



Summary Statistics 2008

Agriculture Unit, JRC Ispra

Contents

Number of applications, OTS controls, RS controls

Importance of different schemes

Analysis of anomaly codes at the parcel level

Results of group and dossier diagnoses

Summary

24 MS used remote sensing in 2008

–Not AT, FI and LU (no change from 2007)

27 national or regional administrations

–Belgium, Spain and UK – 2 each

28 “contractors” involved

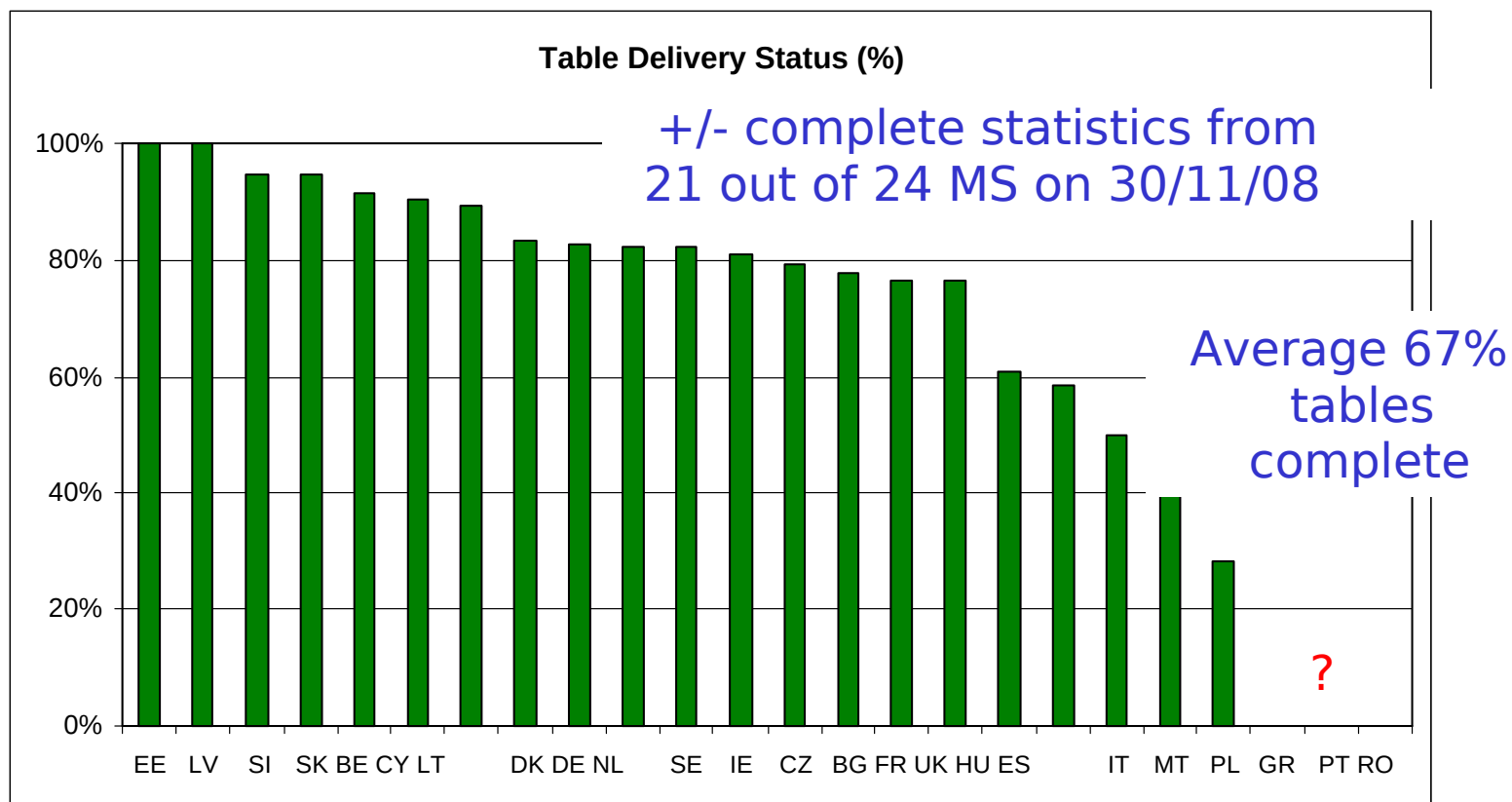
–13 are state or semi-state agencies

–1 contractor / MS except in

- BE, ES (2 each), DE (3)

- England and Wales (only 1)

Delivery of Summary Statistics



All statistics reported by MS

So here are
the statistics....

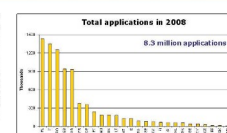
See the poster!

SUMMARY STATISTICS OF THE 2008 CONTROL WITH REMOTE SENSING CAMPAIGN

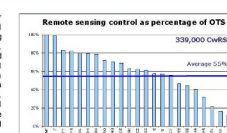
Andrew Rowlands

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e-mail: andrew.rowlands@ec.europa.eu

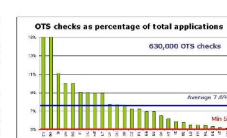
In 2008, the total number of applications for subsidies received by the 27 EU Member States was 8.3 million. This represents an increase of 5% over the 2007 figure, largely accounted for by reductions in Romania and Greece. The number of applications decreased in 16 MS, whereas 8 MS received more in 2008.



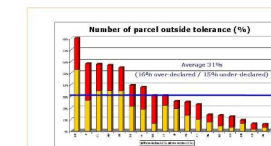
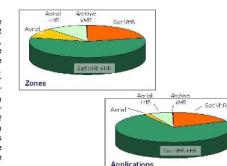
OTS controls are either performed using classical field inspections or using remote sensing. In 2008, remote sensing accounted for, on average, 55% of all OTS controls, up 11% on 2007. However, there is a complete range between 0%, i.e. entirely classical inspections, in some countries (AT, FI, LU) and 100% in others (IT, MT).



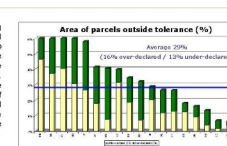
According to the Regulations, at least 5% of applications for aid must be controlled On-The-Spot, although this rate must be increased if significant levels of discrepancies are found in any one year. In 2008, 630,000 applications were controlled OTS, which represents an EU average of 7.6%. This was an increase of 5% over 2007, largely accounted for by increases in Cyprus and Romania.



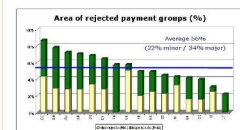
Remote sensing controls are carried out using VHR satellite or aerial imagery, with or without HR satellite imagery, depending on the individual MS requirements. By far the most popular method was current year satellite VHR combined with HR imagery, accounting for 57% of zones and 73% of applications controlled in 2008. However, there has been a slight shift from the VHR/HR combination to the use of VHR on its own.



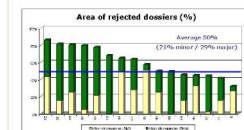
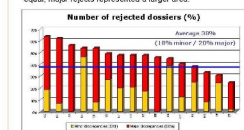
In principle, parcel area measurement is made using the highest resolution image available. A technical tolerance is applied to the measurement in order to allow for any inaccuracy in the technique. If the declared area is within the measured area \pm the tolerance, then the declared area is accepted. Otherwise the measured area is accepted, i.e. the parcel is outside tolerance. In 2008, an average of 31% of parcels, representing 29% of the declared area, were outside tolerance. In general, a larger area was over-declared than under-declared, although the number of parcels was roughly the same in each case.



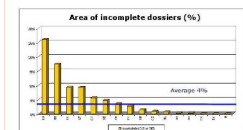
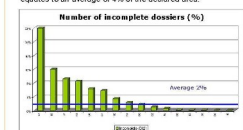
At the payment group level, on average 38% of groups were rejected, representing 58% of the total declared area. Major rejects were generally 50% higher than minor rejects both in terms of numbers and area.



At the dossier level, on average 38% of dossiers were rejected, representing 50% of the total declared area. Whereas the number of minor and major rejects were almost equal, major rejects represented a larger area.



At the dossier level, on average 2% of dossiers were incomplete, i.e. less than 50% of the dossier area and less than 50% of parcels were controlled by remote sensing. This equates to an average of 4% of the declared area.



General Statistics 2008

8.3M applications (-5% on 2007)

- 15 MS decreased (RO -17%; GR -16%)
- 6 MS increased (PT + 29%; BG +6%)

