

Partnership for Good Governance
Գործընկերություն հանուն լավ կառավարման



EUROPEAN UNION

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Local finances comparative assessment and web-tool for indicators

Davit Margaryan

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Included target communities



20 target communities are included in the program of which 18 are multi-settlement (amalgamated) communities newly formed during the first and second stages of administrative-territorial reforms that took place in the Republic of Armenia.

The mentioned communities are:

Tatev, Dilijan, Toumanyan

Arpi, Ashotsk, Amasia, Sarapat, Noyemberyan, Ayrum, Koghb, Urtsadzor, Vayk, Jermuk, Zaritap, Gorayk, Tegh, Goris, Meghri,

Abovyan and Ashtarak

Implementation of the assessment



In 2015 and 2016, the assessment was conducted with the help of an expert, through a questionnaire developed in respective format.

Those specialists from the financial department and colleagues from the community staff took part in the assessment who had full information about the work conducted in the community and the activity of the local authorities.

Such method of assessment was evidently easy for the communities.

However, later the assessment should be conducted on their own.

Web-tool

Web-tool for indicators of comparative assessment



The web-tool for indicators of Local finances comparative assessment is currently uploaded on the following web-site:

<http://application.cfoa.am/>

Web-tool for indicators of comparative assessment



In accord with the logics of the tool structure, the included communities were to be classified according to a certain criteria.

Those criteria were selected while coordinating with the RA Ministry of TAD.

Those are:

- **Number of population**
- **Distance from the capital**
- **Elevation.**

Web-tool for indicators of comparative assessment

The mentioned criteria were to be divided into sub-groups, too.
The criteria were divided into the following sub-groups.

Number of population

- Having up to 1 000 residents
- Having from 1 001 to 5 000 residents
- Having from 5 001 to 15 000 residents
- Having from 15 001 to 25 000 residents
- Having more than 25 001 residents

Web-tool for indicators of comparative assessment



Distance from the capital

- Up to 60km
- From 60.01 to 120km
- From 120.01 to 200km
- More than 200.01km

Elevation

- Up to 1 200m
- From 1201 to 1 700m
- From 1 701 to 2 000m
- More than 2 001m

Web-tool for indicators of comparative assessment



Program localization problems

Web-tool for indicators of comparative assessment



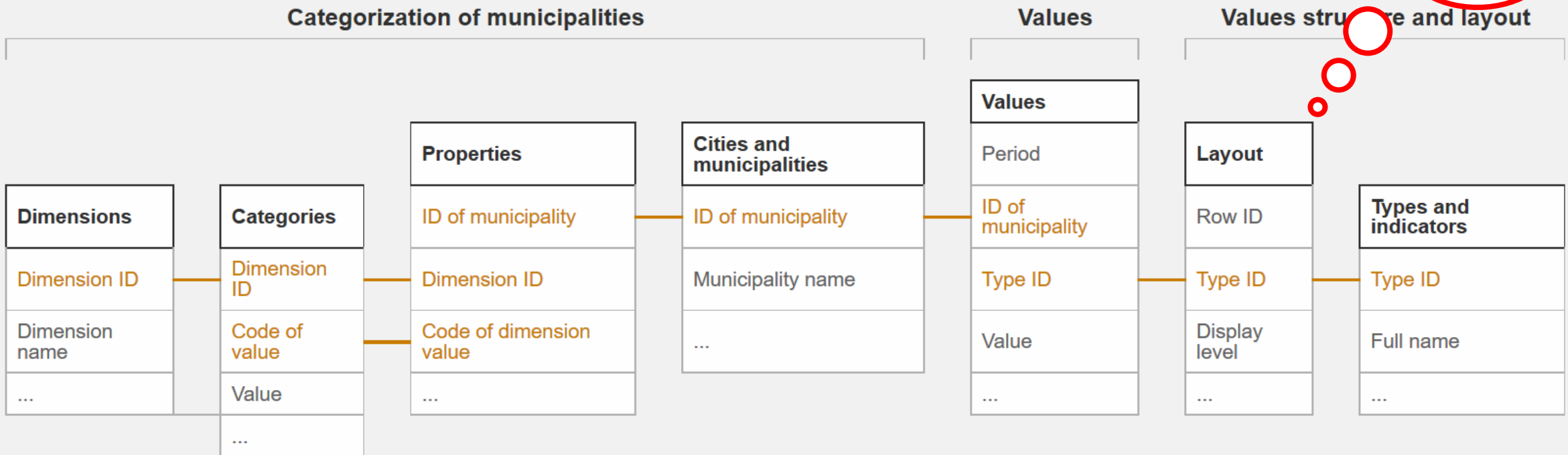
Web-tool localization problems

1. **Logics of the program structure of the tool**
2. **Non-interactivity of the general interface**
3. **The base for entering data is non-automated**
4. **The need to enter the same data multiple times, and the lack of opportunity to correct mistakes**
5. **The need for basic knowledge in web-programming**
6. **Impossibility of entering and extracting texts in Armenian Unicode**

