

13th LANDNET Workshop (Skopje, North Macedonia)

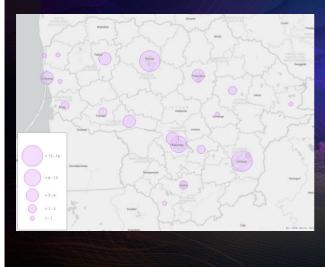
Giedrius Pašakarnis, Ph.D Lecturer at Vytautas Magnus University

#### Introduction (Global situation)



#### Introduction (Lithuania)

In Lithuania 952 land managers / land use planners;



- Certificates of LC qualification (2005-2017);
- 85 are qualified to implement LC projects;

35%

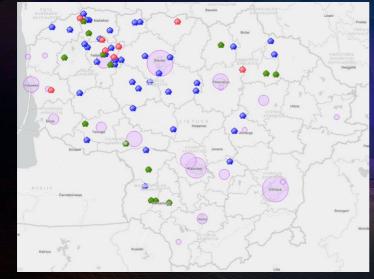
14 certificates at SLF (LC projects organizer);

65%

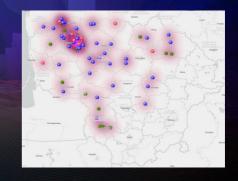
3

#### Introduction (3)

Concentration of certified surveyors vs. Implemented LC projects

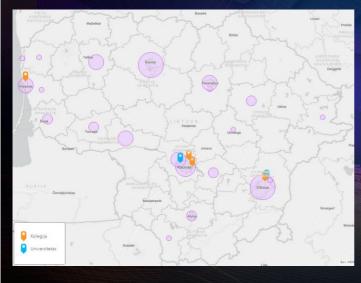


Situation in Lithuania: 61 LCP; 14 LCP (2004-2006); 39 LCP (2007-2013); 8 LCP (2014-2020).



## Academic situation

Concentration of certified surveyors vs. Academic institutions



#### Academic institutions teaching land surveying:

- 2 Universities (BSc, MSc)
  - VMU Land management focus;
  - VilniusTech Geodesy focus;
- 4 Colleges (Non university BSc)
  - 3 Geodesy focus;
  - 1 land management focus;

#### Academic situation (2)

**4** Colleges (Non university BSc)

VilniusTech university (BSc, MSc)

 Studies are geodesy oriented.
Vytautas Magnus University – Students gets basic understanding about land management and just an introduction to LC within Land management lectures;

Vytautas Magnus University (MSc)

only one University in Lithuania preparing land management specialists (BSc -> MSc);

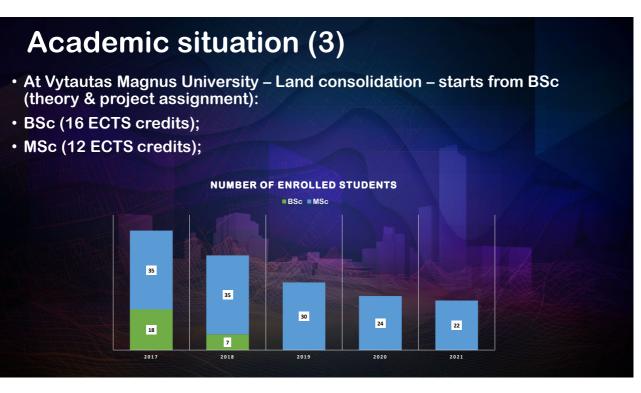
5

#### Necessary knowledge for LC professionals

Land consolidation is complex procedure...

- Law (Land law, bylaws,...);
- Geodesy and cadastral surveying;
- GIS, LIS, cartography;
- Spatial and land use planning;
- Real estate valuation;
- Psychology, negotiations, conflict resolution;
- Soil science, civil engineering and construction, environmental protection, ...





#### **Encouraging youth**

Schools visits (career days, GIS days);



Video lectures;

#### Encouraging youth (2)

Playing "Move a lot" during coffee breaks



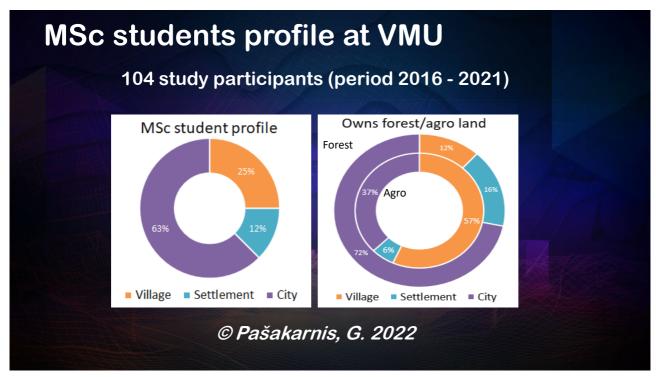


### Encouraging youth (3)

Articles in popular news portals;

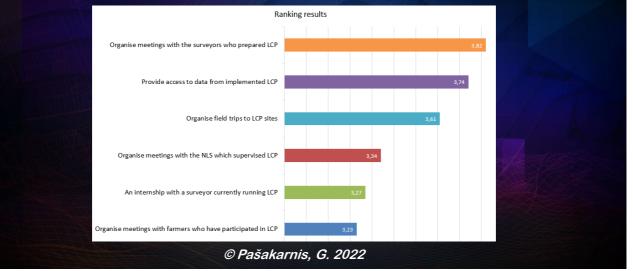
Articles in magazines;





#### How to meet students' expectations?

Rank in order of importance how educational institutions can help students better understand land consolidation



13



#### How to meet students' expectations?





#### Supervised MSc thesis about LC

**Defended thesis:** 

- Land consolidation within Rail Baltica project x 2;
- Measuring the effects of implemented LC project x 2;
- Proposal to apply LC in certain territory x 2;

Thesis in progress:

- Proposals on national LC strategy update;
- Proposal to apply LC on forest land;
- Connecting LC with other rural development programmes;

#### Conclusions

- Set capacity building as a priority into land consolidation strategy;
- Focus on opening the data: OpenData & spatial data;
- Organize field trips (potential areas, ongoing project sites, finished project sites) and meetings with land surveyors, local authorities, land owners, ...
- Finance research, articles, case studies and thesis on LC;
- Annual knowledge sharing events, inviting other beneficiaries (environmentalists, governmental authorities, farmers associations...);
- Establishing knowledge HUBs (network of professionals);
- Institutional collaboration (locally and internationally);

# Thank you! Q&A



VYTAUTAS MAGNUS UNIVERSITY мсмххіі







Giedrius Pašakarnis, Ph.D

Lecturer at the Dep. of Land use planning and geomatics Vytautas Magnus University Agriculture Academy