



C+LR KEN

Cadastre + Land Registry Knowledge Exchange Network

Workshop Beyond Limits - Developments in Cadastral Domain 19-20 March 2015, Zurich, Switzerland



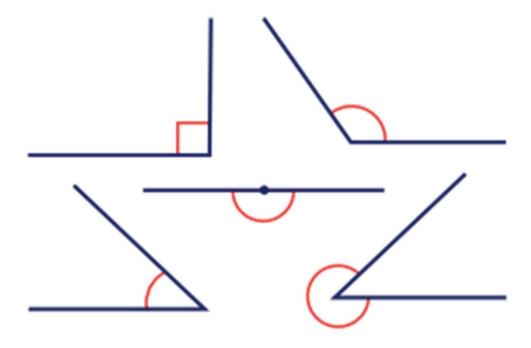


GEO SKILLS PLUS





Cooperation



Source: www.getgeometry.com



Awareness Raising







Gap Analysis

- 1 GAP (SHORTAGE OF GEO SPECIALISTS)
- 2 SURPLUS OF GEO SKILLED SPECIALISTS



Case The Netherlands - 2008



A Mismatch in the Netherlands

- 2008
- Labour demands graduates:
- ± 125 graduate Vocational level
 ± 120 graduate Bachelor level
- ± 80 graduate Masters level.
- Only 16 to 23% of this demand is realized





Geo Employment Market Foundation Results

- Establishment of cooperation model
 - Private sector
 - Public sector
 - Education
- Awareness Raising Campaign 'Go Geo'
- Bridging the gap: New curricula and renewed programs
 - GI Minor
 - GeoMedia & Design
 - Surveying Program at VET level



European Approach 2013 - ... (beyond limits)



GEO SKILLS PLUS will bundle and examine additional examples...



- Of cooperation
- Of raising awareness activities
- Of bridging the gap activities