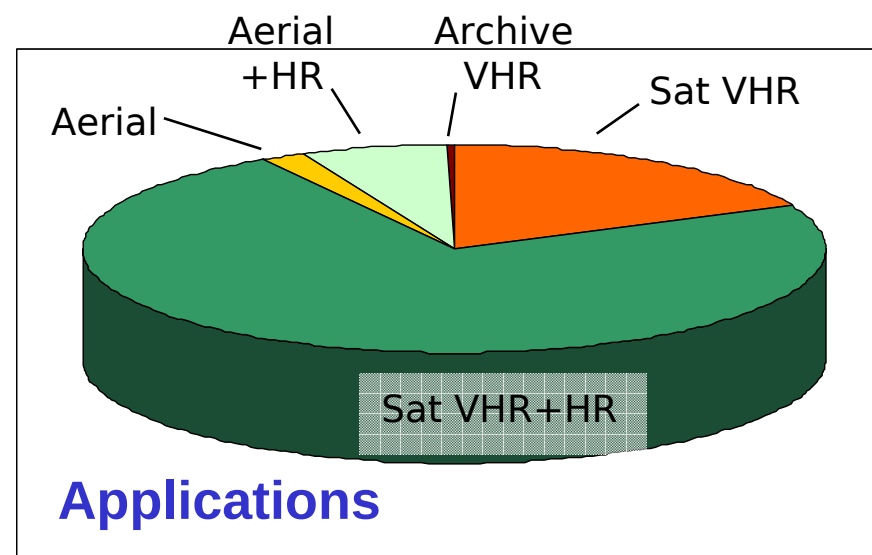
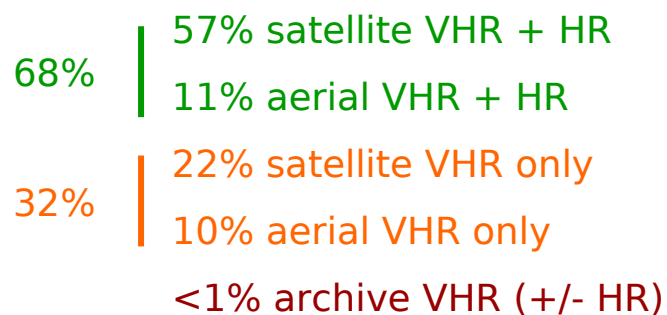
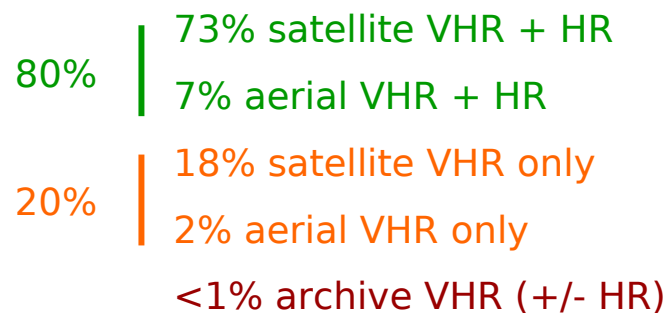
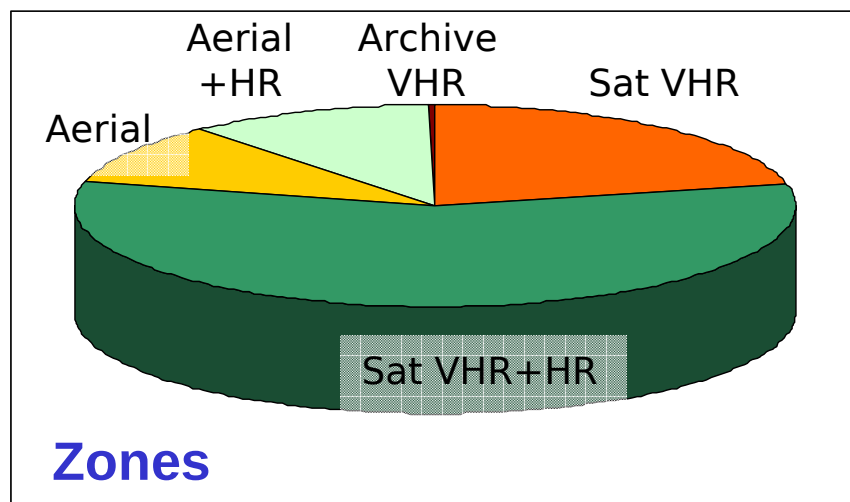
629,000 OTS checks (+5%)

- increases in CY, MT, RO
- decrease in BG
- average 7.6% control rate (> min 5%)

338,000 controlled with RS (+11%)

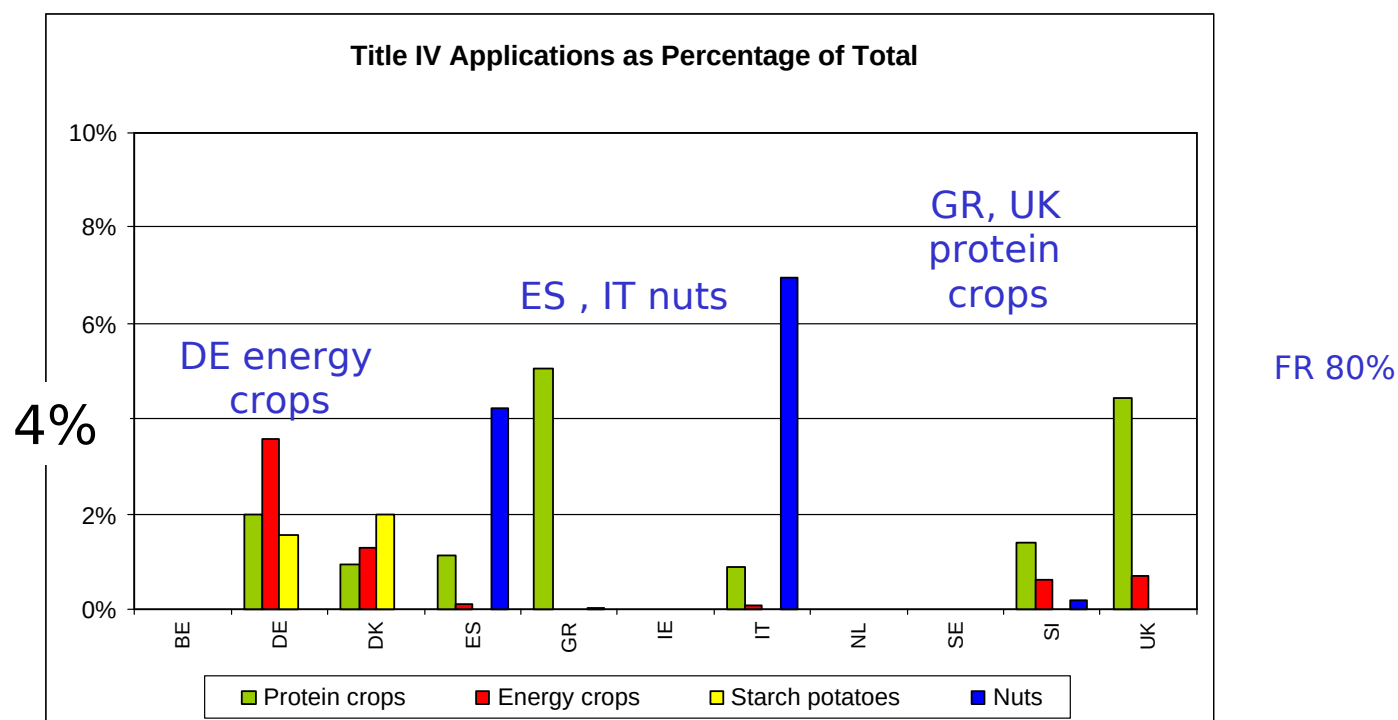
- average 55% of OTS
- > 5M ha controlled

CwRS Methodology



“Coupled” Payments in SPS

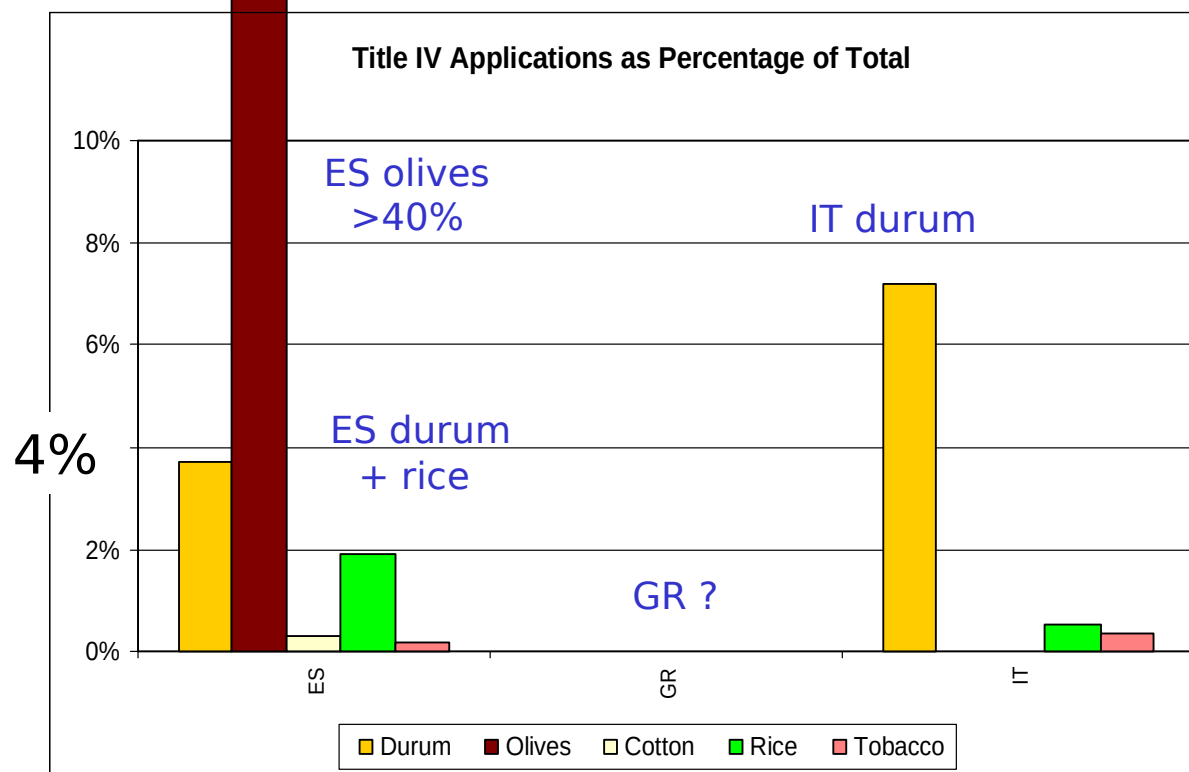
Relative Importance (1)



Data from DE, DK, ES, IT, SI and UK (+GR 2005)

