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**INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

HJ 627-2011

Technical guideline for the evaluation of genetic resources

生物遗传资源经济价值评价技术导则

(English Translation)

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Foreword

To implement the "People's Republic of China Environmental Protection Law", "Convention on Biological Diversity," to regulate genetic resources to enable with benefit-sharing and exchange process, to protect genetic resources owners, the interests of users and the promotion of students Protection of genetic resources, conservation, and utilization of foreign exchange, the development of this standard.

This standard specifies the principles of Economic Value of biological genetic resources, procedures, methods and requirements.

This standard is the first release.

Appendix A of this standard is a normative appendix.

This standard is developed by the Ministry of Environmental Protection Science, Technology organization.

This standard is mainly drafted by. Environmental Protection Department of the Nanjing Institute of Environmental Sciences, Nanjing Forestry University.

This standard MEP September 9, 2011 for approval.

This standard since January 1, 2012 implementation.

The standard explanation by the Ministry of Environmental Protection.

The economic value of genetic resources Assessment Technology Guidelines

1 Scope

This standard specifies the principles of Economic Value of biological genetic resources, procedures, methods and requirements.

This standard applies to distributed or origin to the economic value of genetic resources within the territory of People's Republic of China Comment price.

2 Normative references

This standard incorporates the following documents contain provisions.

HJ 626-2011 genetic resources grading standards

3 Terms and Definitions

The following terms and definitions apply to this standard.

3.1 Genetic resources genetic resources

Refers to the actual or potential value (including the value of aspects of economic, social, cultural, environmental, etc.) from a plant, any material containing functional units of heredity, animal, microbial or other origin, including the species and species under a single category Yuan (subspecies, varieties, forms, species, strain, type), including individual organs, tissues, cells, chromosomes, A variety of forms of DNA fragments and genes.

3.2 Genetic resources, the economic value of economic value of genetic resources

It refers to the direct use values, development and conservation values of biological genetic resources.

3.3 Genetic resources direct use value direct economic value of genetic resources

Net income refers to genetic resources, products and processed products in the economic system implemented, including such products or processed food Food, timber, meat, herbs, landscape, animal, seeds have excellent traits like.

3.4 Genetic resources development value development value of genetic resources

It refers to the economic value of the use of genetic information is generated, including increased research and development capabilities, based on genetic information Value of intellectual property and the like. The difference between biological and genetic resources,

genetic information products and processed products is its non-physical form.

3.5 Genetic resources conservation value conservation value of genetic resources

It refers to the genetic resources of potential economic value, including the maintenance of national security, cultural diversity, ecological security produced Students major role.

3.6 Economic Evaluation of economic valuation

Means a specific purpose, according to certain criteria, procedures and methods of biological genetic resources for different purposes, the work Monetary value can be estimated.

3.7 Contribution of biological resources genetic contribution to economy growth by genetic resources it refers to the contribution of genetic resources for national economic and social development.

3.8 Access to biological genetic resources, access to genetic resources

Refers to the mutually agreed terms, biological genetic resources have provided genetic resources to users.

3.9 Benefit-sharing benefit sharing

It refers to the sharing of benefits arising from a variety of biological and genetic resources generated, including monetary and non-monetary benefits.

3.10 Cost - benefit analysis cost-benefit analysis

Refers to all socio-economic costs and benefits related to biological genetic resources of a decision or generated by the project will be a Species evaluated.

3.11 Intellectual Property intellectual property

Refers to the rights of citizens or legal persons of their intellectual activity create spiritual wealth enjoyed, including patents, trademarks, the Copyright (copyright), and other varieties.

4.1 Sustainable Use Principles

Consider the long-term interests of the country and all mankind, to strengthen the protection of genetic resources, the sustainable use of genetic resources and national development Development strategies and environmental security together.

4.2 Principles of ownership

Expressly attributed to genetic resources and safeguard the interests of resource ownership.

4.3 Fairness

Methods Market forecast and analysis, cost-benefit analysis, to find a property owner and user of dual evaluation Methods or results of the evaluation.

4.4 Principles future earnings

Dynamic evaluation from the time series, the conservation of biological genetic resources, future value in use.

5.1 Evaluation Program

5.1.1

to determine the purpose of evaluation Biological evaluation of the economic value of genetic resources for purposes include.

- (1) relates to the value of the evaluation of biological genetic resources, benefit-sharing;
- (2) a particular event or behavior of biological genetic resources as a result of the assessment of economic loss;
- (3) the cost of a particular biological genetic resources conservation programs or policies - benefit analysis;
- (4) measurement of biological genetic resources in specific regions, the total value of the type of currency.

5.1.2 Explicitly evaluated

Evaluation objects can be divided into species, subspecies, varieties, forms, species, strain, type, and so on.

5.1.3 Scoping

Scope of the evaluation include the length of time (a year, for a certain period, indefinite, etc.) and spatial scales (regional, national, etc.).

5.1.4 Select Value category

According to the characteristics and purpose of the evaluation of biological genetic resources, select the need to evaluate the value category.