

## Discussion document on the introduction of monitoring to substitute OTSC

Wim Devos, Dominique Fasbender, Guido Lemoine, Philippe Loudjani, Pavel Milenov, Csaba Wirnhardt, JRC D5

In support of DGAgri's non-paper DS/CDP/2017/03 revising R2014/809, JRC described the main concepts and components of the future 'monitoring approach'. These need to be considered and developed for substituting the current sample approach (on the spot checks) of aid applications or payment claims by a new monitoring system covering all of the applications or claims. The goal is simplification and reduction of the burden of controls. This approach aims for a substantial reduction in the number of field visits.

Such a substitution requires a shift in both thinking and procedures.

Based upon adopting technology now available following the introduction of Sentinel-1 and -2, the monitoring approach relies on their suitability to continuously capture the crop status and land management practices. The technical potential by applying programmable machine learning logic to combinations of high quality LPIS and dense image time series for plausibility analysis is demonstrated.

This document constitutes the Commission's (draft) interpretation of common standards.