

STEWARDSHIP & COMPLIANCE

WHAT DOES STEWARDSHIP MEAN?

Promotion of the management and responsible use of plant products derived from agricultural biotechnology.

HOW WE DO IT?

We design and document procedures aligned to quality control standards that ensure the product identity.

Then, a program for monitoring field activities is established.

STEWARDSHIP & COMPLIANCE

S&C is a platform that belongs to the Breeding & Testing area. Its main function is to ensure the responsible development of plant products from the earliest stages in the laboratory to experimentation in greenhouses and field.



"In September 2016 INDEAR accomplished the Excellence Through Stewardship program, a global not-for-profit organization that promotes the universal adoption of stewardship programs and quality management systems for the full life cycle of agricultural technology products"



S&C PROGRAM

The activities carried out by INDEAR are protocolized and aligned with the Excellence Through Stewardship® program (ETS).

The S&C team focuses on procedures that are carried out in the field and greenhouse, with genetically modified plants not yet authorized for uncontrolled release.

The main functions of the platform are:

- Compliance of internal processes with national regulations, industry requirements and recommendations of the ETS program.
- Generation of the Stewardship Plan for each project. Includes review of procedures and records that will be implemented throughout the cycle from the shipment of materials to the field/greenhouse, through planting, isolation, sampling and harvesting/final disposal and control of site volunteers.
- Personnel training on biosafety requirements and specific procedures detailed in the Stewardship Plan.
- Establishment of a monitoring plan with critical control points of the process flow: planting, cleaning of machinery, final dispositions, processing, movements.
- Coordination and execution of official inspections and third parties audits.
- Import and export of seed, grain and forage samples..

CAPABILITIES & EQUIPMENT

Formed by highly trained professionals, with vast and varied experience in the management of R&D projects, the S&C team has expertise in both experimental regulated trials, and seed/grain production to obtain high-value proteins. The monitoring activities carried out by the platform are supported by UAV (unmanned aerial vehicles) to obtain fast and accurate information of the site in evaluation. Some applications of this tool are:

- Take updated images of experiments and formation of orthomosaics for phenotypic differentiation, planting densities, flooded sites, nutritional deficiencies.
- Isolation zone monitoring: visualization and description of near crops. Flight plan set up as documentary backup.
- Control of volunteer plants at times of difficult access to the field.
- Accurate site selection.