"Coupled" Payments in SPS

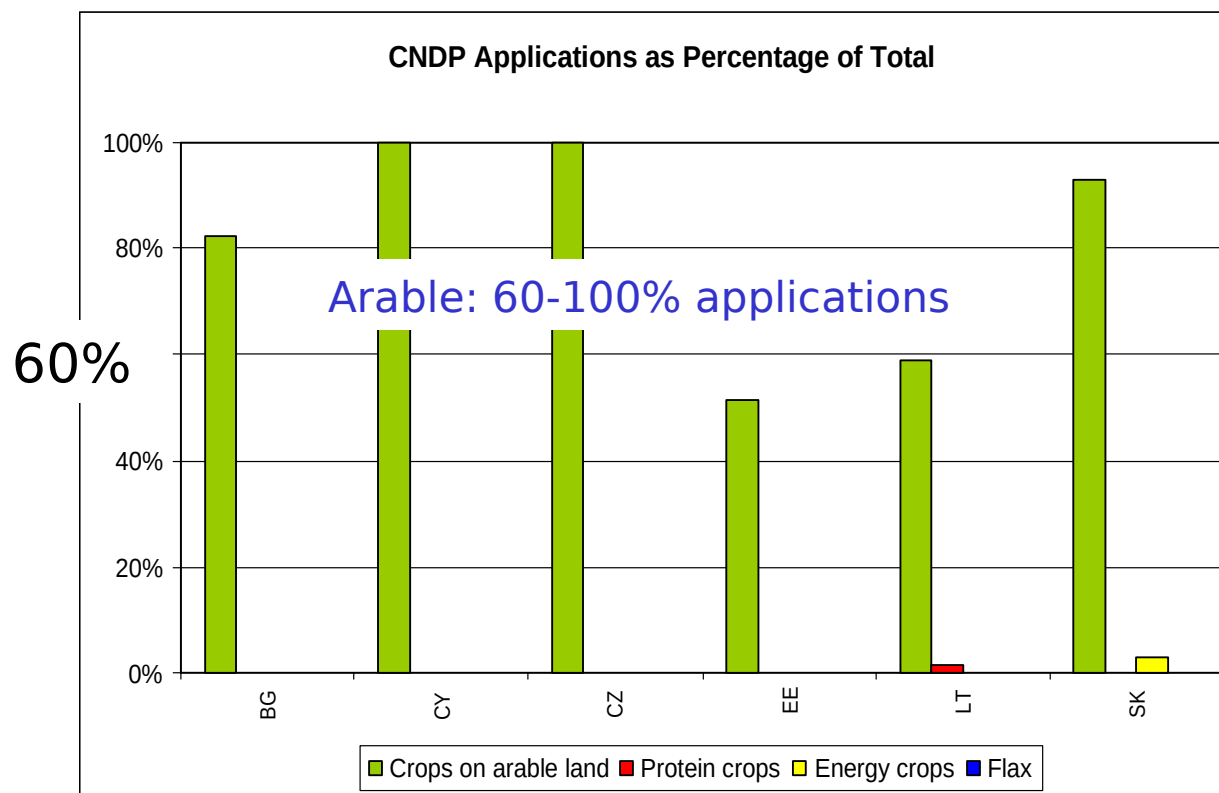
Relative Importance (2) - Mediterranean crops