Web-tool localization problems

Logics of the program structure of the tool

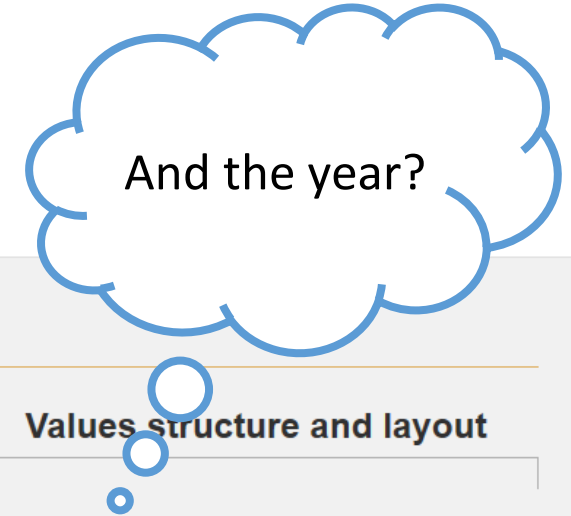
Scheme of data tables



What is the logic of saving data in separate TABs?

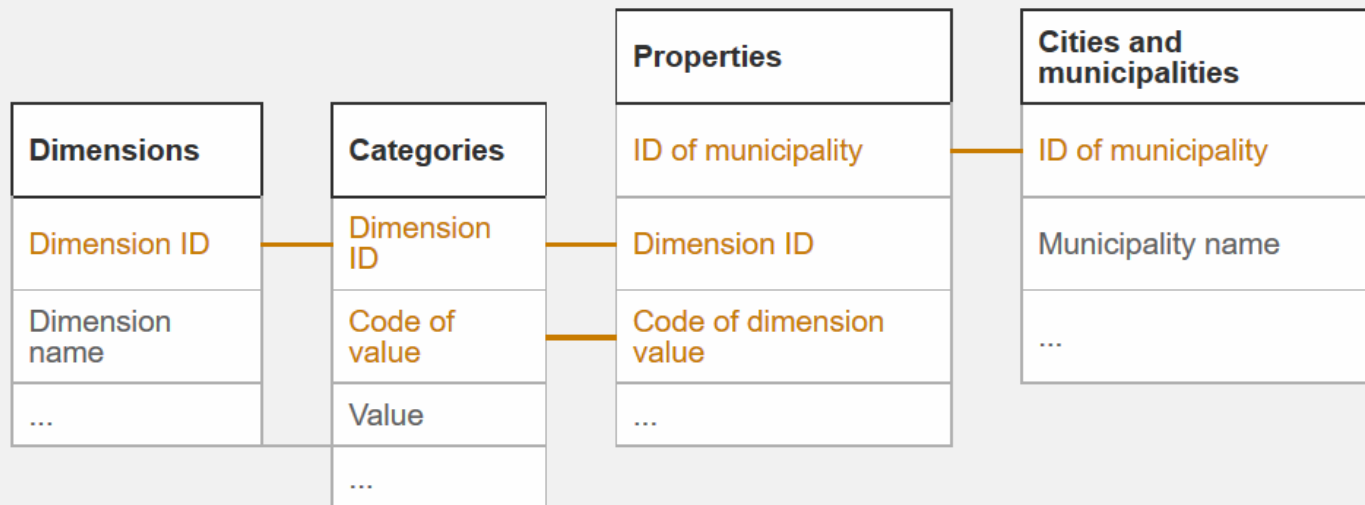
Web-tool localization problems

Logics of the program structure of the tool



Scheme of data tables

Categorization of municipalities



Values

Values
Period
ID of municipality
Type ID
Value
...

Values structure and layout

Layout	Types and indicators
Row ID	Type ID
Type ID	Full name
Display level	...
...	

