

Remedial actions for improvement of LPIS quality of the Hessian Agricultural Parcel System

Elisabeth Vollmer, Georg Röhrig

Agriculture Funding Department

Area Programs Team

WIBank Hesse

Strahlenbergerstraße 11

63067 Offenbach am Main

Mar 13, 2019

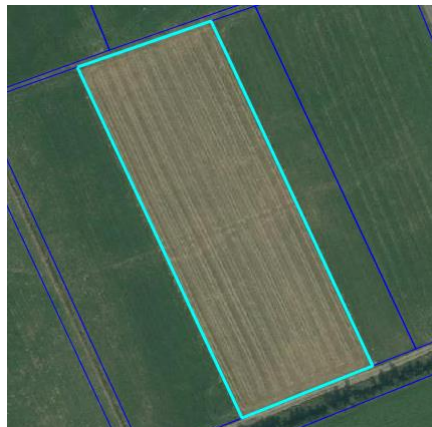
Agricultural Parcel System

Definition Agricultural Parcel:

- One single crop group
- One farmer
- One year
- Within Hesse State borders

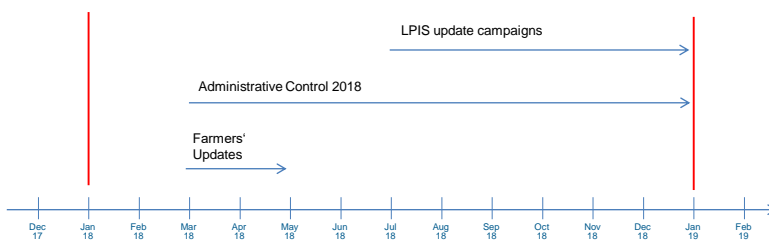
Statistics

- ~20,000 farmers
- ~600,000 Reference Parcels
- ~800,000 ha eligible area
- ~1.3 ha average parcel size
- ~100,000 updates per year



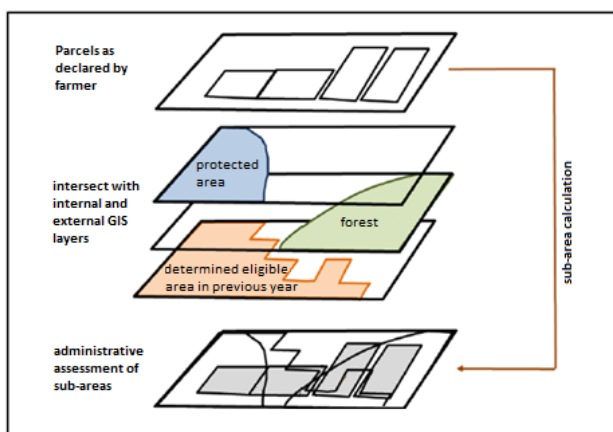
LPIS Update Workflow

- LPIS is updated yearly in January based on information compiled over the previous year – „Reference“
- LPIS updates can be triggered by
 - Farmers' declarations
 - Systematic LPIS update campaigns: 100% visual check in areas with new orthoimagery




3

LPIS updates triggered by farmers' declarations



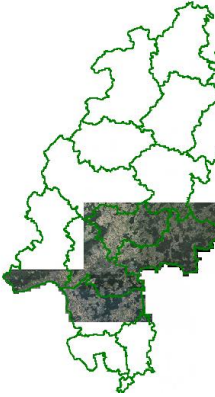
- Each sub-area assessed individually
- Sub-areas determined as non eligible are excluded from reference

4



Wirtschafts- und Infrastrukturbank Hessen

LPIS update campaigns



Identify areas with new orthoimagery...

