



# The GEOSTAT project

Work Package 1  
User Needs Survey  
Preliminary results  
(as of 28th of September 2010)

*European Forum for Geostatistics  
Tallinn 5th – 7th of October 2010*

The GeoStat project

Mag. Ingrid Kaminger  
Kartographie und GIS  
STATISTIK AUSTRIA  
Guglgasse 13  
A-1110 Wien  
Tel : ++43 -1- 71128-7773  
Fax : ++43 -1- 7128622  
E-mail: [Ingrid.Kaminger@statistik.gv.at](mailto:Ingrid.Kaminger@statistik.gv.at)

# User Needs Survey

## User Needs Survey

European Forum of Geostatistics ([www.efgs.info](http://www.efgs.info)) is carrying out the ESSNet Grant "GEOSTAT- Representing Census data in a European population grid". One of the main aims of the GEOSTAT project is to analyse the users needs of the grid based statistics. We highly appreciate your response to the questions below. This will facilitate to meet the needs of grid based statistics users. Answering to the questions takes ca 15 minutes. Should you need any assistance please contact: [diana.makarenko-piirsalu@stat.ee](mailto:diana.makarenko-piirsalu@stat.ee) Thank you! EFGS Steering Committee

Question details

**1. Name:****2. Surname:****3. E-mail:****4. Address:****5. Phone No.**

Please enter a phone No. including the country code

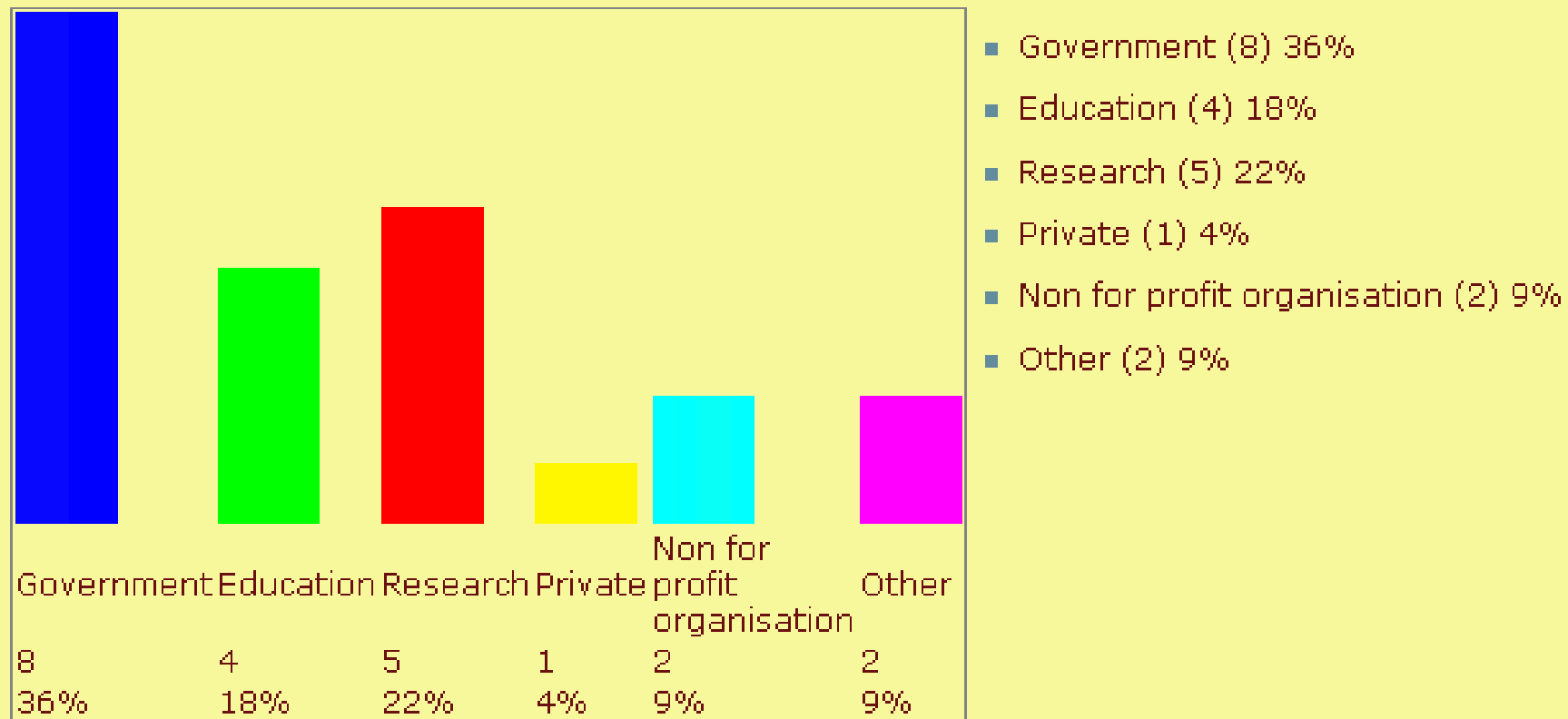