Web-tool localization problems

Non-interactivity of the general interface

#	Actions	Dimension ID Filter Set value	Code of value Filter Set value	Value Filter Set value	Order Filter Set value	Maximum level of user (optional) Filter Set value	Added by level (automatic) Filter Set value	Date added (automatic) Filter	Date edited (automatic) Filter
1	Edit Copy Delete	alt	11	մինչև 1400 մ	1		1	18. Aug 2017	7. Sep 2017
2	Edit Copy Delete	alt	12	1401-ից 1700 մ	2		1	18. Aug 2017	7. Sep 2017
3	Edit Copy Delete	alt	13	1701-ից 2000 մ	3		1	18. Aug 2017	7. Sep 2017
4	Edit Copy Delete	alt	14	2000 մ-ից ավելի	4		1	18. Aug 2017	7. Sep 2017
5	Edit Copy Delete	area	21	մինչև 30.00 քառ.կմ	1		1	26. Jun 2017	7. Sep 2017
6	Edit Copy Delete	area	22	30.01-ից 200.00 քառ.կմ	2		1	26. Jun 2017	7. Sep 2017
7	Edit Copy Delete	area	23	200.01 քառ.կմ-ից ավելի	3		1	18. Aug 2017	7. Sep 2017
8	Edit Copy Delete	distance	31	մինչև 60 կմ	1		1	18. Aug 2017	7. Sep 2017
9	Edit Copy Delete	distance	32	60.1-ից 120 կմ	2		1	18. Aug 2017	7. Sep 2017
10	Edit Copy Delete	distance	33	120.1-ից 200 կմ	3		1	18. Aug 2017	7. Sep 2017
11	Edit Copy Delete	distance	34	200.1 կմ-ից ավելի	4		1	18. Aug 2017	7. Sep 2017

Web-tool localization problems

Non-interactivity of the general interface

We found the years, BUT.....

#								Maximum level of user (optional)	Added by level (automatic)	Date added (automatic)	Date edited (automatic)
	Edit	Copy	Delete					Filter Set value	Filter Set value	Filter	Filter
1	Edit	Copy	Delete	2015.000	goris	fin_res_i_i_1	7	1	1	7. Sep 2017	7. Oct 2017
2	Edit	Copy	Delete	2015.000	tegh	fin_res_i_i_2	8	1	1	7. Sep 2017	7. Sep 2017
3	Edit	Copy	Delete	2015.000	tegh	fin_res_i_i_1	8	1	1	7. Sep 2017	7. Sep 2017
4	Edit	Copy	Delete	2015.000	goris	fin_res_i_i_2	8	1	1	7. Sep 2017	7. Sep 2017
5	Edit	Copy	Delete	2015.000	meghri	fin_res_i_i_2	8	1	1	7. Sep 2017	7. Sep 2017
6	Edit	Copy	Delete	2015.000	meghri	fin_res_i_i_1	8	1	1	7. Sep 2017	7. Sep 2017
7	Edit	Copy	Delete	2016.000	meghri	fin_res_i_i_1	8	1	1	7. Sep 2017	7. Sep 2017
8	Edit	Copy	Delete	2016.000	goris	fin_res_i_i_1	8	1	1	7. Sep 2017	7. Sep 2017
9	Edit	Copy	Delete	2016.000	goris	fin_res_i_i_2	8	1	1	7. Sep 2017	7. Sep 2017
10	Edit	Copy	Delete	2016.000	tegh	fin_res_i_i_1	7	1	1	18. Aug 2017	18. Aug 2017

