



Data sheet SSC

Output

Proof of the similarity of site characteristics between two or more growing or trial sites

Products

- Quick Check: Assessment of the suitability of sites for an SSC to be developed
- Transfer Analysis: Similarity assessment based on processed satellite images and pair wise analysis of NDVI development
- StandardSSC: Similarity assessment based on processed satellite images and additional parameters recommended by EPPO
- Risk evaluation: Comparative risk evaluation of pests and diseases between growing areas based on processed satellite images and other configurable parameters
- Optimized Zonal Trial Planning: Selection of trial sites within an EU zone for mutual recognition which is optimized in terms of agro scientific and economic parameters

Procedure

- Identification of the cultivated agricultural land
- Localisation of the cultivated growing sites on the satellite images
- Determination of level and development of the average crop biomass
- Analysis of the similarity of biomass development in different sites
- Similarity assessment of other parameters such as soil, weather, yield level, etc.
- Evaluation and documentation of all results in a SSC document linked to a BAD

Types

- Verification of the site similarity of two defined growing areas
- Identification of any agricultural site having similar site characteristics as another specified site

Applications

- Bridging the lack of field trial data
- Substitution of field trials
- Optimisation of the strategic planning of trial sites following the assessment of dissimilarity or the assessment of substitutability because of similarities



- Similarity assessment of sites in the northern and southern hemisphere for reduction of field trials to one year
- Identification of field trial sites with similar site characteristics (1: n)
- Similarity analysis of sites across the boundaries of zones and across countries (1: 1)

The data used

- Satellite images
- Weather
- Climate
- Soil
- Cultivation practices
- Land Use
- Phenology
- Agricultural Statistics

Delivery time

- 4 – 8 weeks