**6. Name of the institution:**

The survey could be filled anonymously. However it included fields for contact details. This was voluntary information and not required

Preliminary results  
as of Sept. 28th 2010  
25 answers

# Main activity

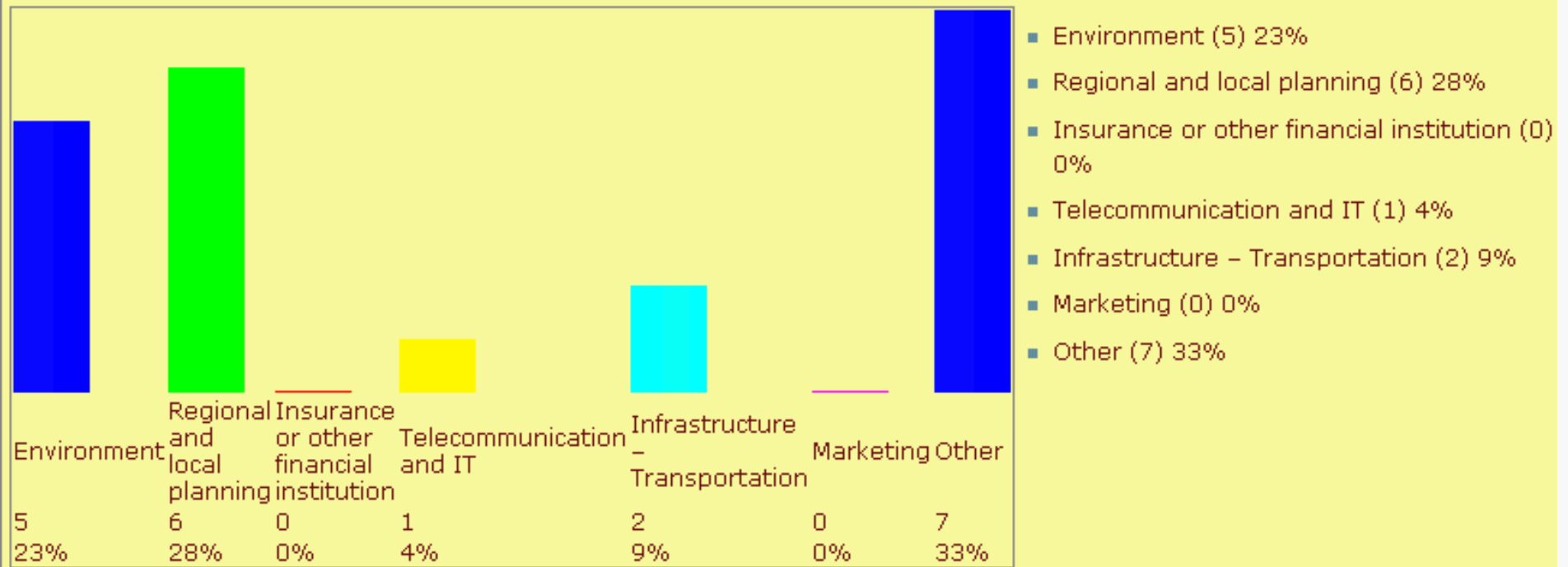
Totals for 7. Please select the sector of main activity for your institution.:



Other: urban and regional planning

# Field of work

Totals for 8. Please select the field of main activity for your institution. :



Other: selfgoverning professional association  
Research



## 9. purpose/use of grid based statistics?

- Population: resident, distribution, change, decline, ...
- quantitative geography, Analysis of population and settlement change
- Definition of Rural/urban areas
- city and regional planning, transportation
- Regional analysis of heat energy demand for housing
- Allocation of new hospital
- Feasibility studies about a rural people-mover system  
<http://www.buschbacher.at/rimpunktbahnen.html>
- To calculate population's accessibility to different public and private services. <http://www.tillvaxtanalys.se/sv/statistik/geografisk-analys-pipos/>
- to improve the Spatial Data Infrastructures building, the geoinformation usage and awareness