Data from ES and IT

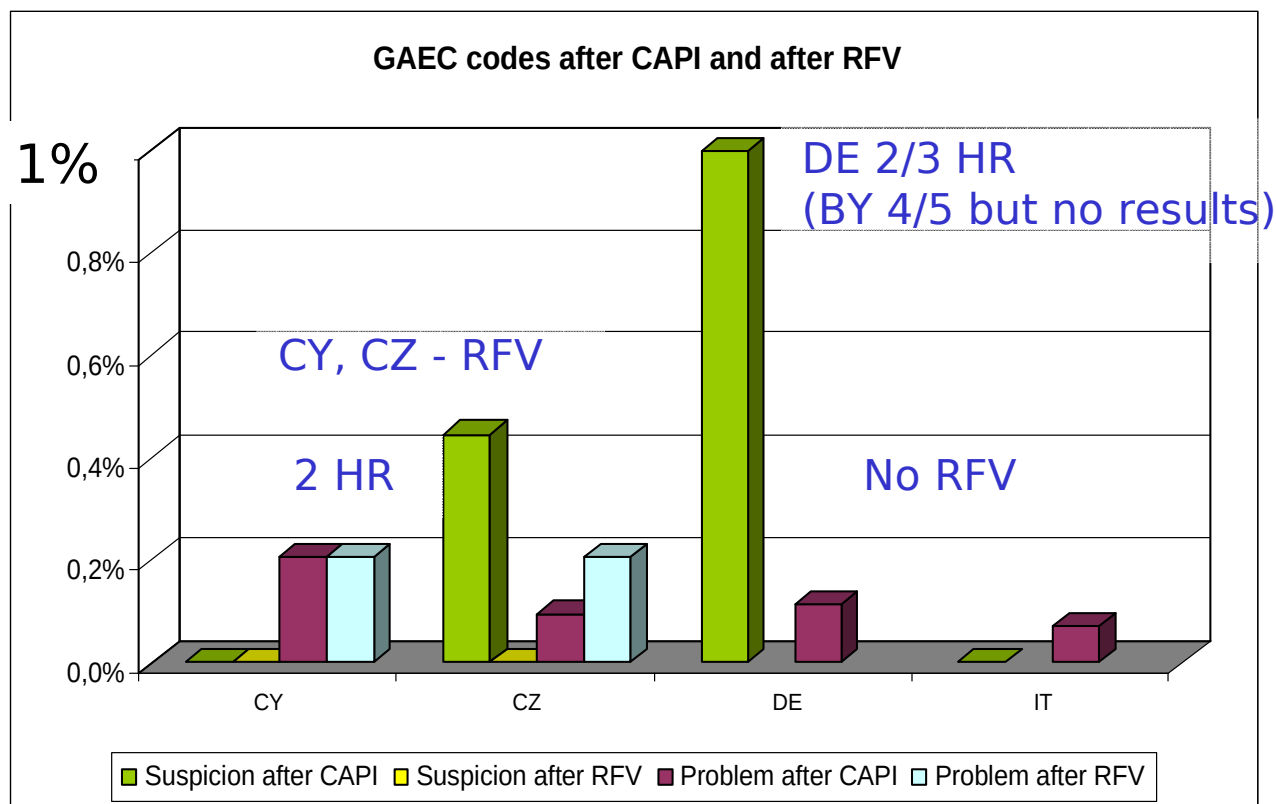
"Coupled" Payments in SAPS

Relative Importance of CNDP



Data from BG, CY, CZ, EE, LT and SK

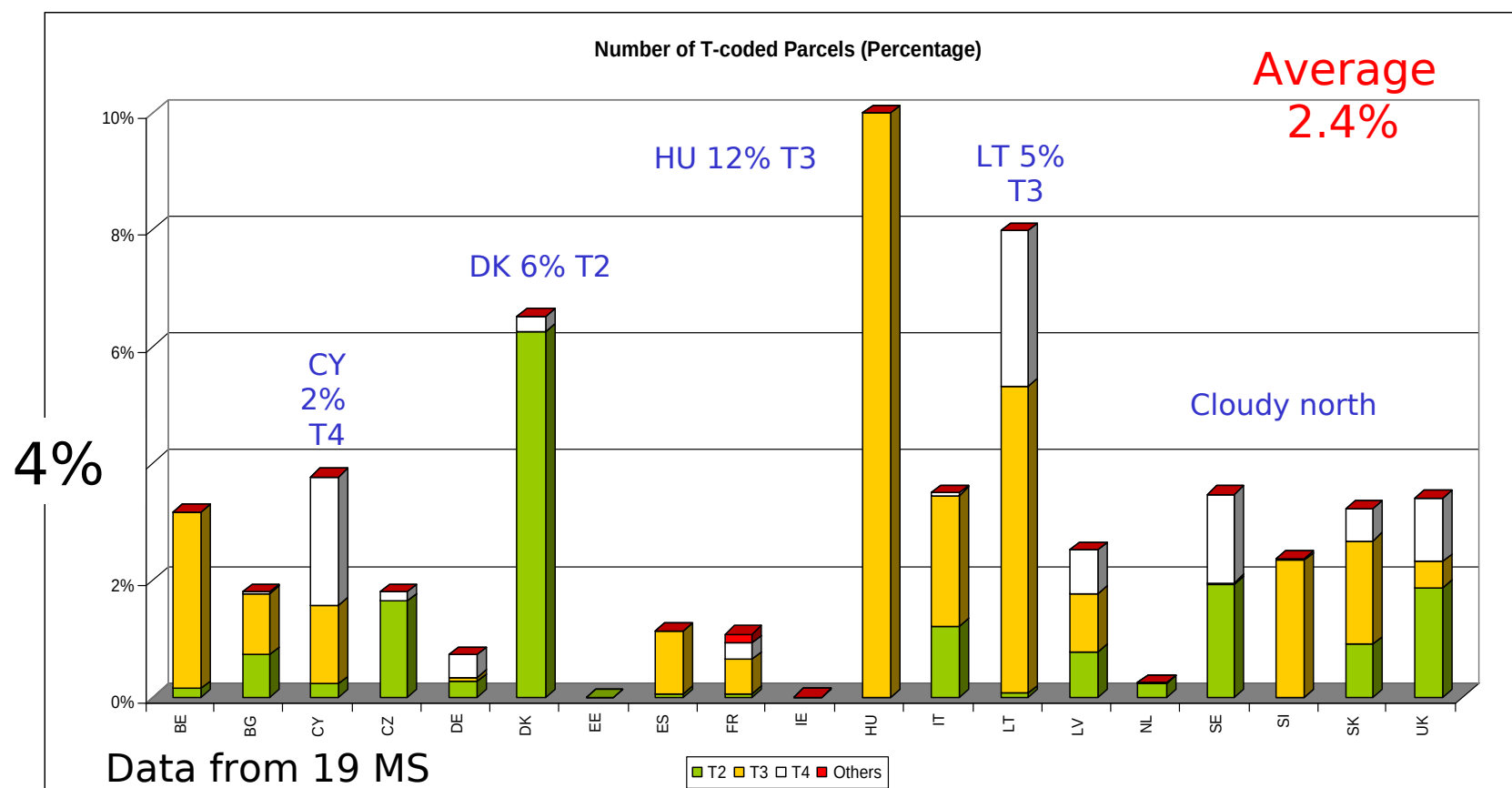
Control of GAEC



Data from CY, CZ, DE and IT

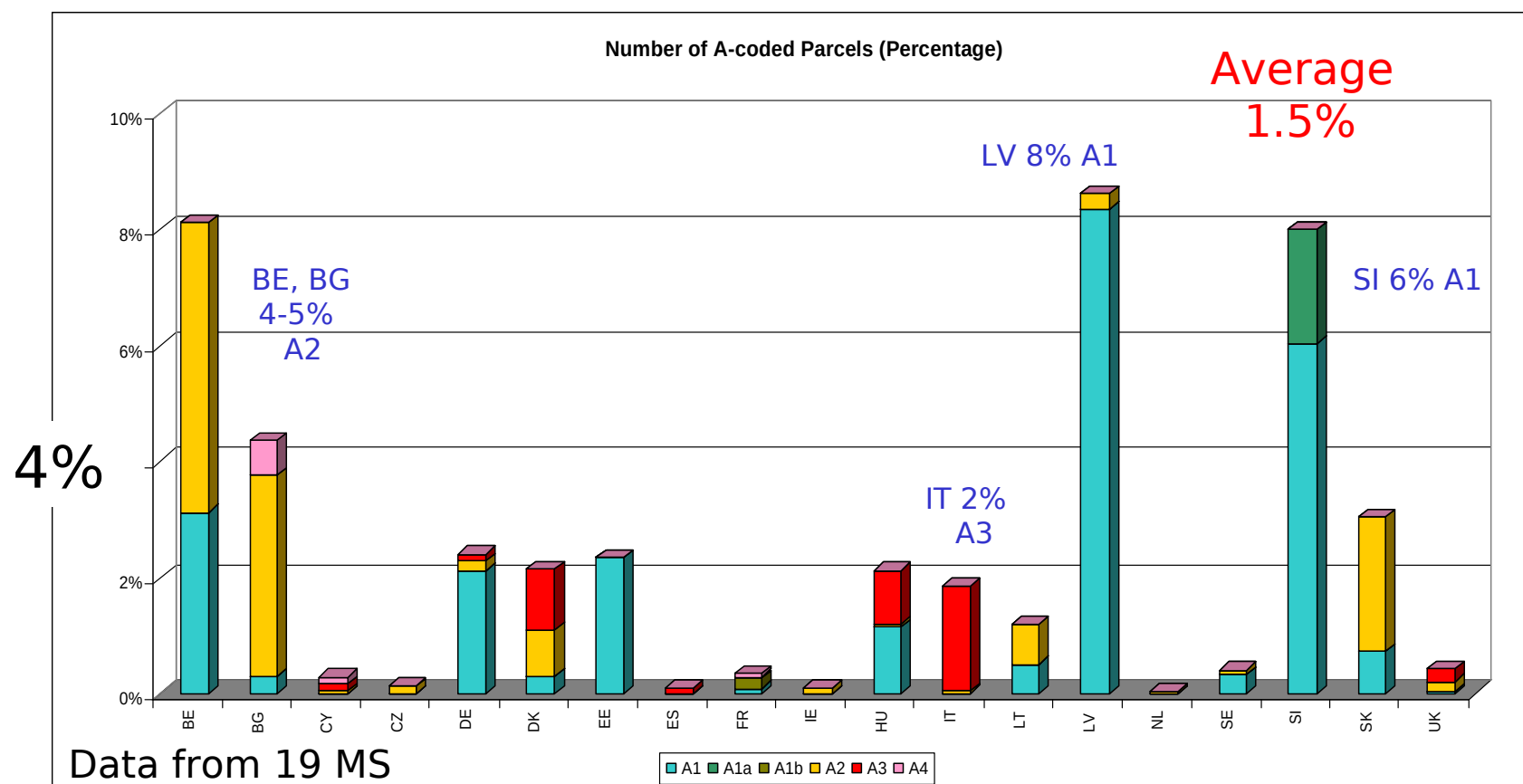
Distribution of Codes at Parcel Level (1/3)

T-codes (technical pb - T2 outside image, T3 outside zone, T4 cloud)



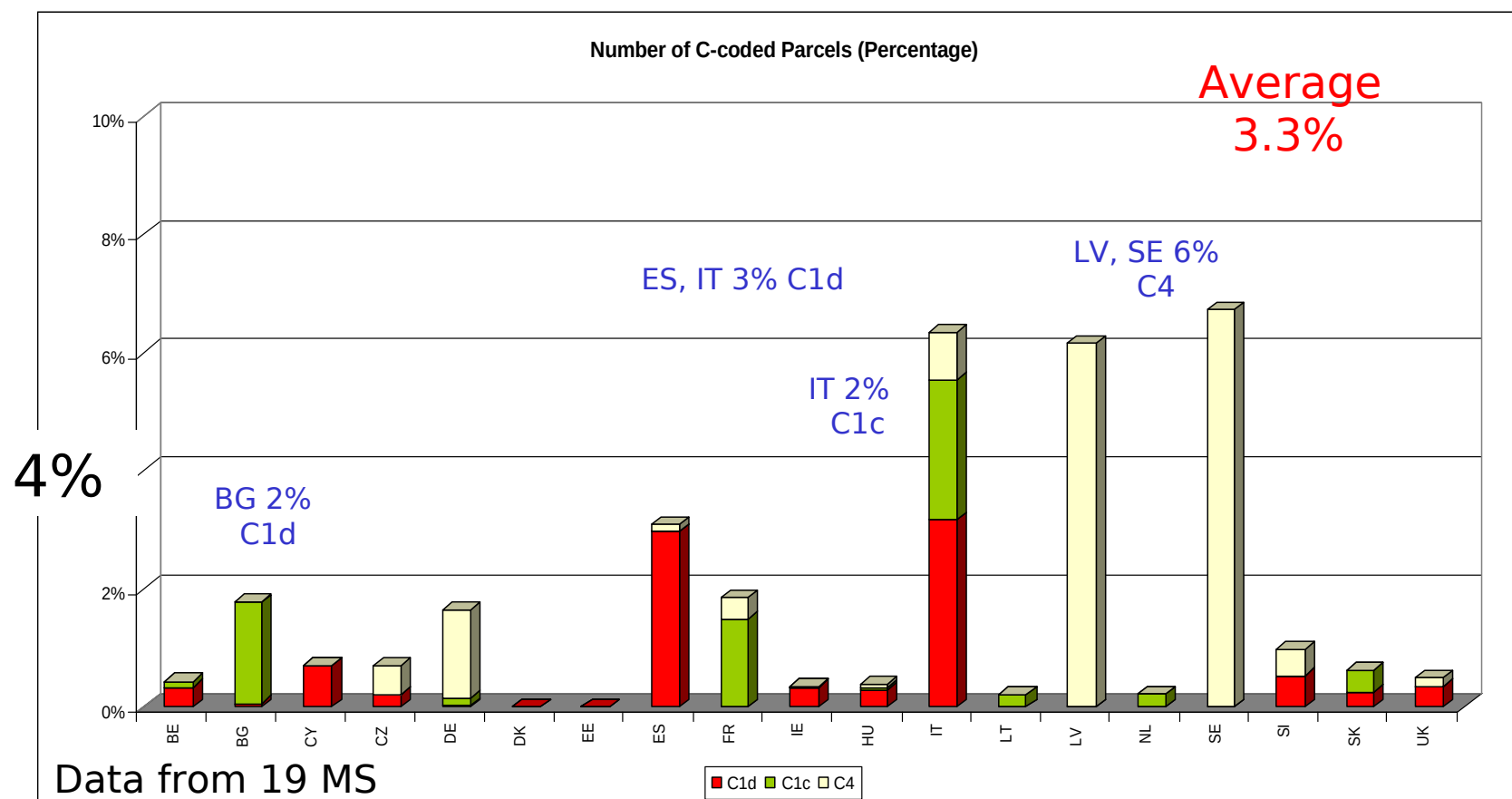
Distribution of Codes at Parcel Level (2/3)

A-codes (anomalies - A1<min size, A2 overlap, A3 not found)



Distribution of Codes at Parcel Level (3/3)

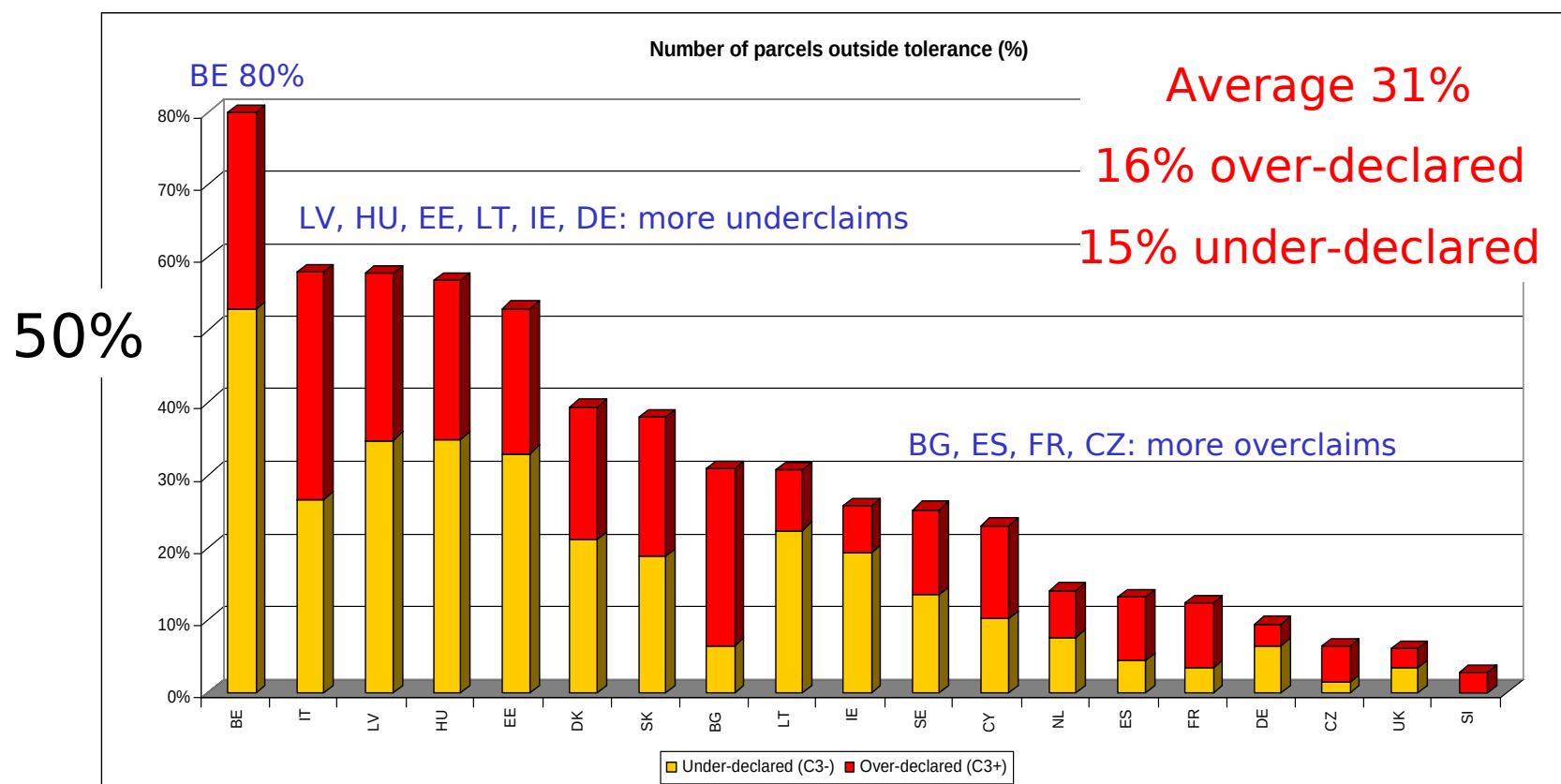
C1d, C1c, C4 codes (wrong crop group, pb with crop or parcel limits)



Analysis of Parcel Tolerance (1/2)

