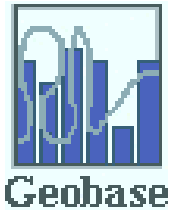


Presenting Regional and Urban Statistics



Michal Peleg

Israel Social Science Data Center

The Hebrew University

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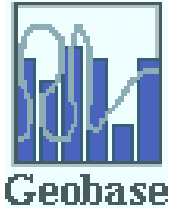
IASSIST/IFDO Conference

Amsterdam, May 2001





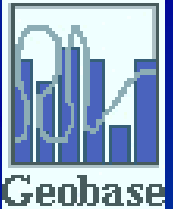
Structure of This Presentation



- 1. The need for comparable urban statistics**
- 2. Main sources of regional and urban statistics**
- 3. The main problems with regional statistics**
- 4. Geobase objectives and contents**
- 5. Geobase web interface**
- 6. Future plans**

The Growing Need for Regional Information

- Rational and efficient political actions need the quantification of social and economic phenomena
- Harmonised urban statistics are the base for well-founded urban policy at all levels



The Need for Regional Information (Cont.)

As more and more people live in dense cities, the development in cities should be monitored and analysed more rigorously

Monitoring urban and regional inequality :

- Compare problems and chances in order to invest more in deprived places
- Compare problems and chances across regions in order to learn from each other

Typical users of regional statistics

- Urban and regional planning agencies
- Central government agencies
- Regional government
- Cities (municipalities)
- Public services planning agencies
- Academic research and instruction
- Business and market research

Sources of Data

Harmonization and quality of data impose careful selection of data sources. Current GEOBASE sources are :

- The Central Bureau of Statistics (Israel CBS)
- Cities' statistical departments
- The National Insurance Institute
- Ministries of Health, Tourism and Education
- Israel Electricity Company



Main Problems in Management of Regional Statistics

- Different spatial divisions used by different data collectors
- Different definitions of variables
- incompatible multi-layer statistics
- Partially available data

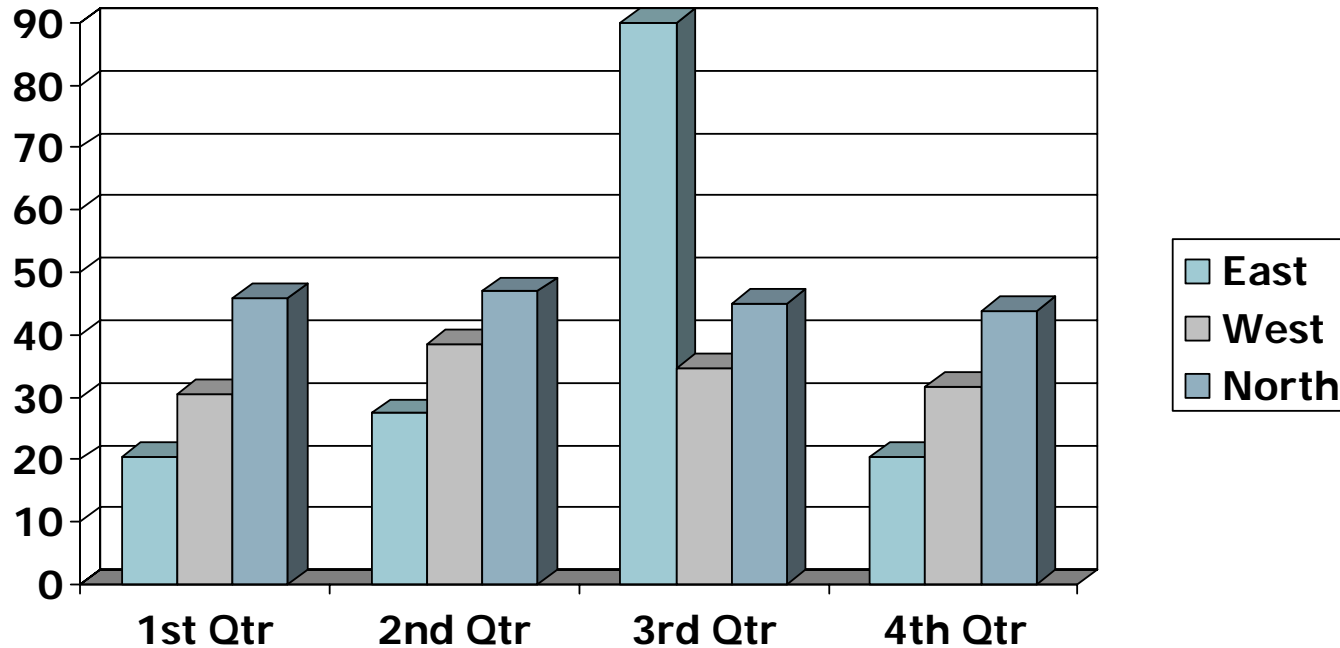
These inconsistencies produce difficulties in maintaining a harmonized and comparable database



