

Statistical unit 'enterprise' and qualitative variables

Effects and practical difficulties in compilation of the statistics

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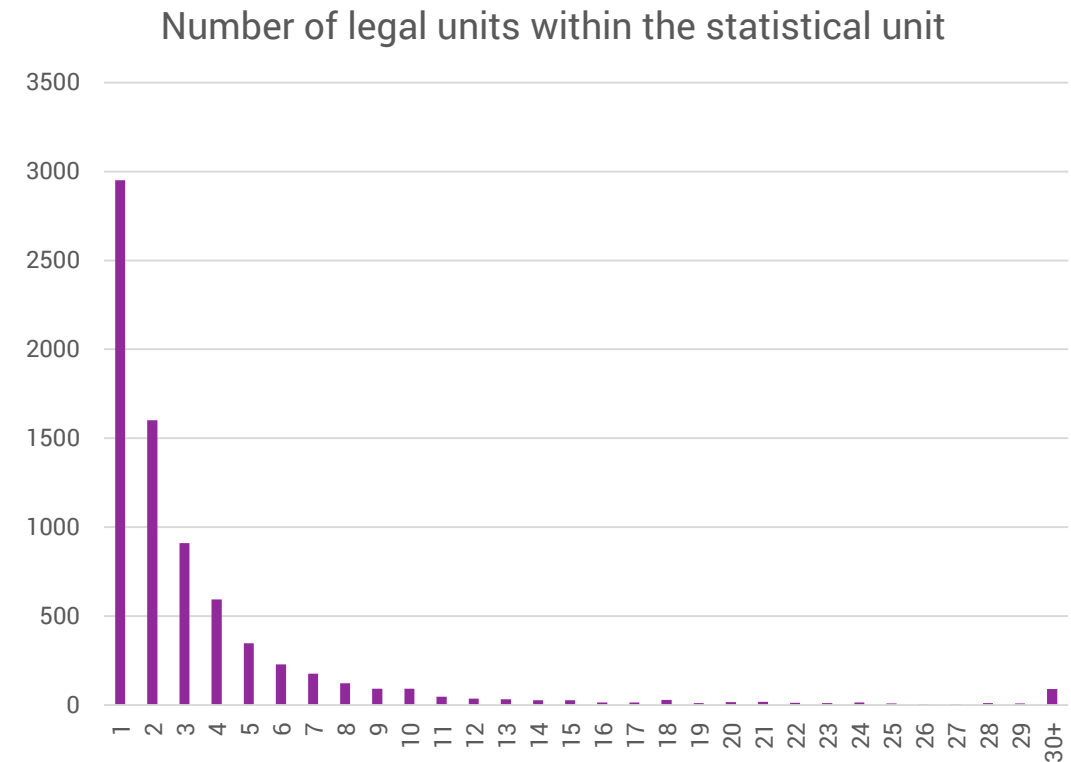


Background

- Impact assessment - surveys with statistical unit ENT
- Database for tests - a database with enterprises created from manual and automatic profiling
- Effects on frame, population, quality etc.
- Community innovation survey is used as example, but results in many ways general

General effects on frame and population

- 23 complex units in the last survey, after implementation 4598 (in total 30.000 LEU)
- Majority small number of LEU within the statistical unit
- Sample 9442 -> 7548 ENT
- The allocation of companies to region and NACE is constant, but changes in size class
- No (major) methodological changes needed in this aspect

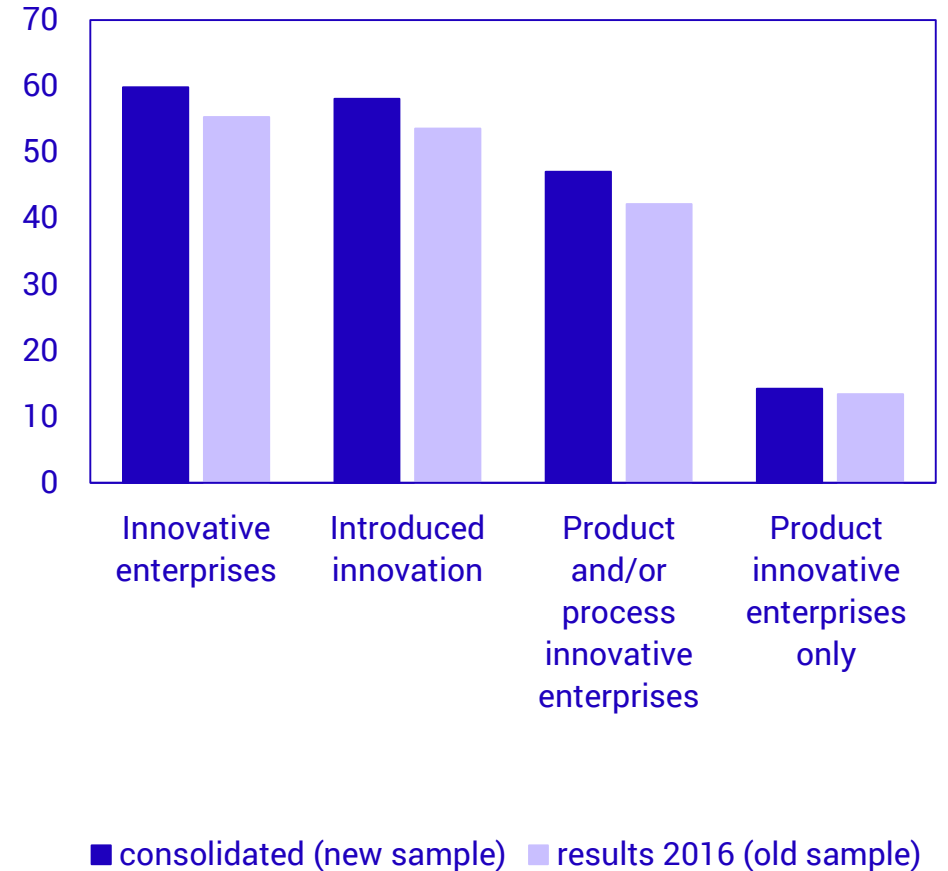


Direct collection of ENT qualitative data

- The increase of LEU in sample
- Risk -> measurement error
- Impossible to make all LEU reporting unit
 - > Required to sample all legal units?
 - > Who can answer for the enterprise?
 - > Different surveys different needs?
 - > Legal aspects?