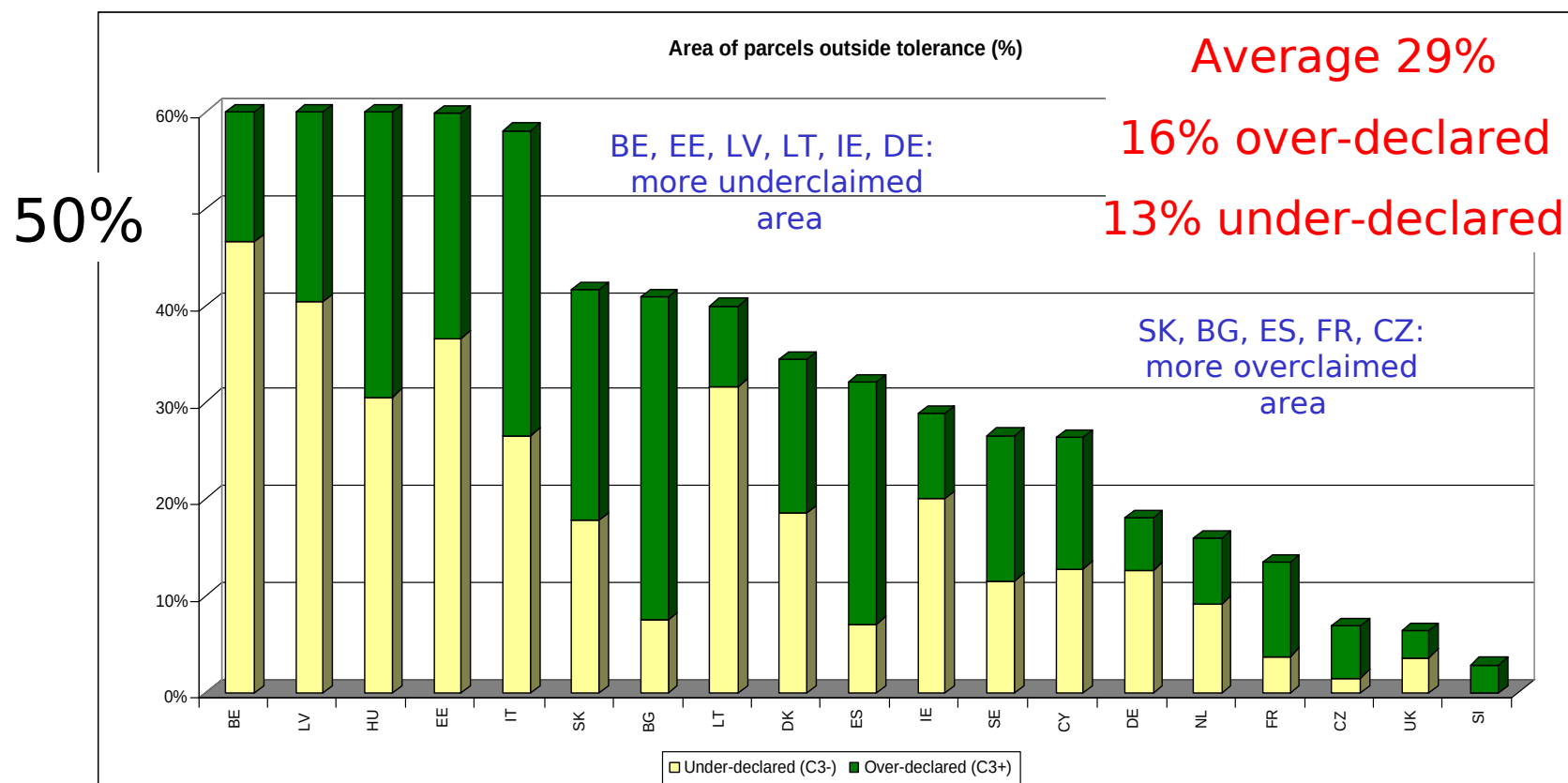
Percentage of parcels coded C3 / (C3+OK)

1.5m buffer



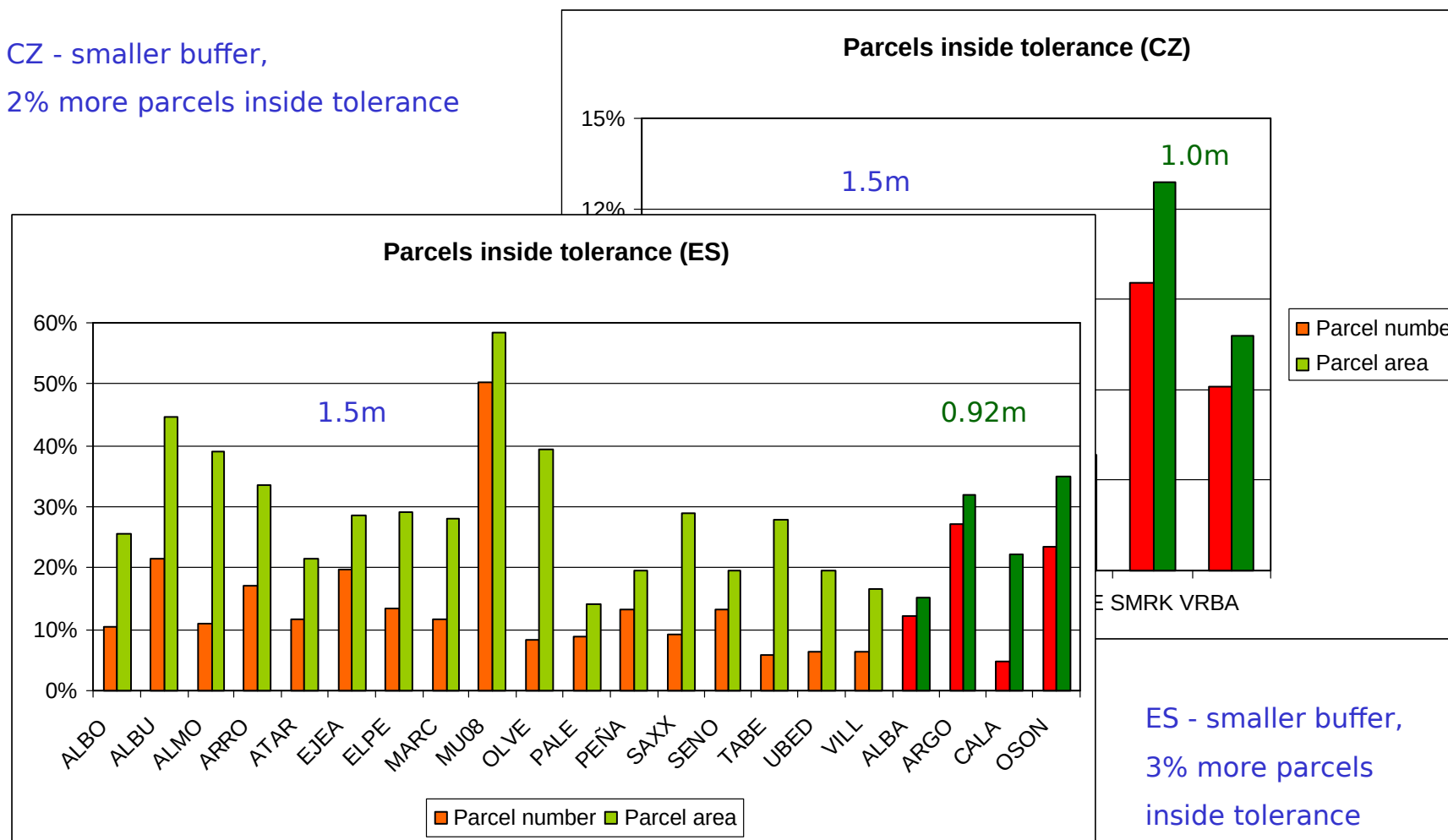
Analysis of Parcel Tolerance (2/2)

Percentage of area coded C3 / (C3+OK)