• ... in Europe





The Work Packages

Work package 1

Cooperation Model

Work package 2

Awareness Raising Work package 3

Bridging the Gap

Work package 4

Dissemination

Work package 5

Project
Management
and Progress
Reporting



Project Partners















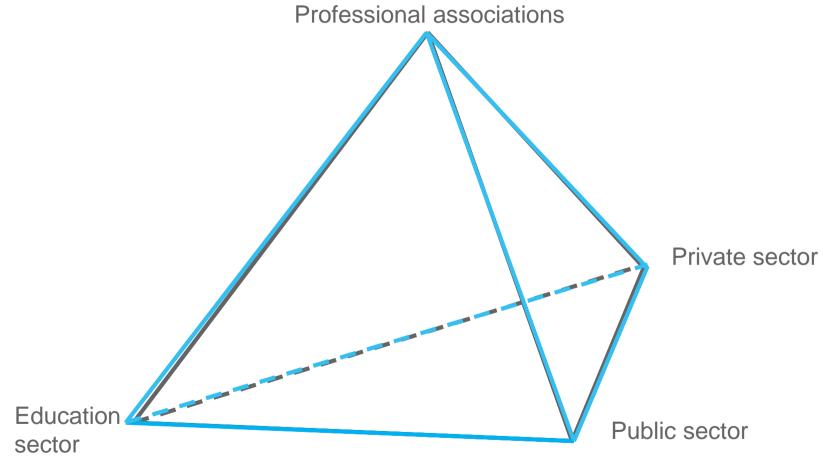




First results



Golden Pyramid





VET - Three levels of surveying

Address the need of VET at different levels

- Technician
- Bachelor
- Master





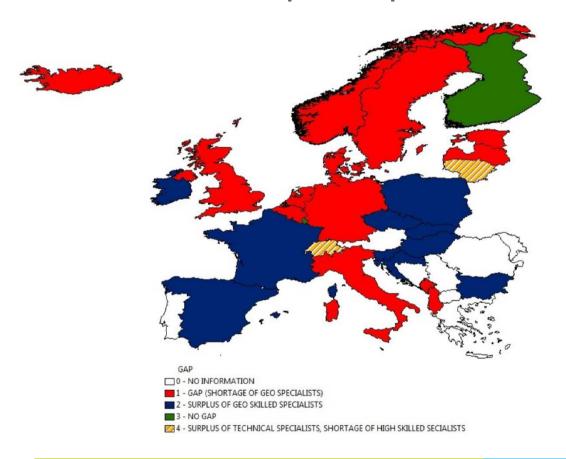
Awareness Raising

Activity	Deliverables	Туре	Overview
Problet	Hands-on workshops at schools (16 years obstudents) about geo-related practical elements. The project is currently running: http://cartogis.ugent.be/geomobiel/	Mass and personal communic ation	The Geomobiei project is financed by the Agency for entrepreneurship in Flanders. The partners are AGORIA (trade federation including the Beiglan GEO-ICT private sector agoria.be/geo-ict), the university of Brussels (VUB); Gent (UGent) and Leuven (KULeuven)
Geo-Olympics	http://www.geo -olympiade.he/	Mass communic ation, education	Web-education tool, currently integrated in the Flemish Olympics for Natural Sciences
Applorgeo.be	A geo-related software app development workshop A history geo-app — bostalgeo, resulted from this event: http://www.appsforeurope.e u/article/sost algee	Education	The event took place on 26th of April 2013. A \$_bour long backstapp, where apps (web or mobile) were developed with a focus on \$Geodata in Open Data format. The event was co-organised by Apocia, GEO ICT, Apoda App Alliance, the Open Knowledge Foundation, IMods, Mobilemonder Bassels with support from different Geo-authorities.
Geospatial	Awards for the	Education,	On 28 May, the first edition of
Awards	AM/FM-GIS	personal	GepSpatial Awards held at the Balais
-: F \\C55	Belux and FLAGIS projects: http://www.amf mgis-belux.be/ and http://www.flagi sbe/	communic ation	des Colonies of Jepuren. The wards aims to reward innovative GIS implementations, restbods of spatial data acquisition as well as efficient partnerships to improve the "taking geospatial conscience" in a region or an industry.

			information between all stakeholders in the areas of manufacturing automatic card (AM: Automated Mapping), management of inputs (FM: Facility and GIS to encourage users to introduce these techniques in administrations and businesses.
Special day at the GeoEuro. 2013		Personal communicat ion, education	A special open day for secondary schools students. More is available here: http://www.geoexpo.be/welcome.php
Cartoon about the Land Surveyor	A cartoon, integrated in the Magazine of Surveyors		
Joint Edecadora	IT students PXL acquainted with geo-ICT sector Flanders	communicat	An event in PHL Congress met private and government organizations from the goo-ICT sector with students from the College for applied informatics PXL During roundtable discussions professionals suggested innovative geo-ICT functionalities. The students were introduced to the registration o localization data (using satellites, aeria photography or mobile mapping) and services based on geographic information and positioning (a geographical positioning of the development of smartphone applications for workstation use by e.g. fire brigade and the town of Hassett Diepenbeek.



Gap Analysis based on perception





Gap Analysis: mismatches

- Imbalance of the number of students and demand of the labour market
- Discrepancy between expectations of job market (employers) and student's professional abilities (qualification, knowledge, practical skills etc.), (lack of motivation for life learning)
- Variance between the fast technological development and delayed improvement of study curriculums
- Dissonance between narrow geo-specialized study programmes and multi-disciplinary needs of market
- Inadequacy between locally educated students and internationally widening market (internationalization of the geo-market)
- Analysis of the gap with the Analytical Hierarchy Process (Saaty)



Beyond Limits



Recommendations Beyond Limits

- New Cadastral dimensions requires different skills
 - Surveyors are architects of transformation and brokers of the transition process
 - Discuss the new dimensions in the pyramid
 - Analyse the gap, apply awareness raising
 - Develop of adapt (new) curricula & Life long learning
- Societal reinvention a transformation of society
 - Young skilled potential
- New semantics and languages and a new framework of understanding
 - Change is the new normal
- Europe as platform
 - Cross border skills exchange



Events



- Workshop 3 + Partner Meeting 3: Vilnius, Lithuania 6-7 May 2015
- Joint Event (Final conference): Brussels, Belgium End August / Begin September 2015





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