

FAO
International Treaty on Plant Genetic Resources
for Food and Agriculture, Secretary

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Information on digital sequence information (DSI)

The Nordic Genetic Resource Center, NordGen, hereby submits its information to the Governing Body on digital sequence information as follows:

Terminology used

The term "Digital Sequence Information" serves as a placeholder until another alternative term is agreed upon and adding the word genetic/genomic would make the expression more describing. A broad general term should be used since the information may consist of everything from tiny fractions of a genome to whole genomes.

Actors involved

Information regarding genetic diversity within and between populations as well as genetic differentiation have a potentially great value in many sectors. The main actors in the Nordic region would be universities and other research institutes, gene banks and breeders. Governmental authorities and farmers may also be interested in results generated from the sequence data.

Types and extent of uses of DSI on PGRFA

Sequence data usually need to be analysed to become useful for any kind of user and subsequent downstream use. Genetic data can be used for e.g. identification and characterization of varieties and traits, to find duplicates, to find suitable conservation strategies or to study population structures and their differentiations.

Relevance of DSI on PGRFA for food security and nutrition

The integration of sequence information on genetic resources will make a great improvement and be an important asset for food security. Information on genetic data is crucial for plant breeding and crop improvement.

Best regards,



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Executive Director