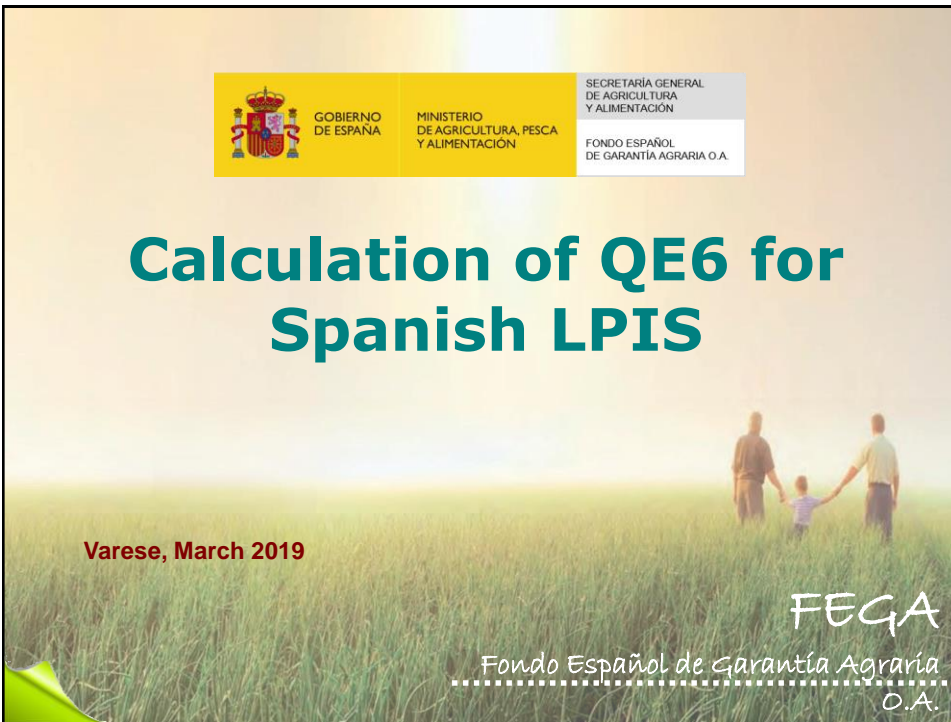



Calculation of QE6 for Spanish LPIS

Varese, March 2019

FEQA

Fondo Español de Garantía Agraria O.A.



 <p>GOBIERNO DE ESPAÑA</p>	<p>MINISTERIO DE AGRICULTURA, PESCA Y ALIMENTACIÓN</p>	<p>SECRETARÍA GENERAL DE AGRICULTURA Y ALIMENTACIÓN</p>
		<p>FONDO ESPAÑOL DE GARANTÍA AGRARIA O.A.</p>

Quality Element 6

Cumulated rate of non-conformities due to undetected or unaccounted land cover changes, as observed in ETS, counting from the year the LPIS was last systematically verified

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Calculation of QE 6

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1. Percentage of non-conformities due to missed updates in relation to inspected reference parcels, by control zones
2. Annual rate of non-conformities due to missed updates
 - ❖ by control zones, dividing by the number of years since the last systematic update of the zone
 - ❖ for the LPIS, average of all the control zones
3. Cumulated rate of non-conformities due to missed updates, adding the annual rate of the current year to the annual rates of previous years, starting from the year the LPIS was last systematically updated

Step 1

Percentage of non-conformities due to missed updates in relation to the number of inspected reference parcels by control zones

ETS 2018 Annual rate of non conformities due to missed update				
Zone	Region	Inspected RP	Missed update non conformities	Missed update non conformities/ Inspected RP
1	Baleares	490	10	2,04%
2	C. Valenciana	206	9	4,37%
3	Andalucía	29	2	6,90%
4	Castilla-La Mancha	136	0	0,00%
5	Castilla y León	389	3	0,77%
		1.250	24	



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Step 2

Annual rate of non-conformities due to missed update by zones and for the LPIS

ETS 2018 Annual rate of non conformities due to missed update							
Zone	Region	Inspected RP	Missed update non conformities	Missed update non conformities/ Inspected RP	Last systematic verification	Number of years	Annual rate
1	Baleares	490	10	2,04%			
2	C. Valenciana	206	9	4,37%			
3	Andalucía	29	2	6,90%			
4	Castilla-La Mancha	136	0	0,00%			
5	Castilla y León	389	3	0,77%			
		1.250	24				



