Needs

- Currently all countries provide NUTS1 data but 10 out of the 22 Member States concerned do not provide NUTS 2 level data.
- DG REGIO needs to monitor Cohesion Policy actions taking also into account poverty and social exclusion indicators before 2020 and from 2020 onwards, based on 2018 micro data onwards, to allocate funds using these indicators (NUTS2 level).
- Possibly estimated indicators until 2017 (SAE).
- **Microdata from 2018 onwards**
Precision required

$$SE(\hat{p}) = \sqrt{\frac{\hat{p}(1-\hat{p})}{f(N)}}$$

$$f(N) = a\sqrt{N} + b$$  
$$a=600 \quad b=0$$

<table>
<thead>
<tr>
<th>Number of HH</th>
<th>Eff. Sample size</th>
<th>SE (20%)</th>
<th>Confidence interval</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt; 250 000</td>
<td>Requirement à NUTS1</td>
<td>N.A.</td>
<td>N.A.</td>
</tr>
<tr>
<td>250 000</td>
<td>300</td>
<td>2.31</td>
<td>+/- 4.5</td>
</tr>
<tr>
<td>500 000</td>
<td>424</td>
<td>1.94</td>
<td>+/- 3.8</td>
</tr>
<tr>
<td>1 000 000</td>
<td>600</td>
<td>1.63</td>
<td>+/- 3.2</td>
</tr>
<tr>
<td>2 000 000</td>
<td>849</td>
<td>1.37</td>
<td>+/- 2.7</td>
</tr>
</tbody>
</table>
National action plans

- Compulsory in new IESS Regulation from 2019, before gentlemen agreement and capacity building (financial support DG REGIO)
- Better balancing the sample among regions and other sampling and weightings methods
- Using administrative data
- Increasing the sample size
- Providing *micro data* using *models based* on small areas estimates methods (INSEE)
Thank you!

For any further suggestions/recommendations please contact:

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