.....crime against reason © D. Margaryan

Web-tool localization problems

The base for entering data is non-automated

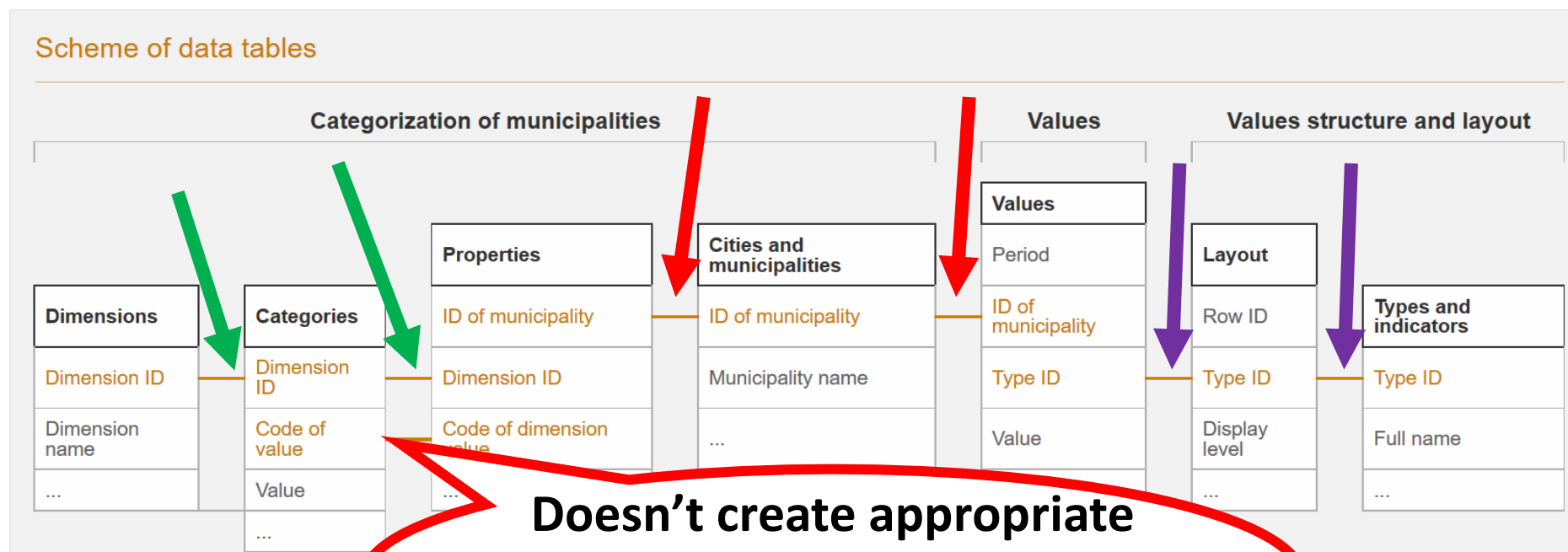
#	Actions	ID of municipality <small>Filter Set value</small>	Dimension ID <small>Filter Set value</small>	Code d'identification <small>Filter Set value</small>	Valid <small>Filter Set value</small>	Added by level (automatic) <small>Filter Set value</small>	Date added (automatic) <small>Filter</small>	Date edited (automatic) <small>Filter</small>
1	<small>Edit Copy Delete</small>	goris	distance	33		1	26. Jun 2017	7. Sep 2017
2	<small>Edit Copy Delete</small>	goris	alt	12		1	26. Jun 2017	7. Sep 2017
3	<small>Update Cancel</small>	goris	area	22		1	18. Aug 2017	7. Sep 2017
4	<small>Edit Copy Delete</small>	goris	popul	41		1	18. Aug 2017	7. Sep 2017
5	<small>Edit Copy Delete</small>	meghri	distance	33		1	18. Aug 2017	7. Sep 2017
6	<small>Edit Copy Delete</small>	meghri	alt	12		1	18. Aug 2017	7. Sep 2017
7	<small>Edit Copy Delete</small>	meghri	area	22		1	3. Jul 2017	7. Sep 2017
8	<small>Edit Copy Delete</small>	meghri	popul	41		1	3. Jul 2017	7. Sep 2017
9	<small>Edit Copy Delete</small>	tegh	distance	33		1	18. Aug 2017	7. Sep 2017
10	<small>Edit Copy Delete</small>	tegh	alt	12		1	26. Jun 2017	7. Sep 2017
11	<small>Edit Copy Delete</small>	tegh	area	22		1	26. Jun 2017	7. Sep 2017
12	<small>Edit Copy Delete</small>	tegh	popul	41		1	18. Aug 2017	7. Sep 2017

**NO DROP
DOWN LIST !!!!**

Web-tool localization problems

The base for entering data is non-automated

The need to enter the same data multiple times, and the lack of opportunity to correct mistakes



Doesn't create appropriate lines and values in different tabs automatically!!!!

Web-tool localization problems

Impossibility of entering and extracting texts in Armenian Unicode

Import CSV Insert new row Hide explanatory notes Export CSV (42 rows) Delete (42 rows)

Rows per page: 250 Rows 1 - 42 of 42 Filters: 0

#	Actions	Name <small>Filter Set value</small>	Category <small>Filter Set value</small>	Value <small>Filter Set value</small>	Explanation (optional) <small>Filter Set value</small>	Added by level (automatic) <small>Filter Set value</small>	Date added (automatic) <small>Filter</small>	Date edited (automatic) <small>Filter</small>
System								
1	<small>Edit Copy Delete</small>	admin_email	system	abraham@cfoamail.am	Email of main administrator (or person that deals with user problems).	1	29. Mar 2017	29. Mar 2017

A green arrow points from the 'Import CSV' button to the 'Name' column header. A red arrow points from the 'Export CSV (42 rows)' button to the 'Explanation (optional)' column header.

Web-tool localization problems



SOLUTION

We developed simplified files of MS EXCEL program, which

- 1. Enable the communities to enter the indicator results into the file in a simplified manner**
- 2. Enable the web-site service specialist to combine and encode them**
- 3. Enable entering the data into the database in a grouped and “intelligible” for the web-tool language manner**

Web-tool localization problems



SOLUTION

The first of the mentioned files, and was introduced to the communities.

The latter is completely consistent with the structure and form of the already implemented paper-based assessment, which does not create any additional difficulty.

However, the latter does not solve the problem of concurrent use of the tool by the users and updating of the data.

Web-tool localization problems

SOLUTION

The proposed solution is not the best, but under current conditions, it is the most optimal one.

The preference is given to working directly in the web-tool.

With its current appearance, the tool will create great difficulties for the communities when working on their own.

The ready web-tool.



INTERACTIVE PRESENTATION