GEOBASE

objectives and contents

<http://geobase.huji.ac.il>

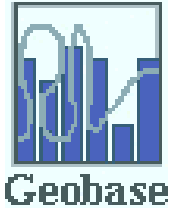




Our Mission

- To collect reliable, comparable and relevant statistics (quality charta)
- To upgrade the data by building time-series, in collaboration with the CBS and other vendors
- To make urban and regional statistics publicly available through the web
- To encourage the use of regional statistics by decision makers in local authorities

Geographic Layers and Levels (currently)



Regional layers:

- District
- Sub-district
- Regional council
- Road
- Sub-road

Urban layers:

- City (urban locality)
- Sub-quarter
- Statistical area

- Future: metropolin areas, rural localities, neighbor countries (?)



Current Domains

- Labour market
- Incomes and wages
- Population
- Migration
- Socio-economic status
- Schooling system
- Housing and construction
- Transportation
- Tourism
- Economic activity

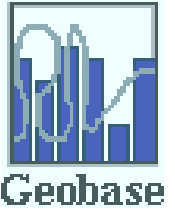
Planned Additional Domains

- Health
- Crime
- Environment conditions
- Political behavior (elections)
- Land use



Geobase time dimension

- ✓ 90% of the series are annual, 8% are quarterly and 2% are monthly or censusal.
- ✓ Problem: few series change basis or definitions over time. Other end up;
- ✓ The greater part of the series start in 1990 with few population and housing items that start as early as 1983. New data items start at the mid 1990's.
- ✓ Question: should non-periodic measures be incorporated into GEOBASE ?



Demonstration

of Geobase web-site

<http://geobase.huji.ac.il>


Home page

GEOBASE - Israel regional database - Microsoft Internet Explorer

File Edit View Favorites Tools Help


Address <http://geobase.huji.ac.il> Go

Israel Regional Database



בסיס נתונים גאוגרפי - סטטיסטי של ישראל

ברוכים הבאים לאתר Geobase המחודש!



Urban Localities יישובים עירוניים
Sub-Quarters תת רבעים
Regional Councils מועצות אזוריות
Districts נפות
Sub-Districts מחוזות
Roads and Sub-Roads דרכים בין-עירוניות

A project of: **ISDC Israel Social Sciences Data Center (ISDC)**

Data Support: **Central Bureau of Statistics (CBS)**

Software Support: **Integrity**

GEOBASE is a product of the Israel Social Sciences Data Center (ISDC).
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[Help](#)
Best viewed at 800x600 resolution

[עזרה](#)

Search Data
Overview
News
Who's who
Home
Write Us

איחזור נתונים
סקירה כללית
חדשות והודעות
צוות הפרויקט
Home
כיתבו לנו

Done Internet

Start G I W M J

14:25

Main menu

http://geobase.huji.ac.il/pls/geoweb/GEOBASE_START.main_frame?plang=EN - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address http://geobase.huji.ac.il/pls/geoweb/GEOBASE_START.main_frame?plang=EN Go

Israel Regional Database

בסיס נתונים גאוגרפי - סטטיסטי של ישראל

Geographics Unit

Current: All Units

- District
- Locality
- National
- Regional council
- Road
- Subdistrict

Clear Units

Free Search


Subject


Current: All Subjects


- Building and housing
- Economic activity
- Education
- Infrastructures
- Labour and wages
- Land uses
- Local Auth. - Financial data
- Population
- Tourism
- Transportation