Consolidate qualitative variables

- In the impact assessment: one legal unit 'yes' -> the statistical unit 'yes' (when nominal scale)
- Increase numbers of ENT with 'yes' in the population, but might depend on activity
- Effect is bigger when observation variable \neq main indicators



Consolidate when other measurement scales

2 Strategies and Knowledge Flows

2.1 During the three years 2016 to 2018, how important were the following strategies to the economic performance of your enterprise?

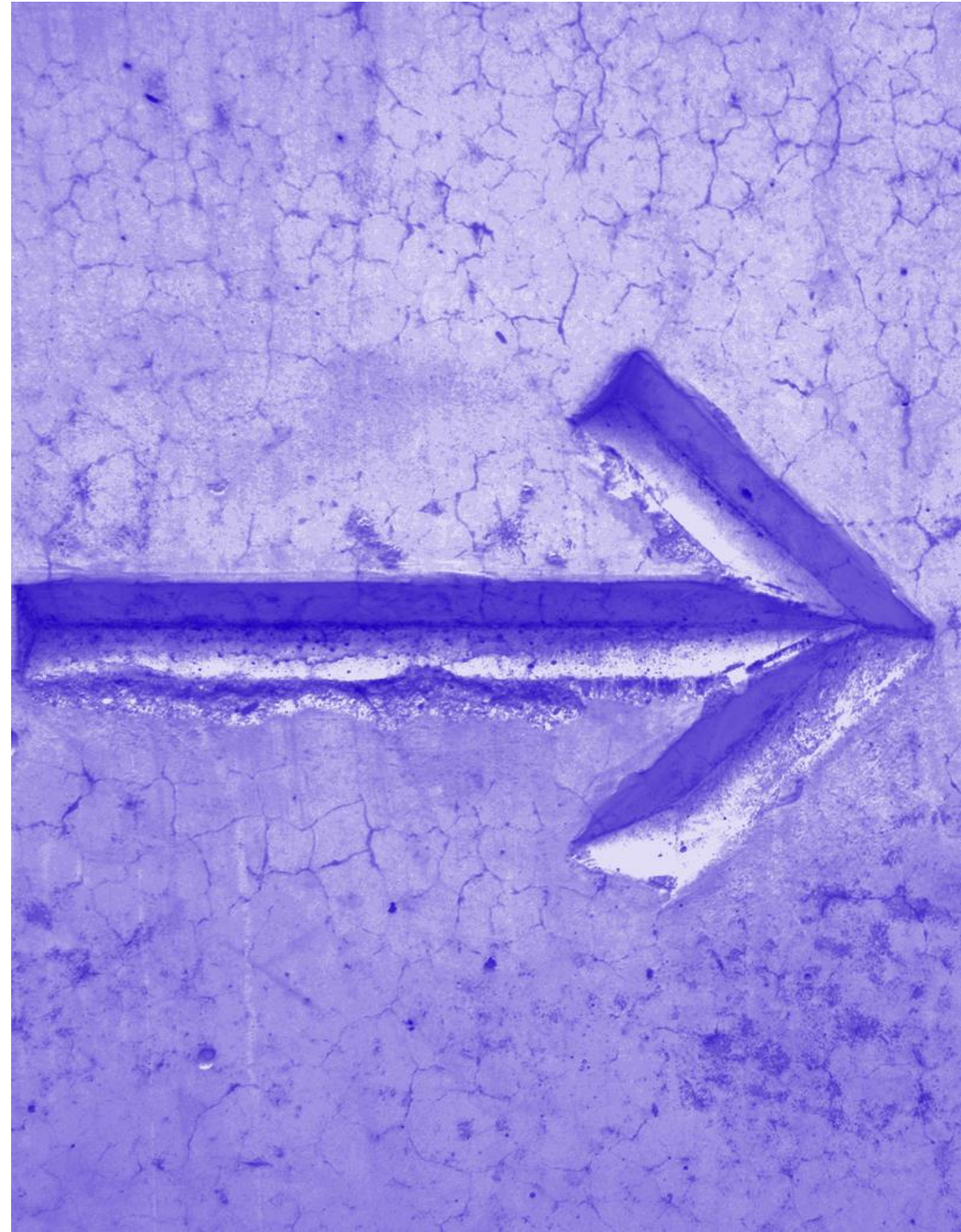
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	High	Medium	Low	Not important
	3	2	1	0
Focus on improving your <u>existing goods or services</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Focus on introducing <u>new goods or services</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Main takeaways

- Reporting unit more relevant than before, especially to capture activities
- Need consensus not only on statistical unit but also on reporting unit, principles for consolidating (incl all measurement scales) and related methods

Further questions

- Legal aspects?
- Best suited reporting unit?
- Models for consolidating (incl all measurement scales)?



Thank you!