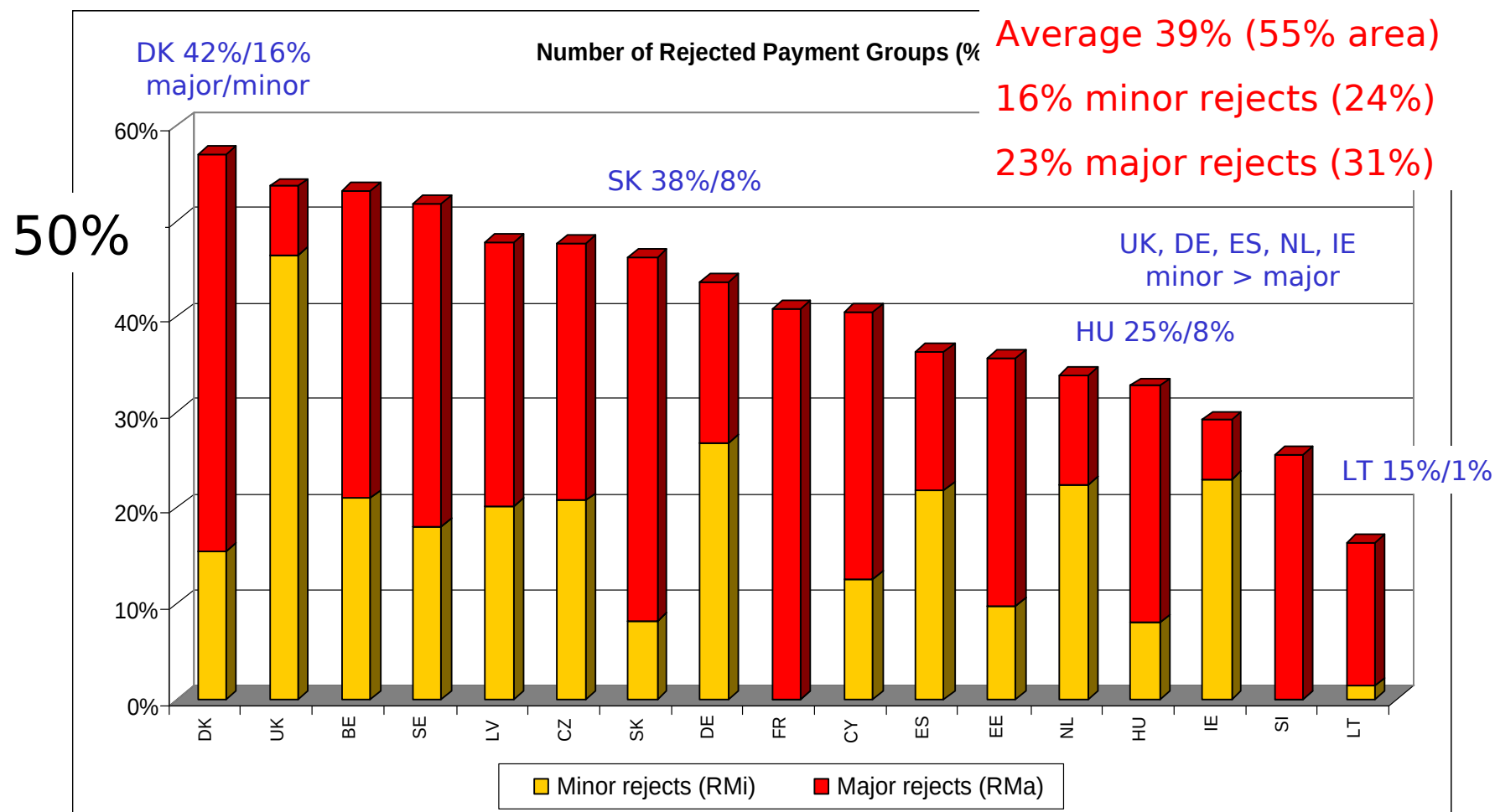
Effect of Buffer Tolerance

CZ - smaller buffer,
2% more parcels inside tolerance



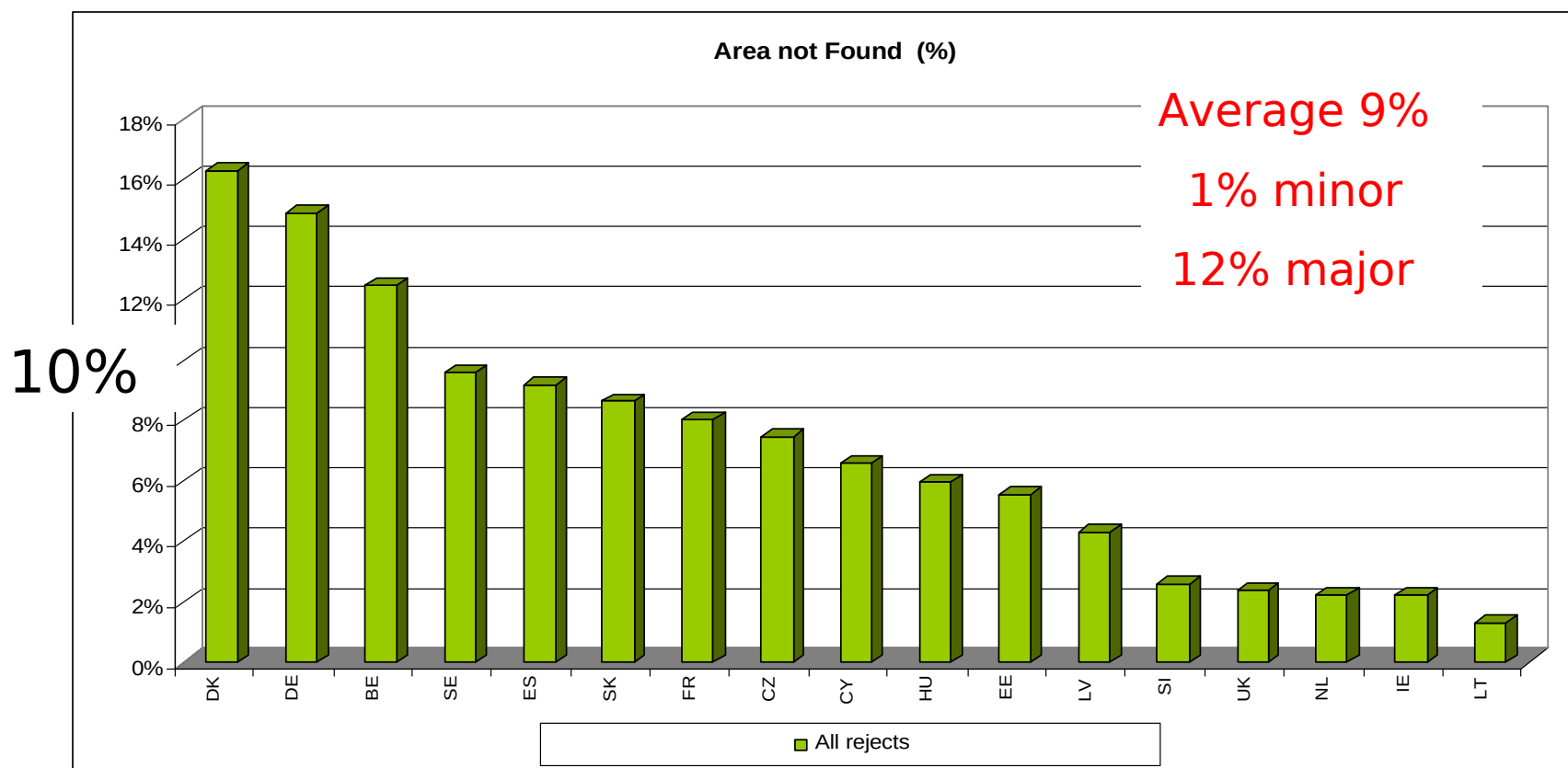
Results of Group Conformity Test (1/2)

Percentage of rejected groups (excl. entitlements)

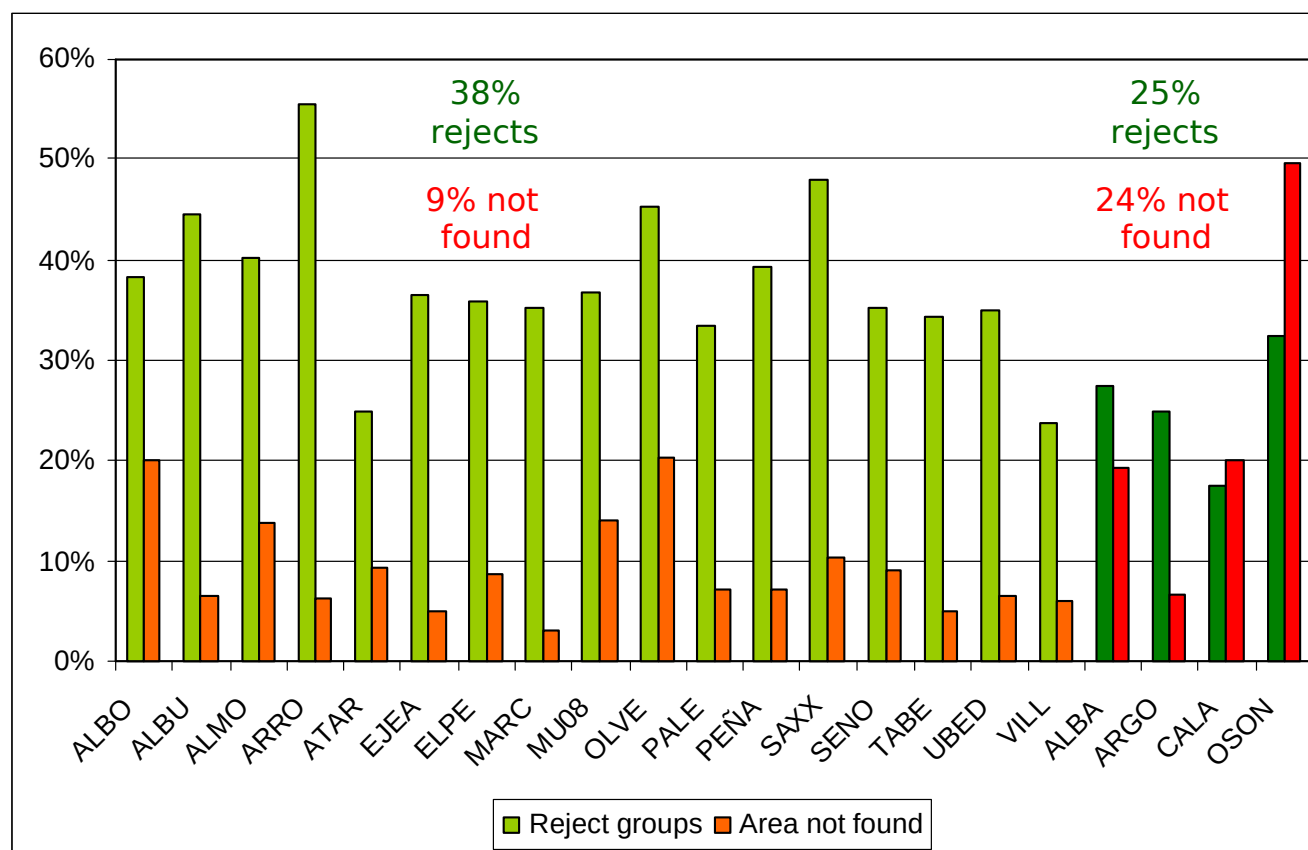


Results of Group Conformity Test (2/2)

