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QE6 score calculation

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10 yrs LPIS QA Workshop, Varese, 13/03/2019
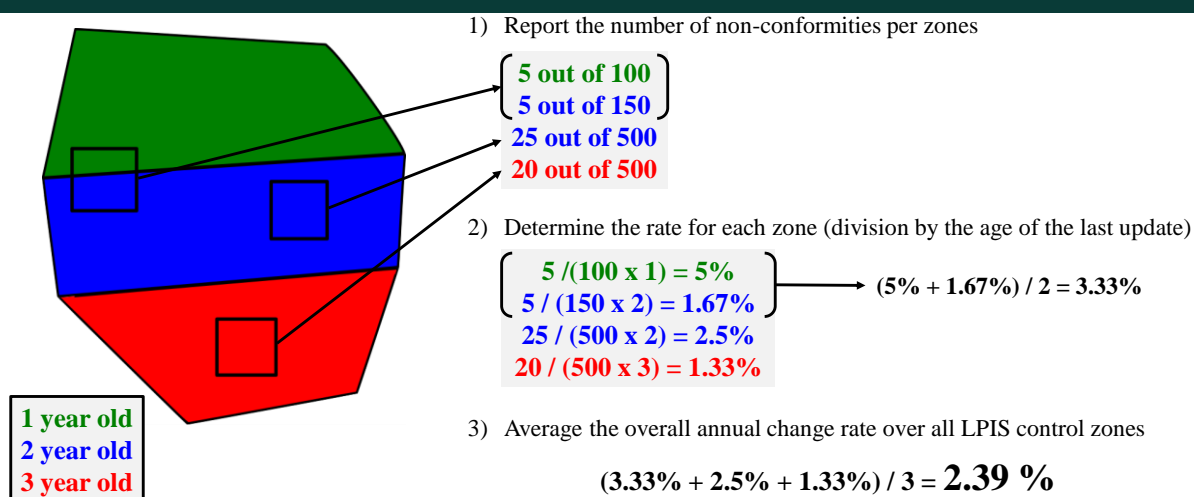
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QE6 in few words

- Cumulated rate of non-conformities due to undetected or unaccounted land cover changes (LPIS_RP_CMC)

- Expected value (conformance class 2): ''QE6 < 25%''

- Two steps of computation:
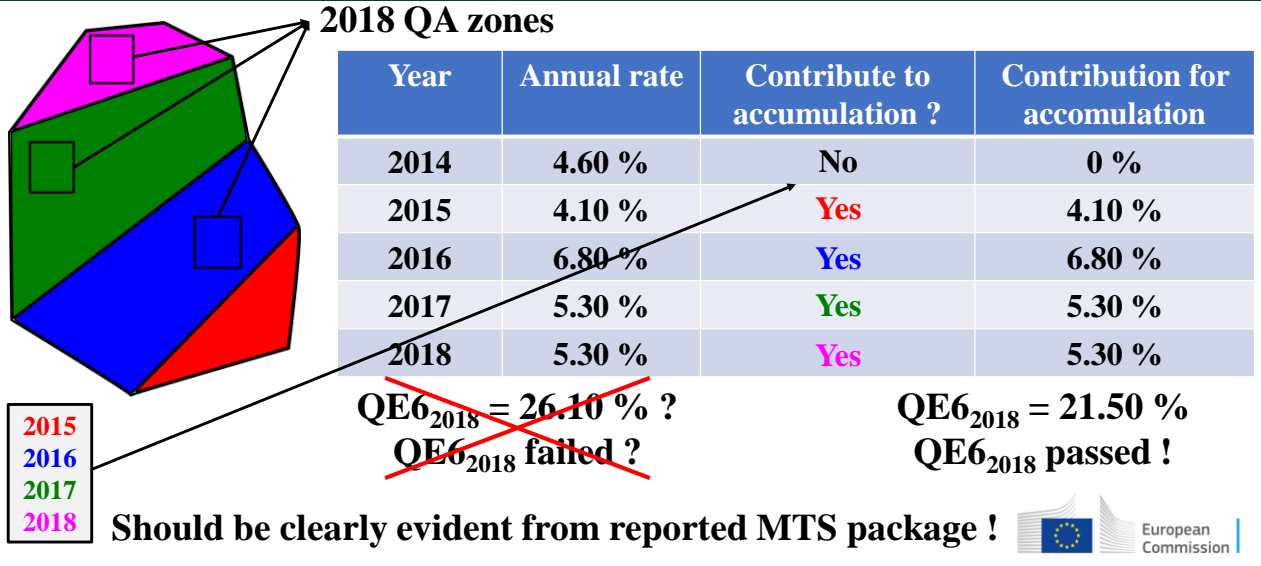   1) Current annual rate
    2) Cumulation of annual rates

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Annual contribution for current year

1) Report the number of non-conformities per zones

5 out of 100
5 out of 150
25 out of 500
20 out of 500

2) Determine the rate for each zone (division by the age of the last update)

5 /(100 x 1) = 5%
5 / (150 x 2) = 1.67%   →   (5% + 1.67%) / 2 = 3.33%
25 / (500 x 2) = 2.5%
20 / (500 x 3) = 1.33%

3) Average the overall annual change rate over all LPIS control zones

(3.33% + 2.5% + 1.33%) / 3 = 2.39 %

1 year old
2 year old
3 year old

(Details of calculations can be found in Annex 1, Table 16)

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Accumulation vs. eldest update

2018 QA zones

Year	Annual rate	Contribute to accumulation ?	Contribution for accomulation
2014	4.60 %	No	0 %
2015	4.10 %	Yes	4.10 %
2016	6.80 %	Yes	6.80 %
2017	5.30 %	Yes	5.30 %
2018	5.30 %	Yes	5.30 %

2015
2016
2017
2018

~~$QE6_{2018} = 26.10$ % ?~~
~~$QE6_{2018}$ failed ?~~

$QE6_{2018} = 21.50$ %
$QE6_{2018}$ passed !

Should be clearly evident from reported MTS package !

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QE6 key messages

- Annual rate → Intersection QA zones with systematic updates

- Cumulation of annual rates → eldest systematic update

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Any questions?
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