## 9. purpose/use ... (cntd)

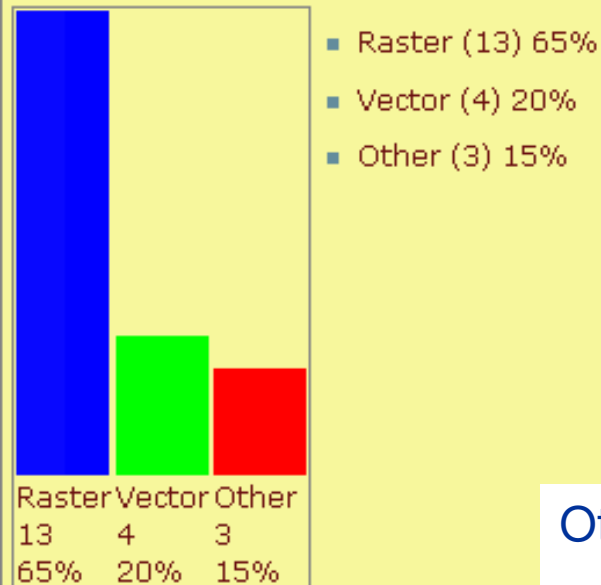
- Business GIS Analysis; making value zones using real property transactions data
- Disaggregation of socio-economic data and combination with environmental raster data
- EU Project , [www.fp6.gmes-geoland.info](http://www.fp6.gmes-geoland.info)
- land resource information in grid format and integration of our information with data from other sectors, including population data
- Landscape sensitivity analysis → support decision making in strategic planning processes
  - (1) establishing a spatial "meta-indicator" by integrating ecologic, economic, and social aspects (dimensions) and
  - (2) mapping it using sensitivity units showing the spatial variation and dynamic of impact sensitivity to plans and programmes.



# GIS format

## Totals for 10. In which GIS format you would prefer to receive the grid based statistics? :

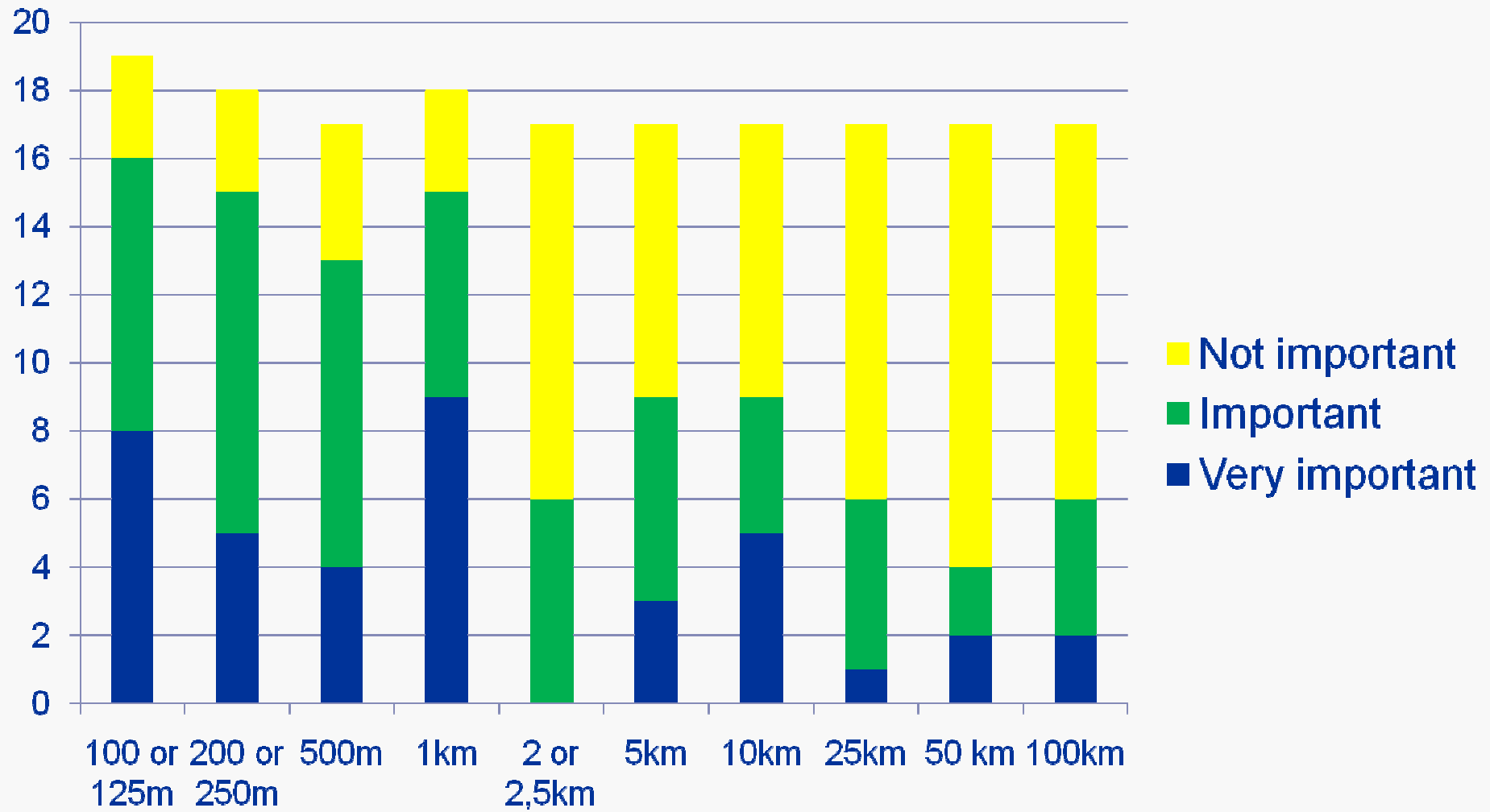
If "other" please specify concrete file format (as .tif, .shp, .gdb, .csv etc).