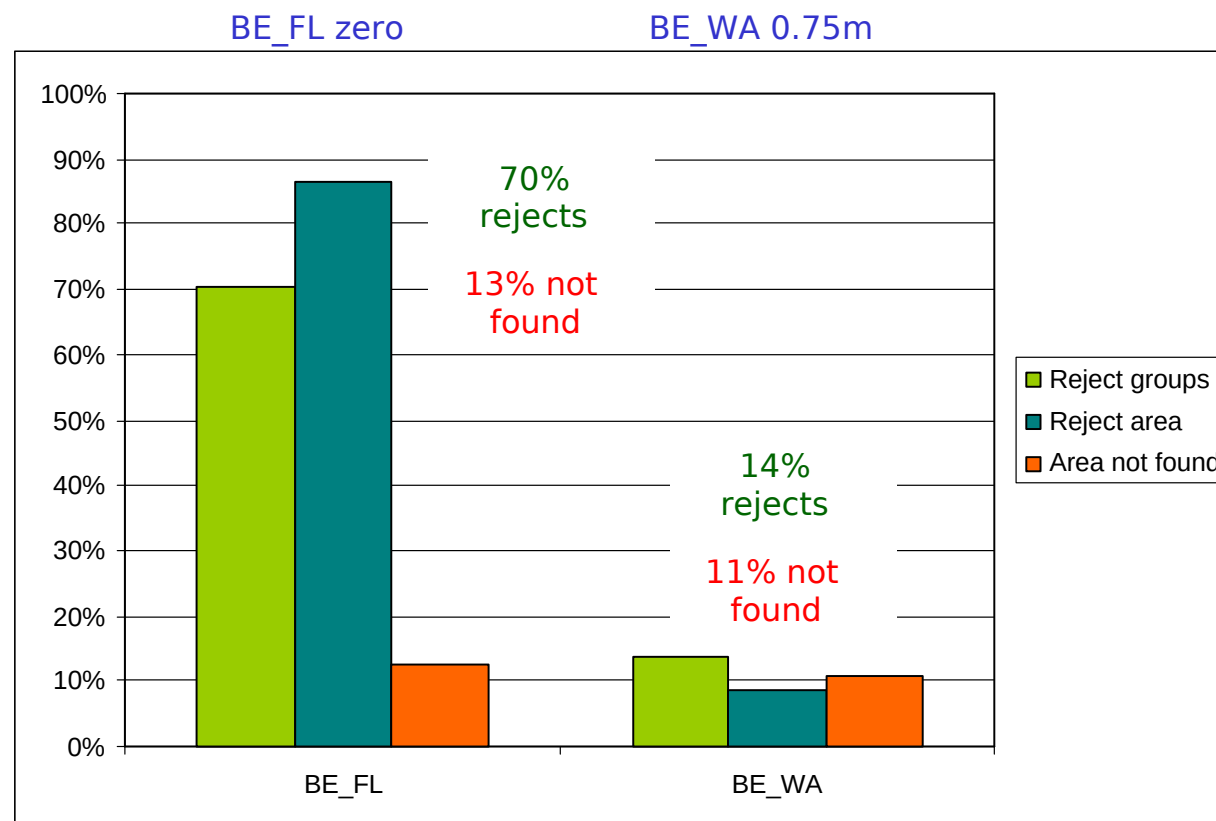
"Area not found"



Effect of Tolerance on Group Test (1/2)

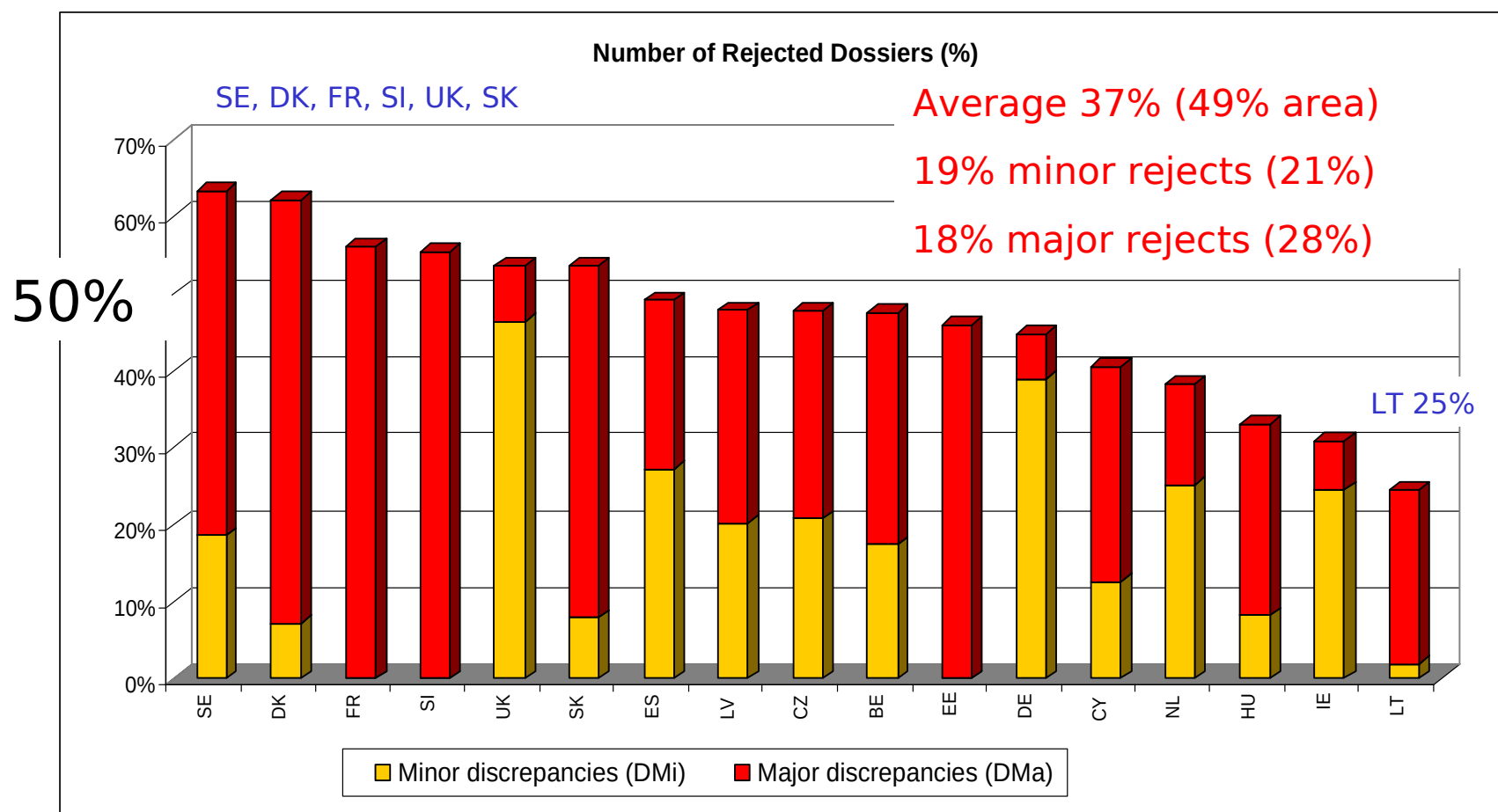


Effect of Tolerance on Group Test (2/2)



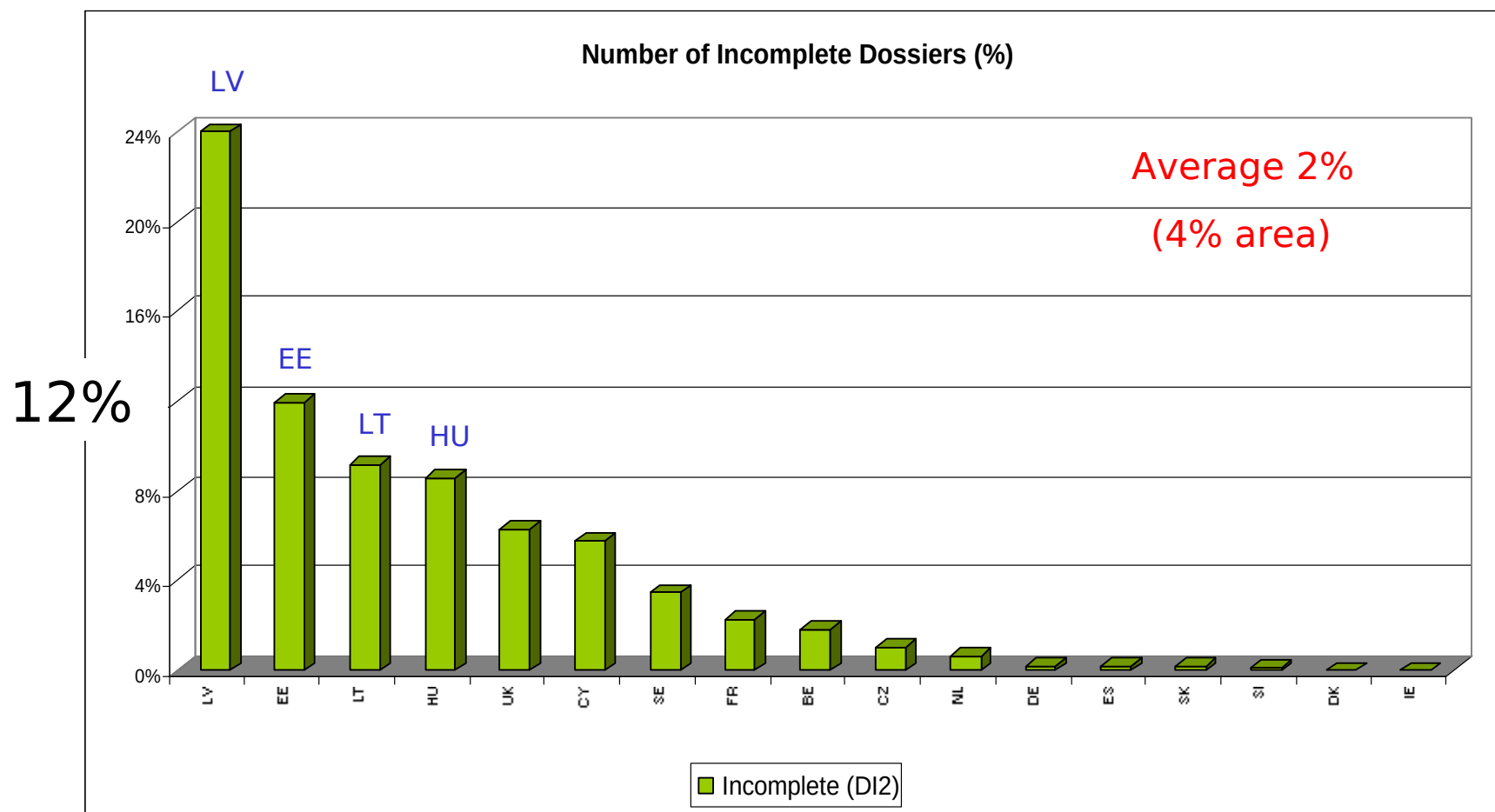
Results of Dossier Conformity Test

Percentage of rejected dossiers (excl. entitlements)



Results of Dossier Completeness Test

Percentage of incomplete dossiers



Summary of CwRS 2008

24 MS / 27 Admin (regional or national)

- **>8M applicants** (-5%)
- **>600k OTS checks** (+5%; average <8%; BG 17%, CY 25%)
- **340k CwRS checks** (+11%; average 55%)

HR+VHR: 68% of sites, 80% of CwRS checks

Importance of “**coupled**” payments in SPS (2%), CNDP, GAEC (?), LFA/AEM - **need for HR imagery?**

31% of accepted parcels **outside tolerance** (29% of area)