Clear Subjects

Free Search


Help


Home


Go


Undo

Start | Internet | 13:09

First search results

http://geobase.huji.ac.il/pls/geoweb/geobase_search.cont_test - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address http://geobase.huji.ac.il/pls/geoweb/geobase_search.cont_test Go

Israel Regional Database

בסיס נתונים גאוגרפי - סטטיסטי של ישראל

Geographics Unit

Current: District

- Central
- Haifa
- Jerusalem
- Judea & Samaria
- Northern
- Southern
- Tel Aviv

Clear Units [Select All](#)

Free Search

Subject

Current: Residential building

- Res. building- settled by immigrants from USSR
- Residential building- active construction
- Residential building- building begun
- Residential building- building completed
- Residential building- land marketing by I.L.A.**

Clear Subjects

Free Search

Geographic Units: 7 Subjects: 23 Single Series: 345

New Search
Help
Home

Go
Undo


Start | Internet | 13:12

Search results when number of series < 40


http://geobase.huji.ac.il/pls/geoweb/geobase_search.cont_test - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address http://geobase.huji.ac.il/pls/geoweb/geobase_search.cont_test Go













Israel Regional Database





בסיס נתונים גאוגרפי - סטטיסטי של ישראל


Please put the required Series into your Basket


Basket	Location	Series Name	Source	Units	Period
	Central	Residential building begun- total-dwellings	Israel CBS	Dwellings	Quarterly 01/1990 - 03/2000
	Haifa	Residential building begun- total-dwellings	Israel CBS	Dwellings	Quarterly 01/1990 - 03/2000
	Jerusalem	Residential building begun- total-dwellings	Israel CBS	Dwellings	Quarterly 01/1990 - 03/2000
	Northern	Residential building begun- total-dwellings	Israel CBS	Dwellings	Quarterly 01/1990 - 03/2000
	Southern	Residential building begun- total-dwellings	Israel CBS	Dwellings	Quarterly 01/1990 - 03/2000
	Tel Aviv	Residential building begun- total-dwellings	Israel CBS	Dwellings	Quarterly 01/1990 - 03/2000
	Judea & Samaria	Residential building begun- total-dwellings	Israel CBS	Dwellings	Quarterly 01/2000 - 03/2000
	Central	Residential building begun- total-dwellings	Israel CBS	Dwellings	Yearly 1990 - 1999
	Haifa	Residential building begun- total-dwellings	Israel CBS	Dwellings	Yearly 1990 - 1999

 New Search

 Main Menu


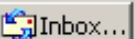
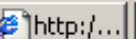

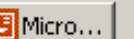

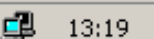
 Reset Basket

 Help

 Home

Done

Internet

Start |  |  Inbox... |  http://... |  http://... |  Micro... |  EN |  13:19

Basket contents: Residential building begun by districts – quarterly series

http://geobase.huji.ac.il/pls/geoweb/Manage_Basket.UpdBasket - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address http://geobase.huji.ac.il/pls/geoweb/Manage_Basket.UpdBasket

New Search
 Main Menu
 Reset Basket
 Show Selections
 Basket in EXCEL
 Show Graph
 Help

Israel Regional Database **בסיס נתונים גאוגרפי - סטטיסטי של ישראל**

Basket Content-

Code	Location	Series	Source	Units	Period	Remark
4	District. Central	Residential building begun- total-dwellings	Israel CBS	Dwellings	Quarterly 01/1997 - 03/2000	
1	District. Jerusalem	Residential building begun- total-dwellings	Israel CBS	Dwellings	Quarterly 01/1997 - 03/2000	
2	District. Northern	Residential building begun- total-dwellings	Israel CBS	Dwellings	Quarterly 01/1997 - 03/2000	
6	District. Southern	Residential building begun- total-dwellings	Israel CBS	Dwellings	Quarterly 01/1997 - 03/2000	

Residential building begun- total- dwellings

Period	District. Central	District. Jerusalem	District. Northern	District. Southern
01/1997	3,520	990	2,410	3,010
02/1997	3,930	1,900	2,340	3,290
03/1997	3,750	1,330	3,390	2,450
04/1997	3,030	340	1,570	3,100
01/1998	3.220	510	1.720	2.970