### Other:

- Shp
- any, including standardised remote services
- Table with standardized grid cell reference that can be linked to geospatial representations

# 11. Importancy of Grid cell sizes?



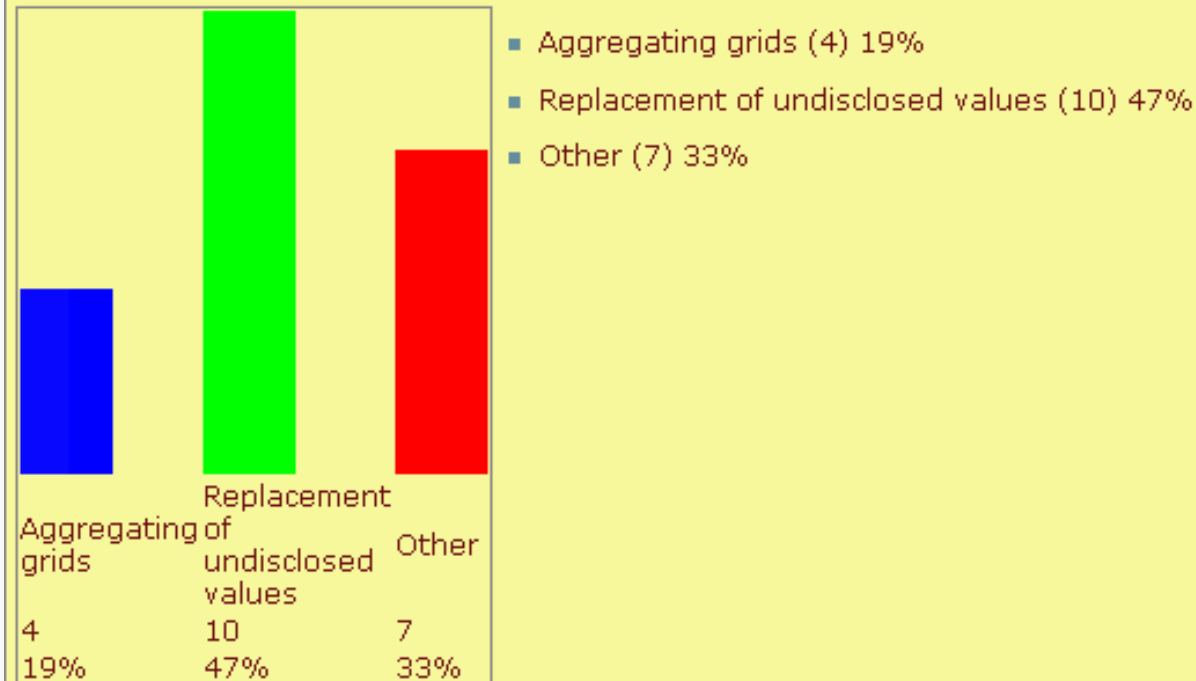




# Method for Data Disclosure

## Totals for 12. Please select the most preferable method for data disclosure:

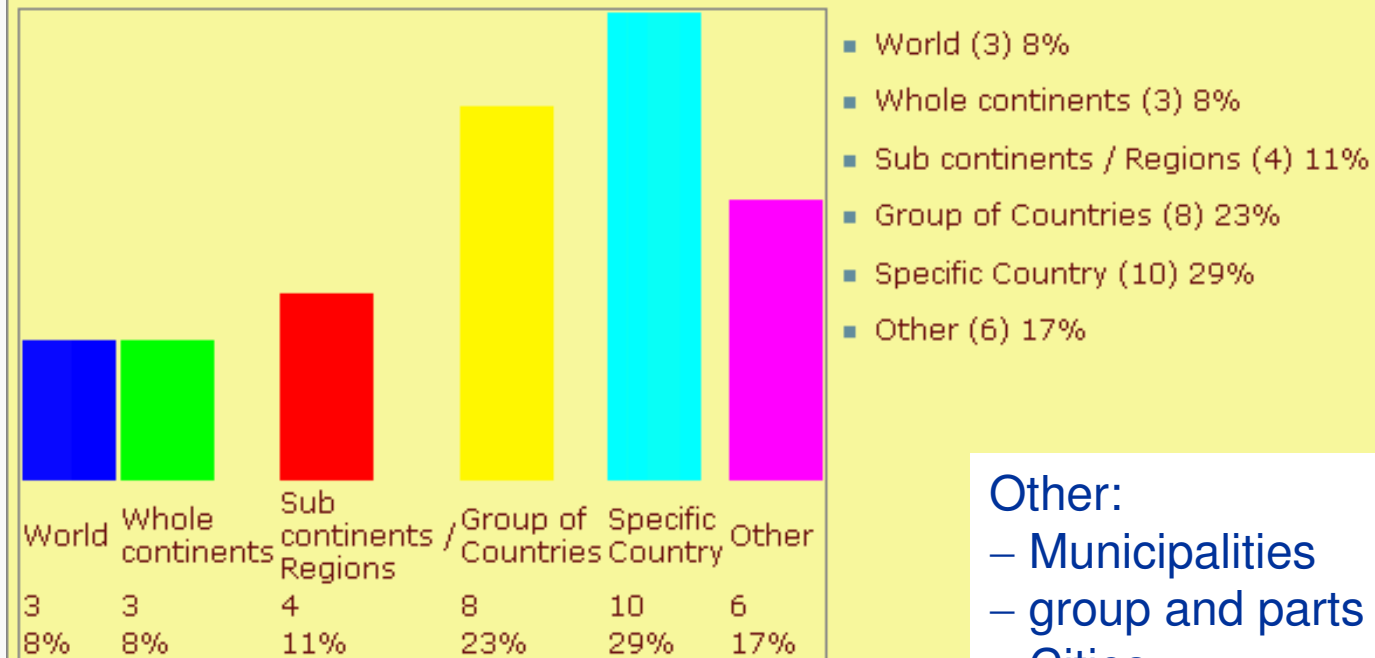
Due to data confidentiality reasons in disseminating statistics, grid data cannot get disclosed without restrictions. Various methods are in use, all bearing disadvantages – either loss in data or loss in spatial accuracy. • Aggregating grids. The