Prüfaufträge für die Luftbildverifizierung

Kampagne: 13.07.2016 19:23

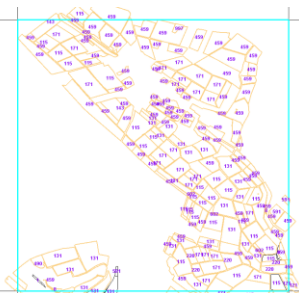
Status: alle

Referenzgröße: _____

Name: _____

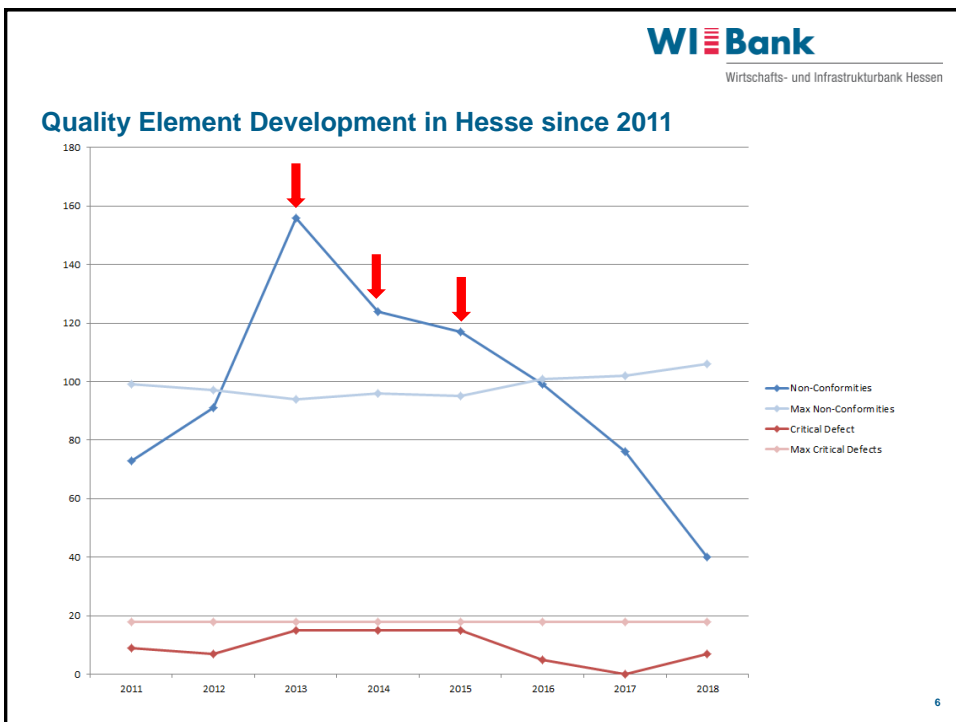
Nummer: _____

Name	Num.	Referenz...	Referenz...	Bearbeiter	app.	Prüfstatus
TK3318_H_8022	2014	2013				
TK3318_H_8434	2014	2013				
TK3319_H_8444	2015	2015				
TK3020_S_0544	2015	2015				
TK3020_S_0544	2015	2015				
TK3119_H_8030	2015	2015				



...and mark all reference parcels that have to be checked (exclude parcels that were included in on-the-spot-checks or remote sensing campaign)