Internet

Start | Internet Explorer | Microsoft Word | Microsoft Excel | Microsoft PowerPoint | Outlook | http://... | http://... | Microsoft... | EN | 13:21

Download basket into Excel

http://geobase.huji.ac.il/pls/geoweb/show_basket.show?pid=1080&plang=EN&pmode=EXCEL - Microsoft Internet Explorer

Address http://geobase.huji.ac.il/pls/geoweb/show_basket.show?pid=1080&plang=EN&pmode=EXCEL

	A	B	C	D	E	F	G	H	I	J
1										
2		Residential building begun- total- dwellings_								
3	97- ינואר	3,520.00	990	2,410.00	3,010.00					
4	97- פברואר	3,930.00	1,900.00	2,340.00	3,290.00					
5	97- מרץ	3,750.00	1,330.00	3,390.00	2,450.00					
6	97- אפריל	3,030.00	340	1,570.00	3,100.00					
7	98- ינואר	3,220.00	510	1,720.00	2,970.00					
8	98- פברואר	2,140.00	760	1,900.00	1,980.00					
9	98- מרץ	3,610.00	720	1,740.00	1,950.00					
10	98- אפריל	2,840.00	680	1,890.00	2,540.00					
11	99- ינואר	2,460.00	520	1,960.00	1,540.00					
12	99- פברואר	2,960.00	527	1,350.00	1,200.00					
13	99- מרץ	2,440.00	840	2,090.00	1,970.00					
14	99- אפריל	2,500.00	570	1,880.00	1,810.00					
15	00- ינואר	4,055.00	852	1,728.00	1,364.00					
16	00- פברואר	3,114.00	1,217.00	1,994.00	1,403.00					
17	00- מרץ	3,443.00	1,327.00	1,361.00	2,013.00					
18										
19										
20	Source:	Israel CBS	Israel CBS	Israel CBS	Israel CBS					
21	Units:	Dwellings	Dwellings	Dwellings	Dwellings					
22	Period:	Quarterly	Quarterly	Quarterly	Quarterly	01/1997 - 03/2000				
23										
24										
25										

show_basket.SHOW_BASKET_TYPE?pi

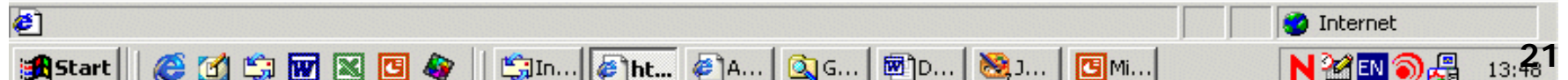
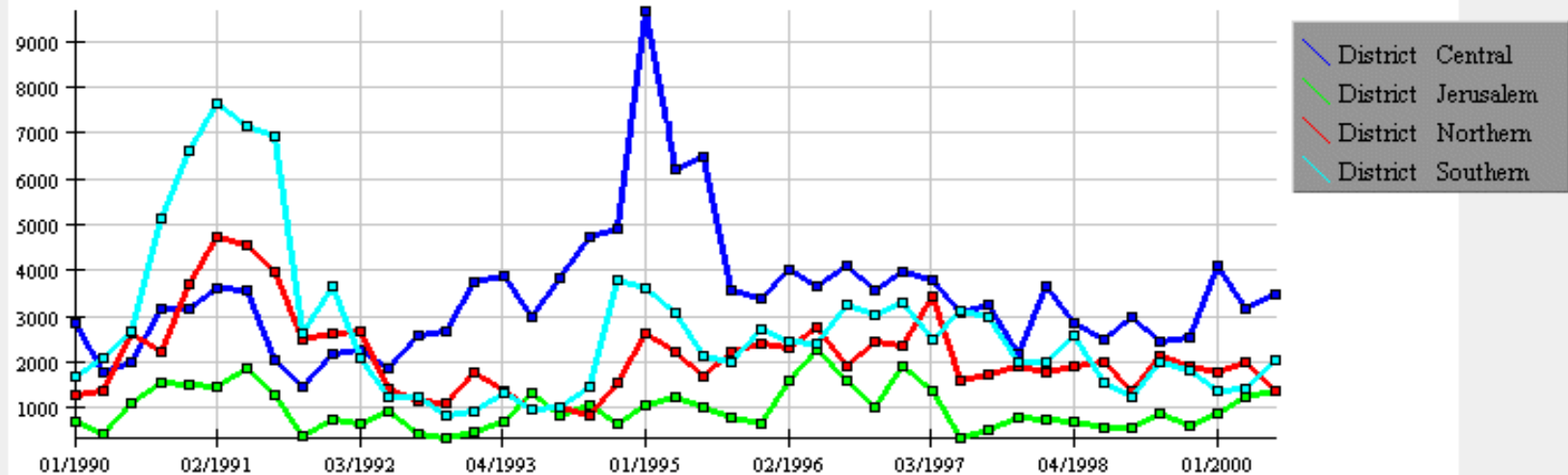
Internet