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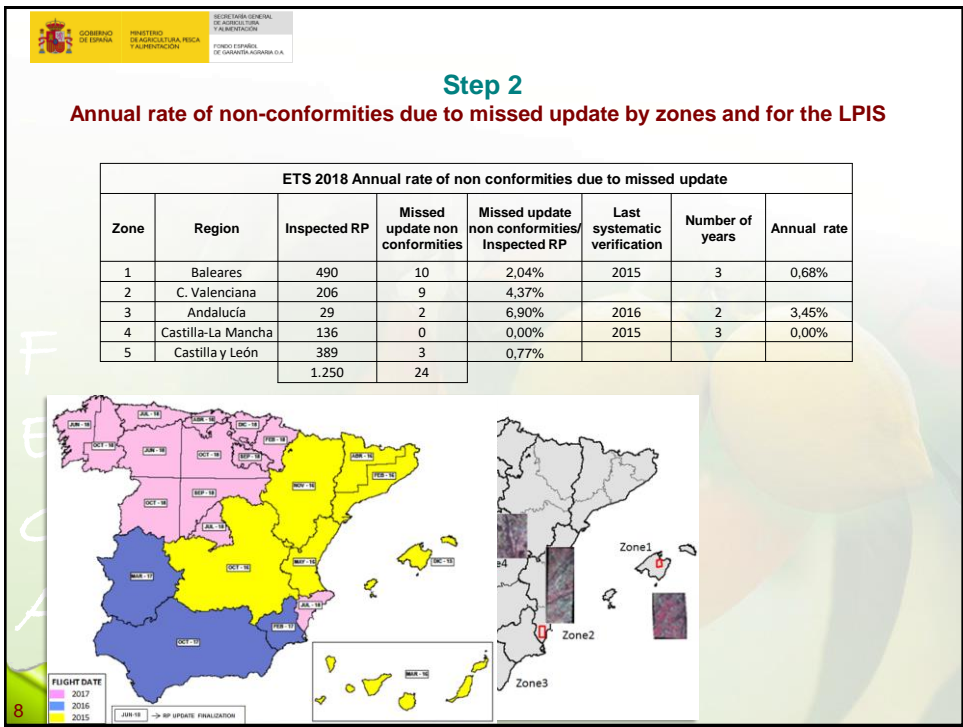
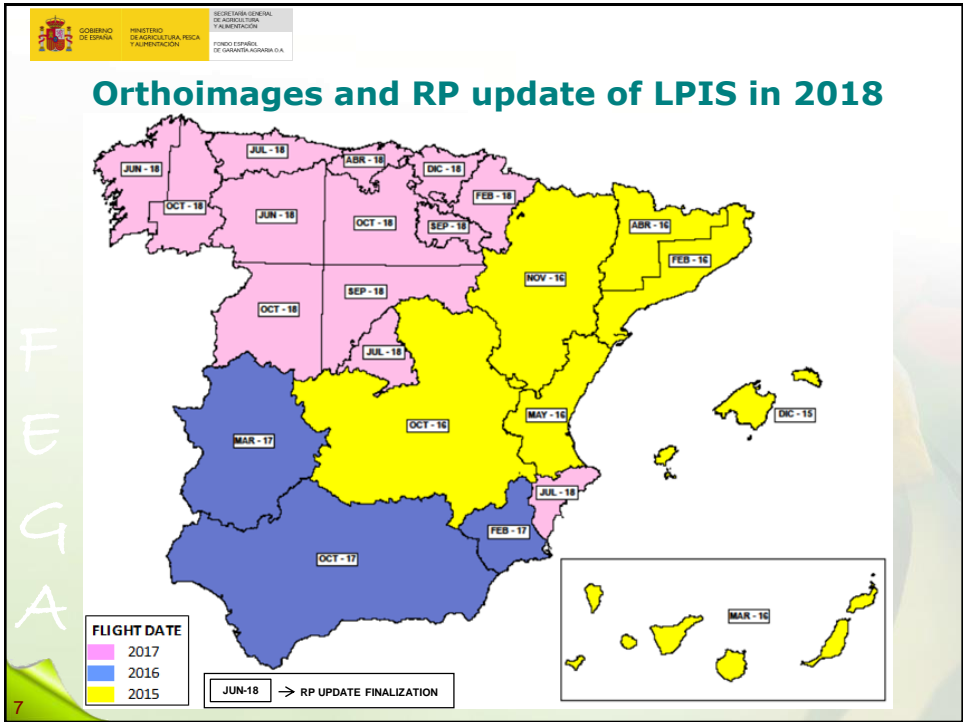
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LPIS refresh cycle

- Linked with National Plan for Aerial Orthophotography PNOA
- 3 year cycle
- Includes:
 - ❖ Production of orthoimages
 - ❖ Upload to LPIS raster server in tiled TIFF format
 - ❖ Updating the RP layer
- Process takes 8-14 months
- Reference date is the date of the aerial flight

