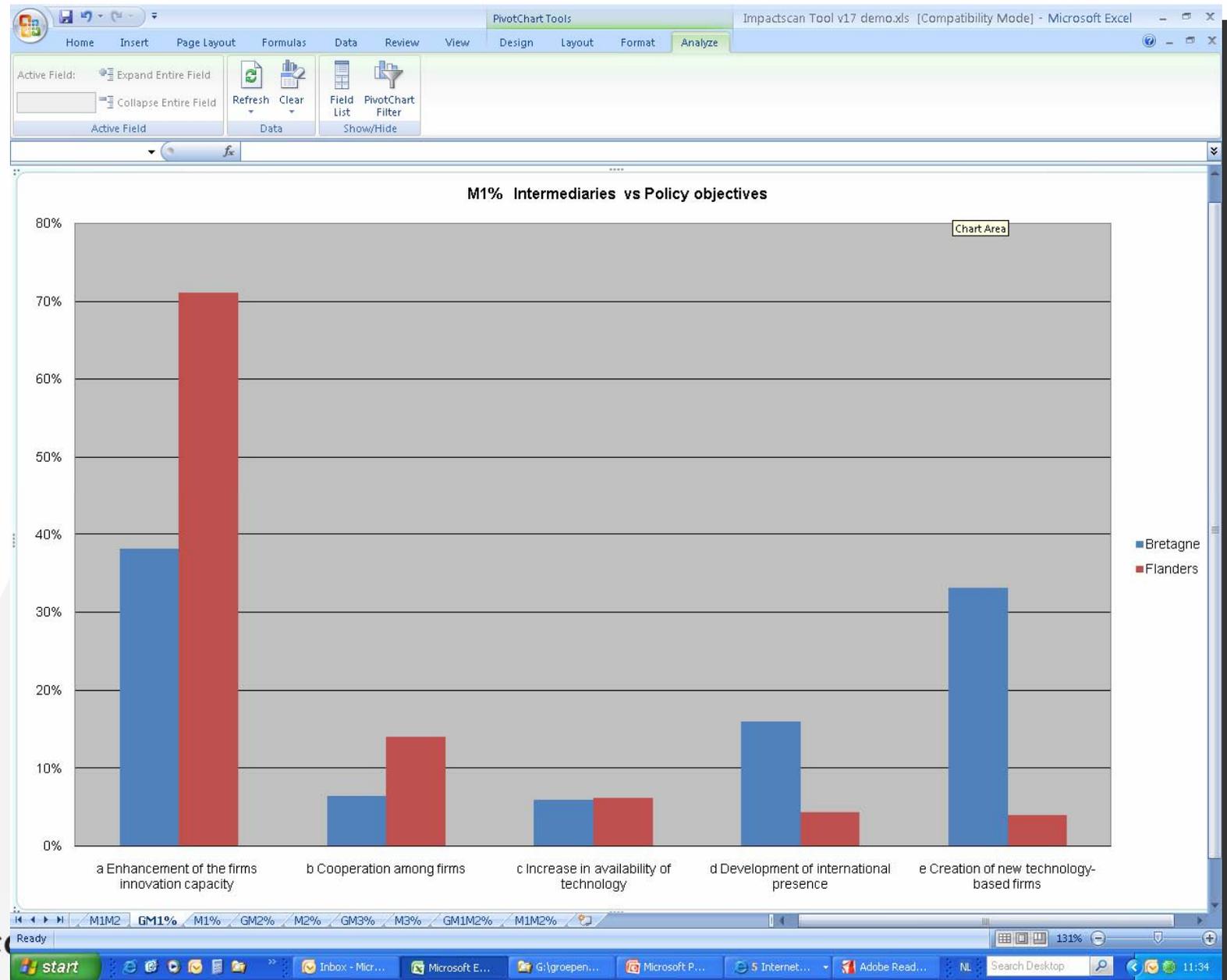
Detailed analysis of single region



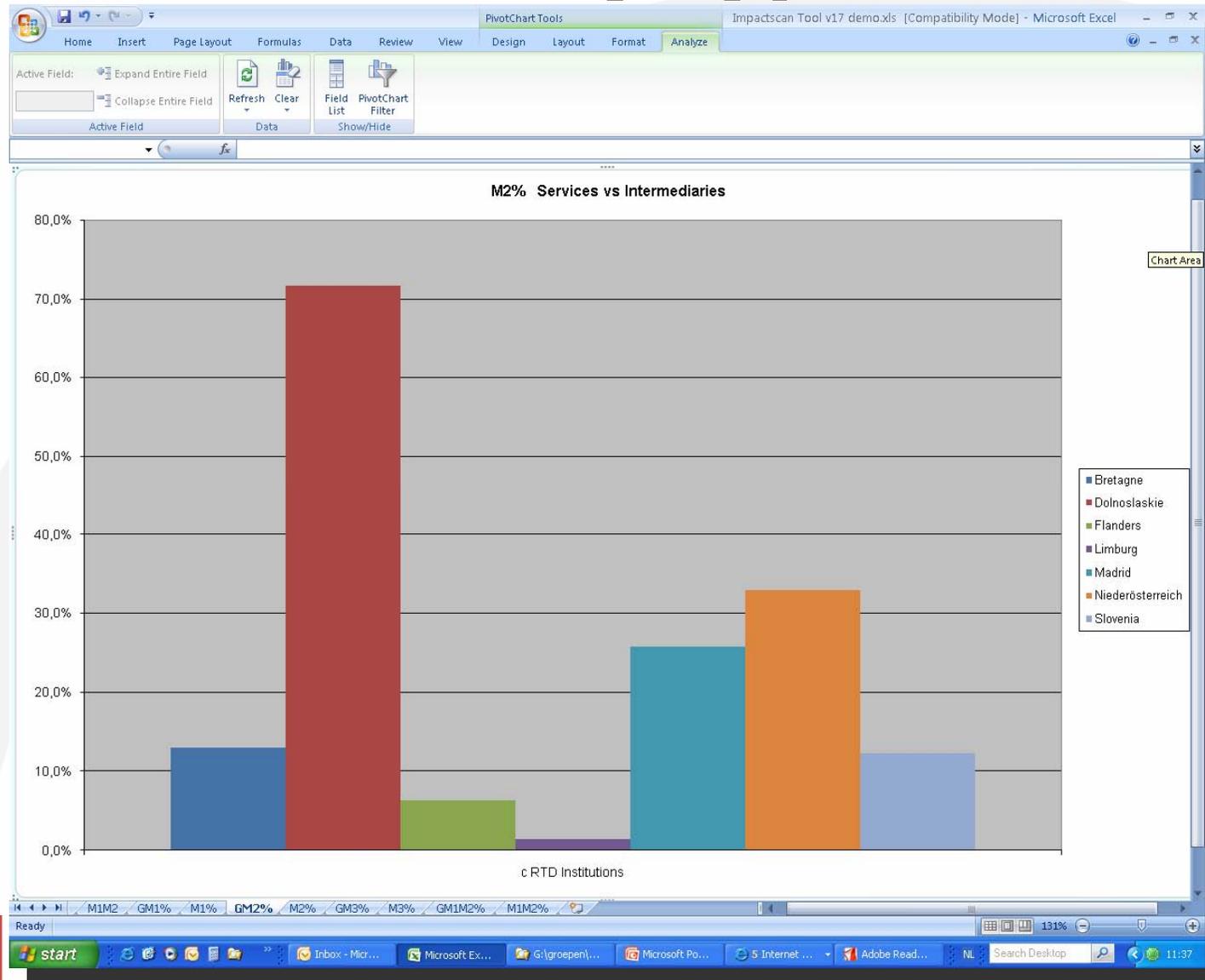
Compare different regions



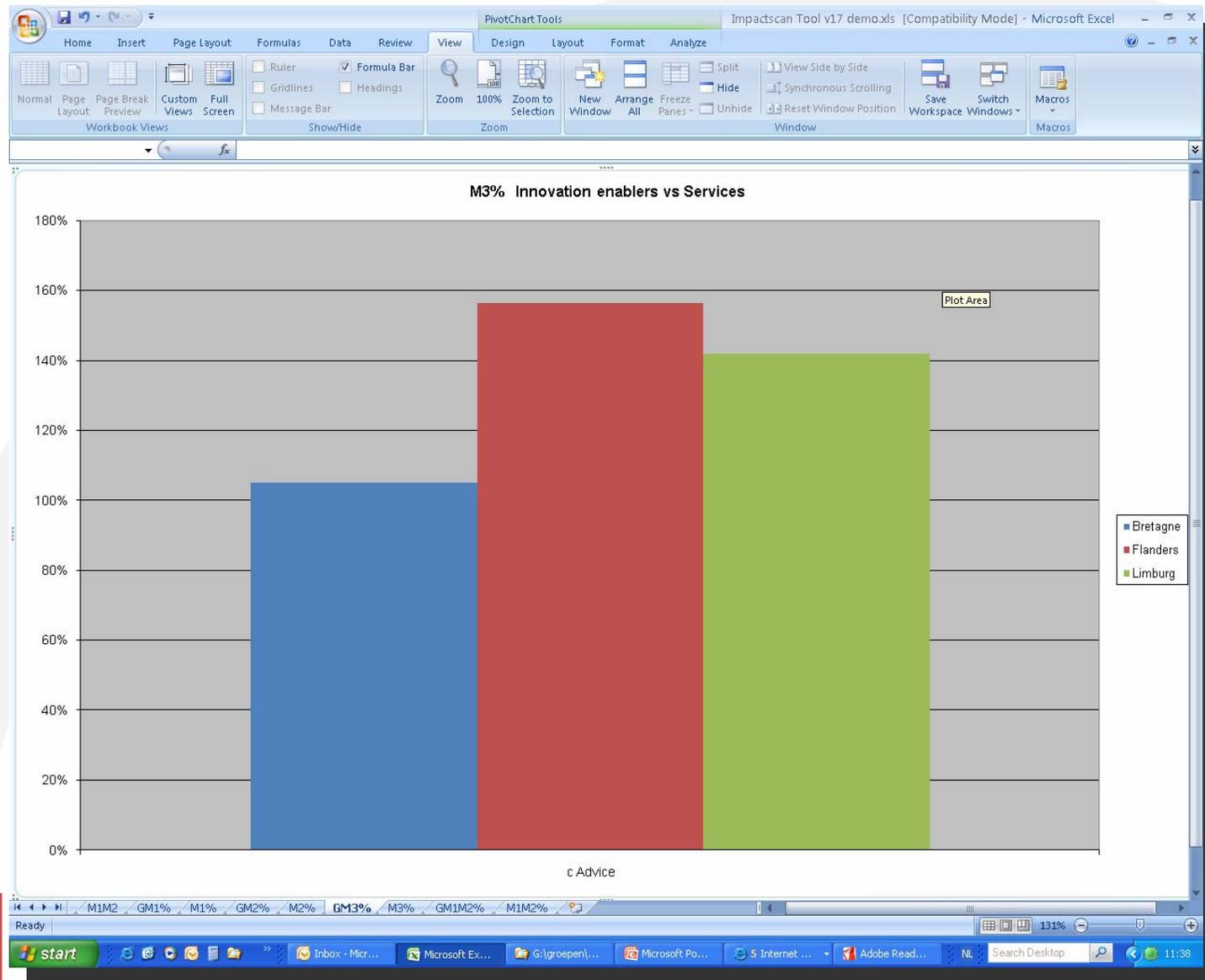
Compare different regions



Detailed analysis on single Intermediary type



Detailed analysis of Innovation support service



What you get For Regional Use

- Structured view on the regional innovation support system
 - the allocation of budgets,
 - the major components of it and
 - its strengths and weaknesses
- Information on impact of innovation services
- Qualitative information on match between supply and demand of innovation support measures towards companies.
- This can all be used to
 - optimize regional innovation support system and
 - elaborate a regional recommendation plan for policy makers.

Results of inter-regional comparison

- Identification of regions
 - with similar or different innovation support system
 - to open discussion and
 - analyze in depth advantages and disadvantages of different innovation support systems.
- For regions with limited experience in innovation support, help to design a regional innovation support system.

Results of **IMPACTSCAN** for the partners

- Improved the evaluation of Regional Innovation Support System.
- Gathered elements for design of regional consulting and monitoring tool for intermediaries.

How to proceed

- The IMPACTSCAN-tool has been used by 7 partner regions.
- Other regions interested in using the IMPACSTCAN-tool can have **free access to the tool**, along with a detailed user guide.
- The IMPACTSCAN-tool will be made available with the minimum/maximum and mean value of all data from the 7 regions involved in the development of the tool.
- For comparison with a region from IMPACTSCAN project : please contact the project partners (see web site)
 - www.impactscan.net
- or Project Coordinator
 - IWT, Annie Renders - +32 2 20 90 952 – ar@iwt.be