Start | Internet Explorer | Word | Excel | PowerPoint | Outlook | ... | 13:22

Show basket contents as line chart – quarterly construction series for districts



'Residential building begun- total- dwellings'-"




Starting a new search – profile of Nazareth (total 605 series)

http://geobase.huji.ac.il/pls/geoweb/geobase_search.cont_test - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address http://geobase.huji.ac.il/pls/geoweb/geobase_search.cont_test Go

Israel Regional Database  **בסיס נתונים גאוגרפי - סטטיסטי של ישראל**

Geographics Unit
Current: Nazareth

[Show Sub Quarters](#)
[Show Statistical Areas](#)




Clear Units



Free Search

Subject
Current: All Subjects

Clear Subjects


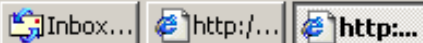
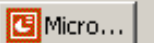
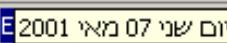
Free Search

 **New Search**
 **Help**
 **Home**

 **Go**
 **Undo**

Geographic Units: 18 Subjects: 179 Single Series: 605

Done Internet

Start |  |  |  | 

Search result : selected data items of Nazareth

http://geobase.huji.ac.il/pls/geoweb/Manage_Basket.UpdBasket - Microsoft Internet Explorer

Address http://geobase.huji.ac.il/pls/geoweb/Manage_Basket.UpdBasket

7300	Nazareth	Population age 10-14	Israel CBS	Thousands	1999	
7300	Locality. Nazareth	Population age 5-9	Israel CBS	Thousands	Yearly 1990 - 1999	
7300	Locality. Nazareth	Pupils in primary edu.	Israel CBS, M. of Education	Pupils	Yearly 1993 - 1998	*