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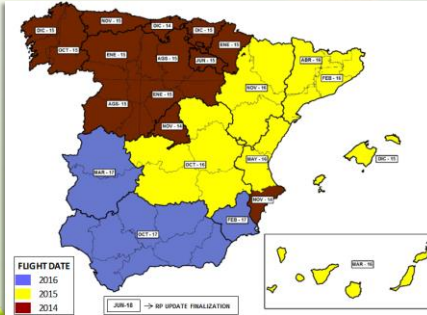
6



Step 2

Annual rate of non-conformities due to missed update by zones and for the LPIS

ETS 2018 Annual rate of non conformities due to missed update							
Zone	Region	Inspected RP	Missed update non conformities	Missed update non conformities/ Inspected RP	Last systematic verification	Number of years	Annual rate
1	Baleares	490	10	2,04%	2015	3	0,68%
2	C. Valenciana	206	9	4,37%	2014	4	1,09%
3	Andalucía	29	2	6,90%	2016	2	3,45%
4	Castilla-La Mancha	136	0	0,00%	2015	3	0,00%
5	Castilla y León	389	3	0,77%	2014	4	0,19%
		1.250	24				1,08%



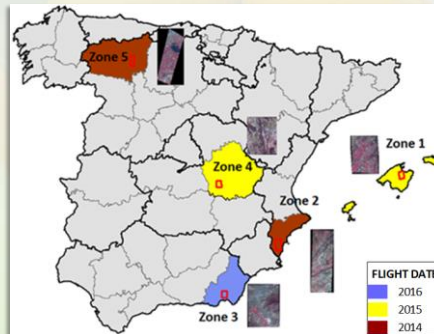
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Step 3

Cumulated rate of non-conformities due to undetected or unaccounted land cover changes for the LPIS

ETS 2018 Annual rate of non conformities due to missed update							
Zone	Region	Inspected RP	Missed update non conformities	Missed update non conformities/ Inspected RP	Last systematic verification	Number of years	Annual rate
1	Baleares	490	10	2,04%	2015	3	0,68%
2	C. Valenciana	206	9	4,37%	2014	4	1,09%
3	Andalucía	29	2	6,90%	2016	2	3,45%
4	Castilla-La Mancha	136	0	0,00%	2015	3	0,00%
5	Castilla y León	389	3	0,77%	2014	4	0,19%
		1.250	24				1,08%

ETS 2018 Cumulative rate of non conformities due to missed update			
ETS	Missed update non conformities	Annual rate	Cumulativerate
2014	2	1,45%	1,45%
2015	9	0,60%	2,05%
2016	15	0,34%	2,39%
2017	10	0,29%	2,68%
2018	24	1,08%	3,76%



F E G A

2018 LPIS quality assessment report - ETS v6.3

6. Cumulated rate of non-conforming reference parcel due to undetected or unaccounted land cover changes, as observed in ETS, accumulated over the years (QE6)

From QE4 2017 : change rate= Average of each LPIS QA zone of $(100 * n_{\text{non-conformities by updates}} / n_{\text{inspected}} / n_{\text{years last systematic update}})$: 1.08					
NOTE: Averaged overall annual change rate over all LPIS control zones NOTE: use value 1 as "number of years" if the update of the zone/subzone was in the current year					
Score 2018 (cumulative rate):	3.76	Target:	< 25 %	Conformance 2018	conforming
Score 2017 ³ (cumulative rate):	3.00	Target:	< 25 %	Conformance 2017	conforming
Assessment:	Enter paragraphs				
Effect of actions:	Enter sentence				
Self-evaluation:	Your conclusion				

³: = < 2016: sum QE4 cause "updates" as % non-conforming RP; =>2017: add QE4 "non-conformities by updates" as % non-conformities per 100 RP

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Calculation of Quality Element 6 in ETS 2017

Zone	Region	Inspected RP	Missed update non conformities	Missed update non conformities/ Inspected RP	Last systematic verification	Number of years	Annual rate
1	Galicia	206	0	0,00%	2014	3	0,00%
2	Aragón	277	1	0,36%	2015	2	0,18%
3	Andalucía	52	1	1,92%	2013	4	0,48%
4	Madrid y Castilla-La Mancha	309	5	1,62%	2014	3	0,54%
5	Castilla y León	406	3	0,74%	2014	3	0,25%
		1.250	10				0,29%

ETS	Missed update non conformities	Annual rate	Cumulative rate
2013	1	0,32%	0,32%
2014	2	1,45%	1,77%
2015	9	0,60%	2,37%
2016	15	0,34%	2,71%
2017	10	0,29%	3,00%



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Thank you for your attention



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