Results

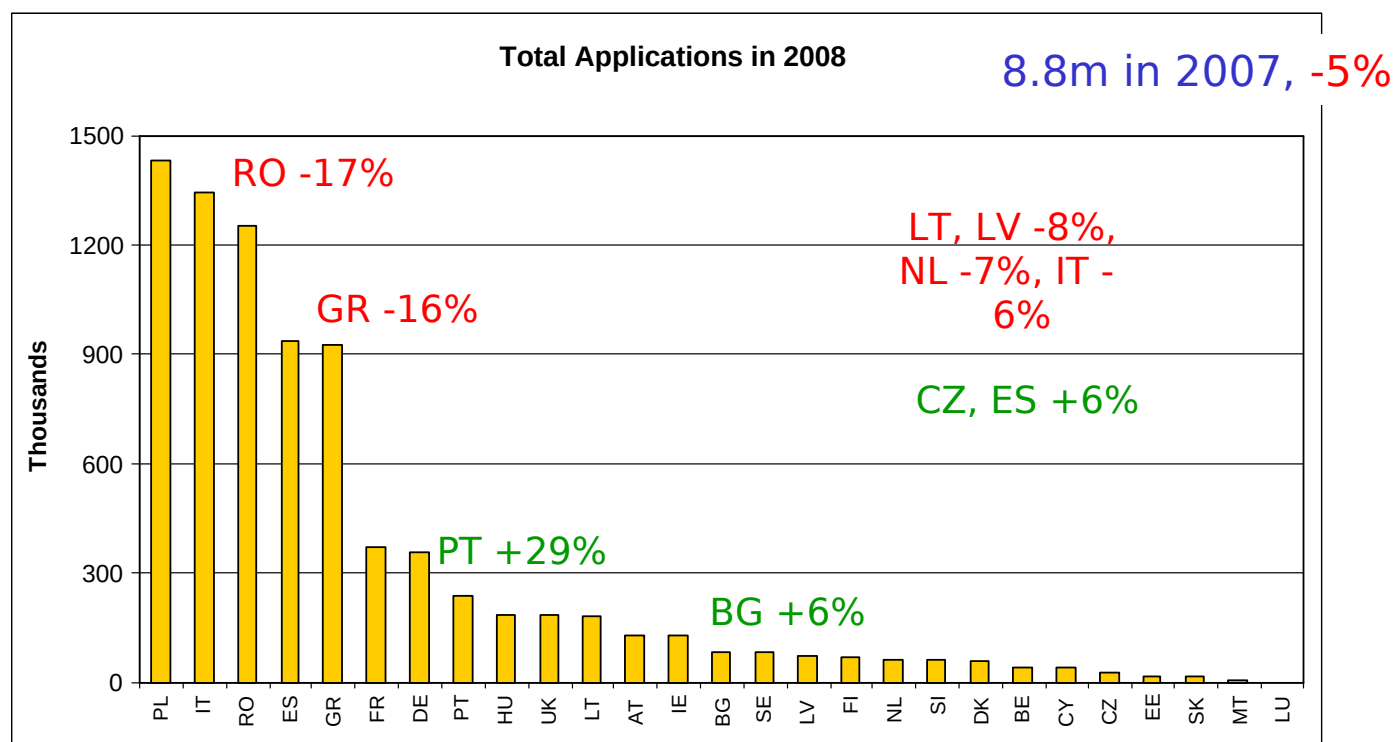
- **Rejected groups:** average 39% (55% of area; 9% “not found”)
- **Rejected dossiers:** average 37% (49% of area)
- **Incomplete dossiers:** average 2% (4% of area)

Thank you
(more data / corrections welcome!)

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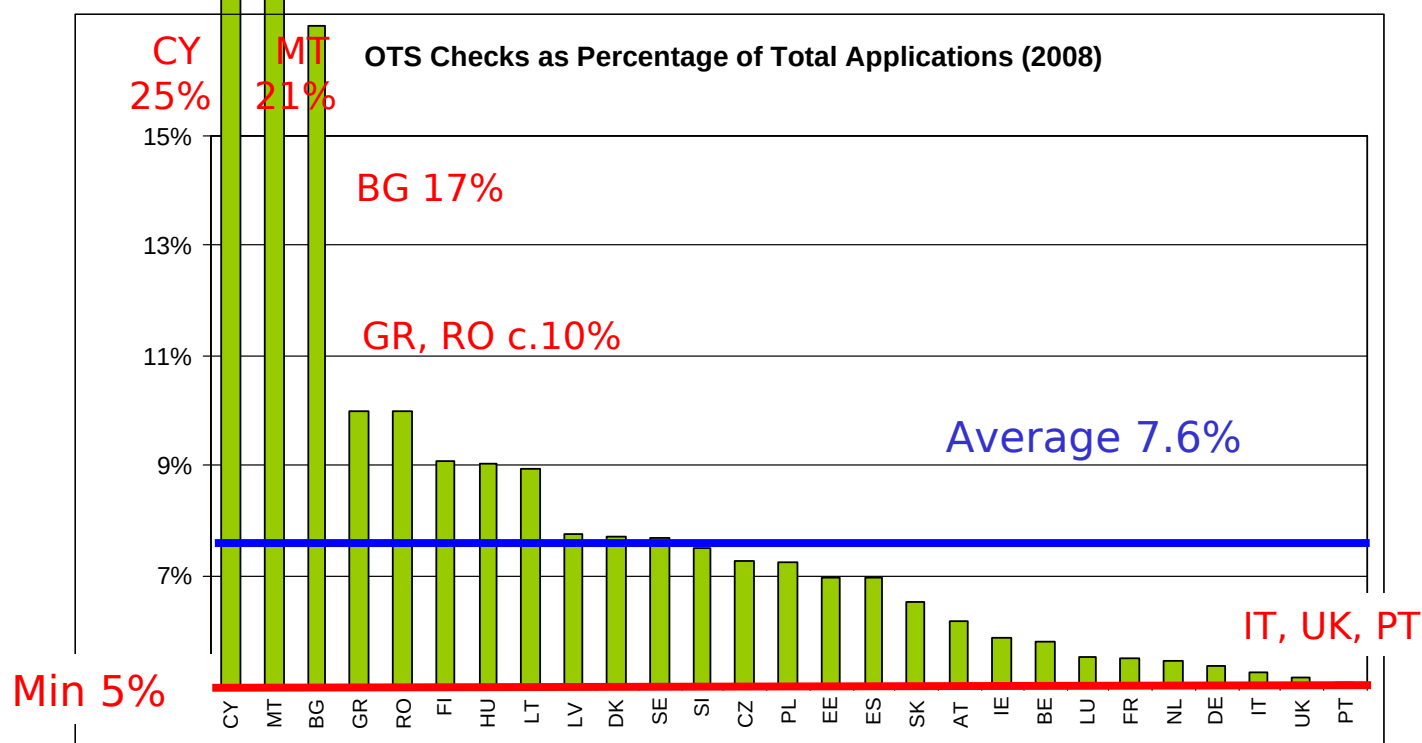
Total Number of Applications

8.3 million (including AT, FI and LU)



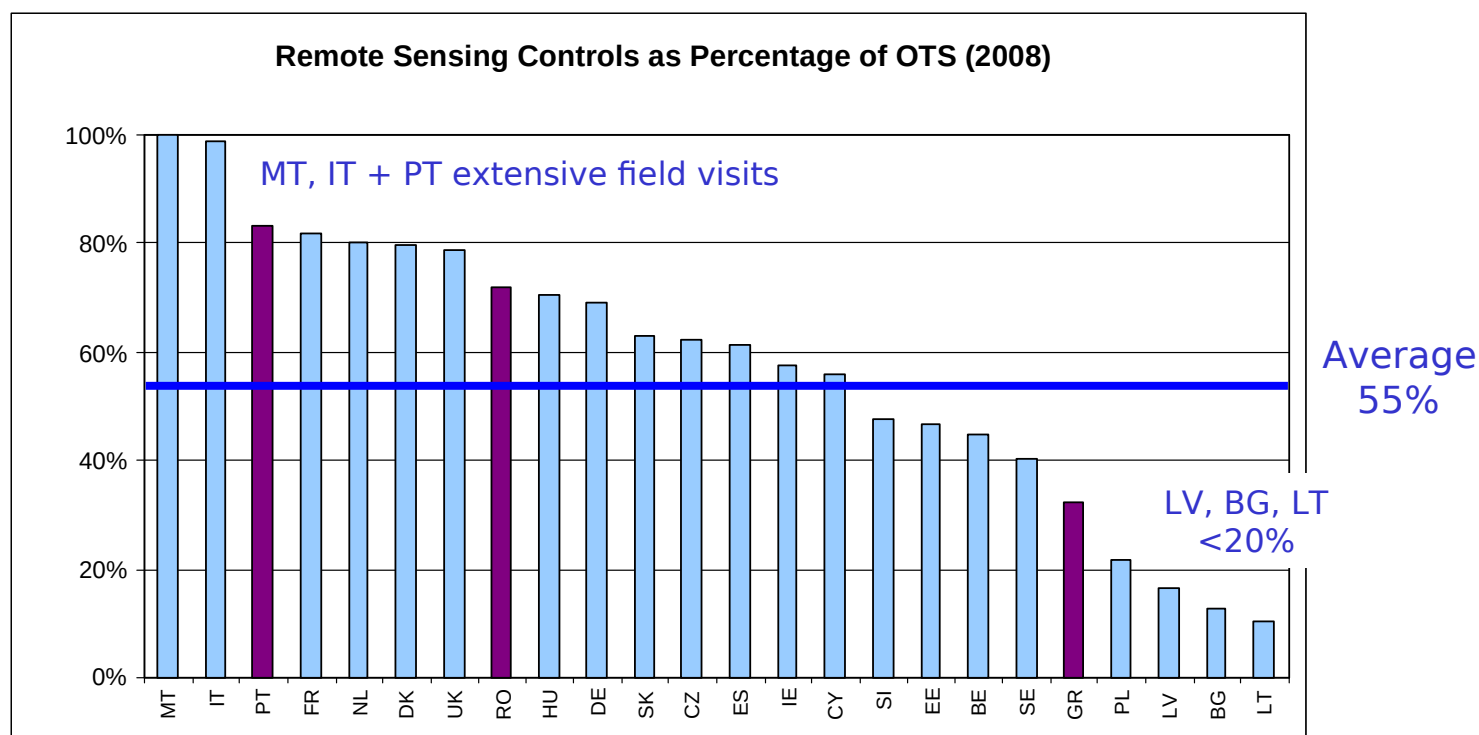
Number of OTS Controls

629,000 controlled on the spot, +5%



Control with Remote Sensing

338,000 controlled using Remote Sensing, +11%



>5 million ha checked