layer of the data contains grids of different size filling up the whole territory. • Replacement of undisclosed values with another number or character (for example 99999999). This method will result in loss of data but the grid size remains the same throughout the dataset.



# Geographic area

Totals for 13. Please select the geographic area you would need the grid based statistics for:

More than one choice can be selected. Please use the Ctrl button and mouse for selecting.



## Other:

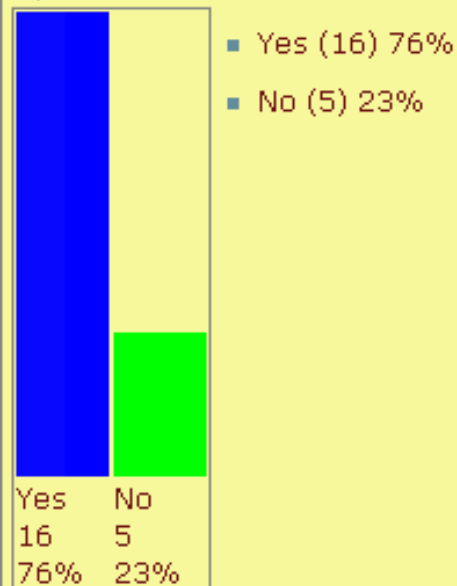
- Municipalities
- group and parts of municipalities
- Cities
- urban zones
- subnational divisions