5



Analysis of LPIS QA results 2013, 2014, 2015

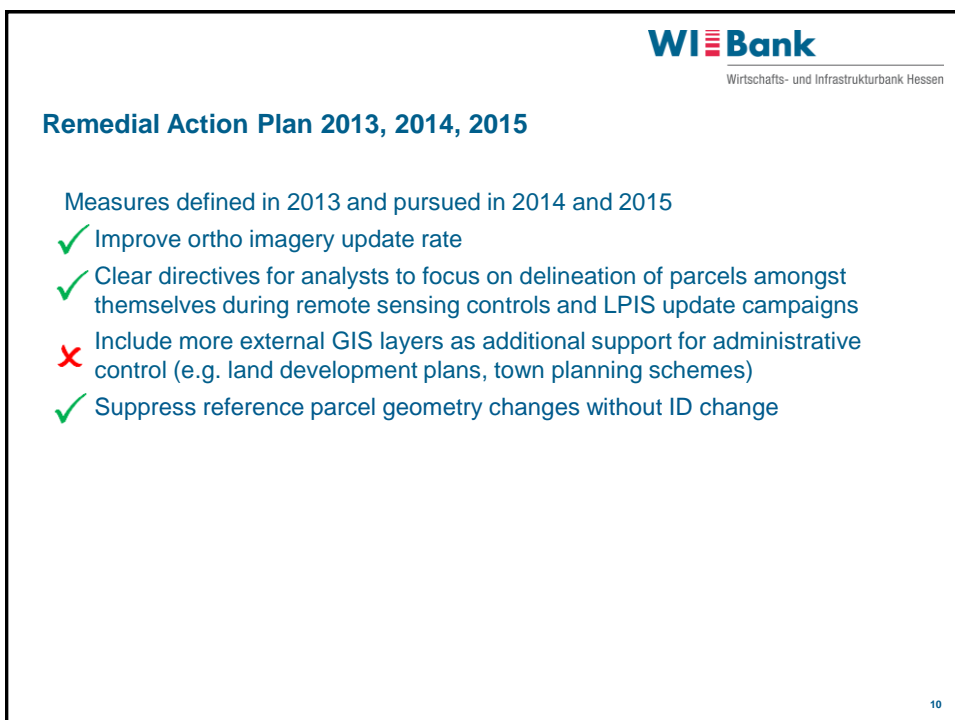
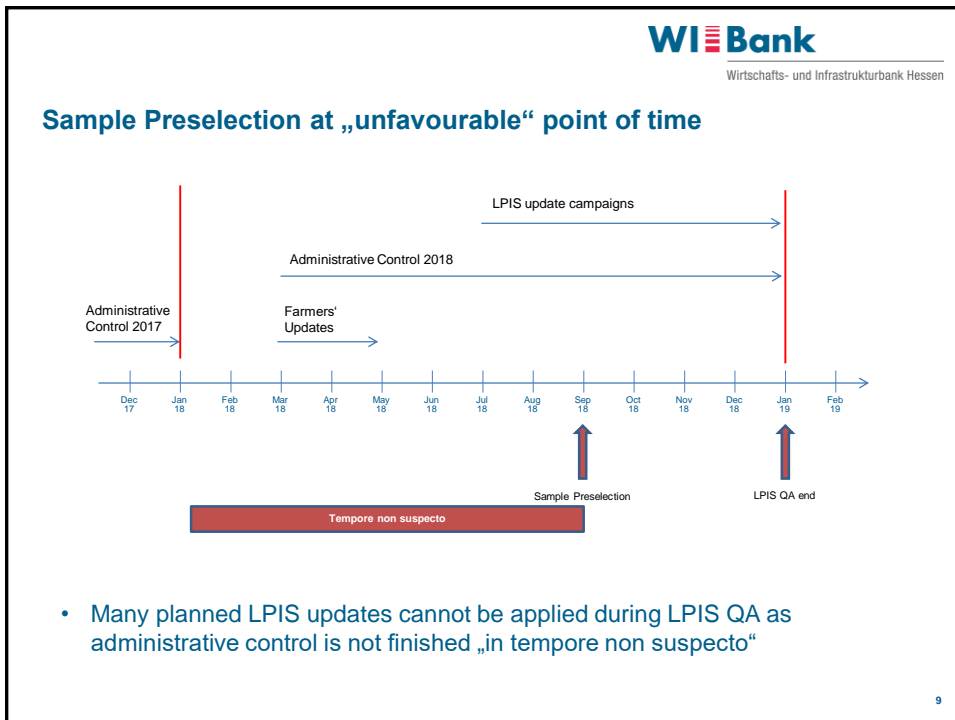
- Analysis of LPIS QA results showed only rare occurrence of contamination with ineligible elements
- Majority of non-conformities results from inaccurate delineation of parcels amongst themselves
 - > Intrinsic problem of the Agricultural Parcel System with its dynamic „inner boundaries“. The same constellation would not lead to non-conformities in other reference systems

7

Dynamic inner boundaries



8



Conclusion

- Implemented measures were successful
 - Multiple minor tool and process improvements every year
 - Annual refreshment of LPIS update guidelines and staff training
 - Focus on quality improvement not only in LPIS core team, but also in Controls Unit
- LPIS quality remains under constant observation - irrespective of consistently improved quality measures since 2013

11

Remedial actions for improvement of LPIS quality of the Hessian Agricultural Parcel System

Thank you for your attention!

Elisabeth Vollmer, Georg Röhrig
Agriculture Funding Department
Area Programs Team
WIBank Hesse
Strahlenbergerstraße 11
63067 Offenbach am Main

Disclaimer

This presentation and the information contained herein was prepared by "Wirtschafts- und Infrastrukturbank Hessen" ("WIBank") for information purposes only and uses indicative, non-binding market data and prices.

This presentation does not constitute investment advice and should not be used as a substitute for your own analysis. The information and any opinions contained herein are valid as of the date of this publication and are subject to change without notice. Any transactions undertaken are entirely at the risk of the user.

The compilation of this material is based upon information and processes, which WIBank believes are appropriate and adequate. Whilst every effort has been taken to ensure the accuracy of the material, no guarantee is given nor liability assumed for the information contained herein. Past performance, simulations and forecasts are not reliable indicators of future performance. (Section 4 sub-section 7 WpDVerOV)

User actions based upon the implemented development strategy are not risk free. Unexpected interest rate and/or price fluctuations may, depending on the timing and extent, lead to significant economic disadvantages for the user.

Due to the personal circumstances of each client, these notes cannot replace tax advice in individual cases. Potential buyers of financial instruments should consult their legal and tax advisors as to the taxation consequences of purchasing, holding and selling of such instruments. The tax treatment may be subject to future changes. (Section 4 sub-section 8 WpDVerOV)

WIBank does not offer consulting or advisory services relating to taxation, accounting and legal issues. Investors should consult their own, independent advisors before entering into any transactions.

This presentation and its contents may not be distributed in any form without the express, prior, and written permission of WIBank.

© Wirtschafts- und Infrastrukturbank Hessen