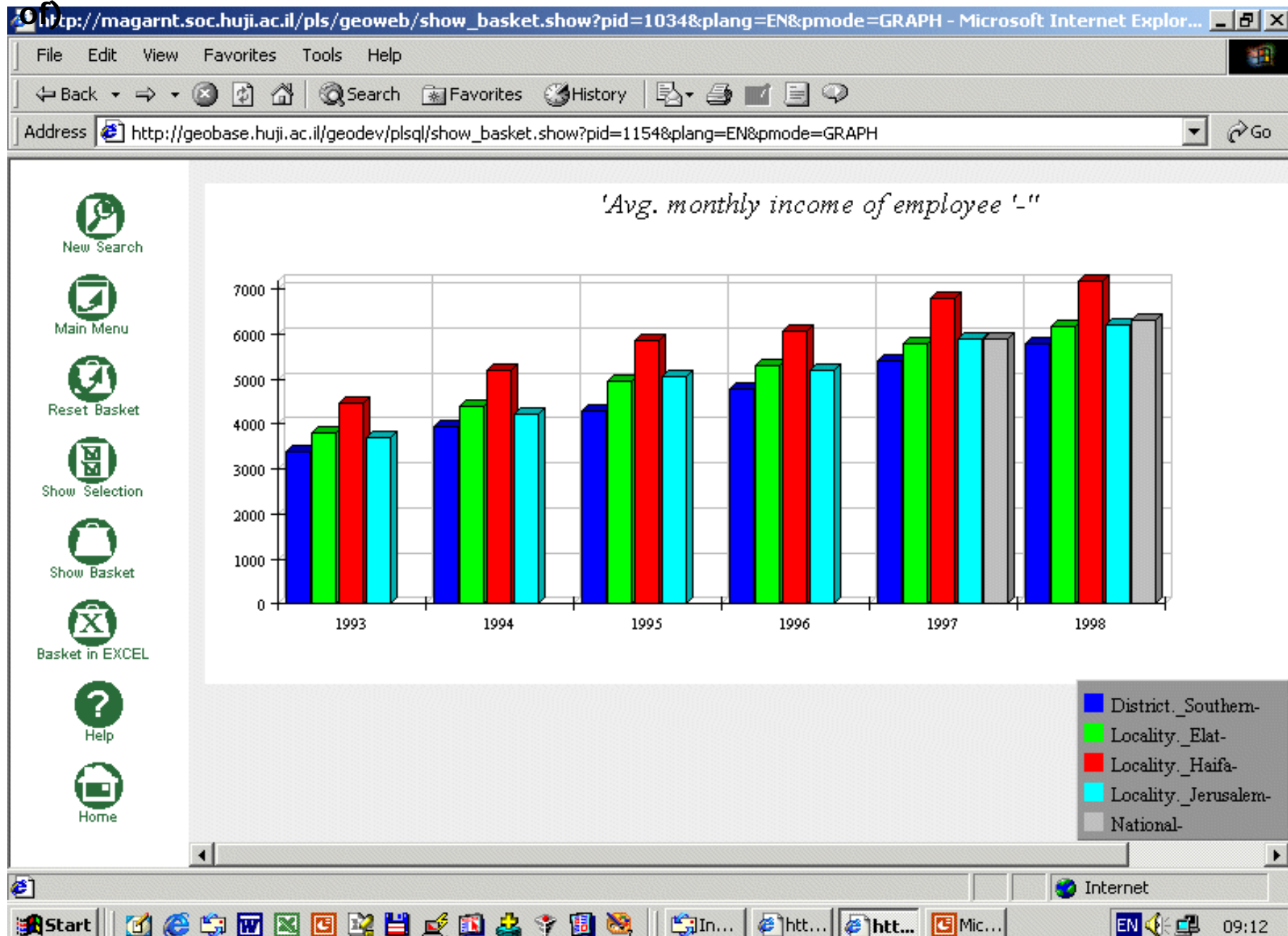
Locality. Nazareth

Period	Avg. monthly income of employee	Internal migration balance	Natural growth	Pop. at end of period	Population age 10-14	Population age 5-9	Pupils in primary edu.
1990		-34	1,476.0	49.6	6.2	6.2	
1991	1,536		1,364.0	49.8	5.3	5.8	
1992	2,533	-57	1,324.0	51.0	5.2	6.1	
1993	2,843	-208	1,366.0	52.2	5.2	6.3	9,667
1994	3,178	-32	1,423.0	53.5	5.3	6.6	10,319
1995	3,607	-30	1,488.0	52.7		6.9	11,216
1996	4,009	-5	1,487.0	54.1	5.8	7.2	10,890
1997	4,451	-26	1,510.0	55.5	5.7	6.6	11,655
1998	4,712	35	1,677.0	57.2			11,629
1999		-490	1,567.0	58.3	6.0	6.9	

Done Internet

Start | Internet Explorer | Word | Excel | PowerPoint | Outlook | ... | 13:27

Bar chart – average monthly income per employee - multi-layer basket





Technical comments

- Geobase already includes more than 500 different variables, each of them refer to one or more geographic layers.
- Technologies: the database is running on Oracle 8i DBMS on NT servers. Oracle iAS 9 serves as the web application platform. The GIS module is based on ESRI ArcIMS 3.0
- The thematic mapping option will be installed later this month.



Some Ideas for the Future

- Evaluate results by monitoring usage and users' evaluation
- Include more geographic layers
- Include additional domains
- Add (soon) GIS capabilities for both geographic menu and for displaying results
- Collaborate with European agencies of regional statistics

<http://geobase.huji.ac.il>

Thanks

for

your

attention

Any questions ??