# Provider

## Totals for 14. One package - one provider:

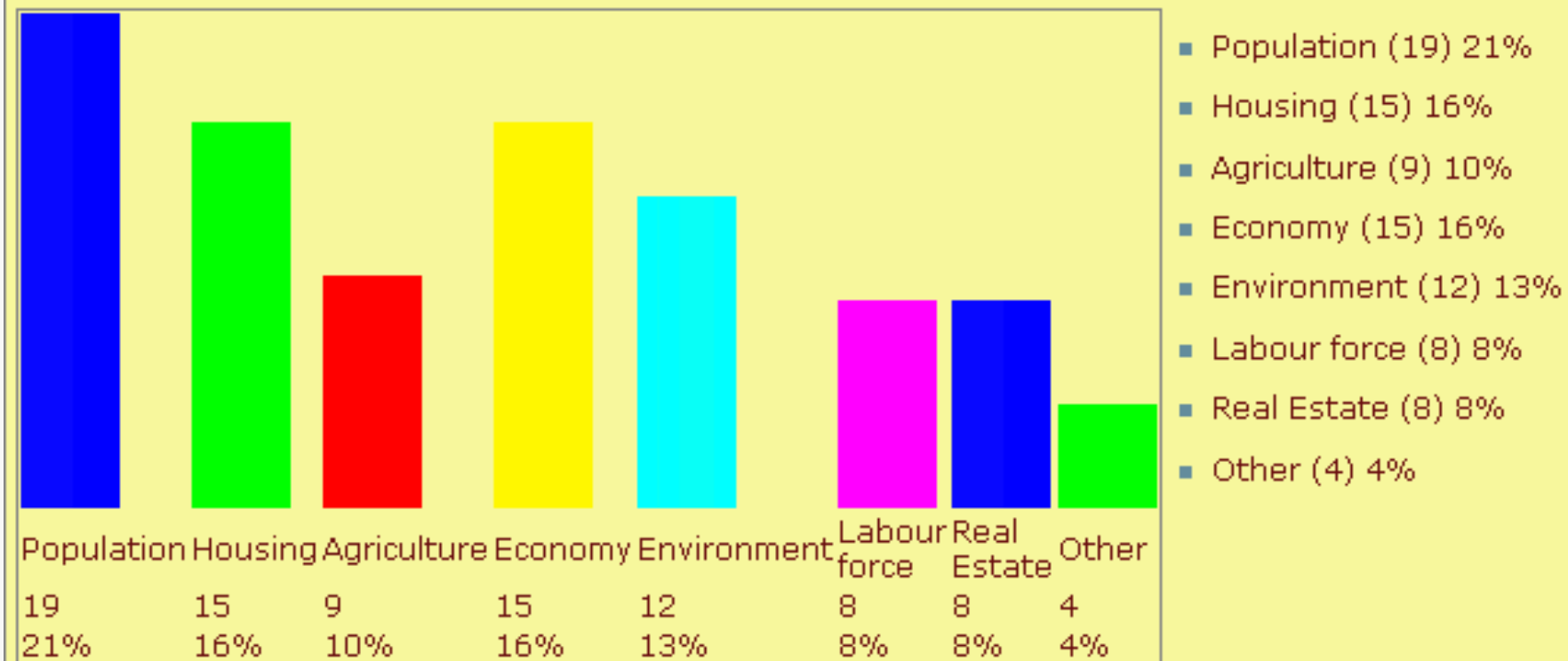
Would you like to receive the grid based datasets covering all of Europe in one package from one provider (for example from EFGS)?  
Currently the grid based statistics can be ordered from some national statistical institutions. The spatial territory is normally a country and/or a part of it.



# Fields of statistics

## Totals for 15. Which fields of statistics do you need on the bases of grids?:

More than one choice can be selected. Please use the Ctrl button and mouse for selecting.





## 16. Free comments...

- ...so many fields in which grids can be applied...
- ...very useful also for land cover, land use, agriculture, forestry and landscape analysis...
- ... and an excellent tool for combining our data with data from other institutions...
- ...attempts to create an European service on geostatistics is encouraging...

**Thanks for your contributions!**

