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**NATIONAL STANDARD OF THE
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GB/T 46869-2025

**Ecosystem assessment - Technical guidelines for terrestrial
gross ecosystem product accounting**

生态系统评估 陆域生态产品总值核算技术指南

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Table of Contents

1.Scope	1
2 Normative References	1
3.Terms and Definitions	1
4.Accounting Process	2
7.Accounting Methods	12
61 Appendix E (Normative) Table 62 for the Calculation of Gross Value of Terrestrial Ecological Products References	64

Foreword

This document conforms to GB/T 1.1-2020 "Standardization Work Guidelines Part

1.Structure and Drafting Rules of Standardization Documents". Drafting is scheduled.

Please note that some content in this document may involve patents. The issuing organization of this document assumes no responsibility for identifying patents. This document was proposed and is under the jurisdiction of the National Technical Committee on Standardization of Environmental Management (SAC/TC 207). This document was drafted by: Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences; Chinese Academy of Environmental Planning, Ministry of Ecology and Environment; and China National Institute of Standardization. The People's Government of Lishui City, Zhejiang Province; Shenzhen Municipal Bureau of Ecology and Environment; Shenzhen Academy of Environmental Sciences; Lishui Municipal Market Supervision Administration; Lishui University Deqing County People's Government, Shenzhen Ecological Environment Monitoring Center Station of Guangdong Province, Fuzhou City People's Government of Jiangxi Province, Gaochun District People's Government of Nanjing City Lishui Municipal Institute of Quality Inspection and Testing The main drafters of this document are. Ouyang Zhiyun, Xiao Yi, Wang Jinnan, Xu Bingsheng, Rao Enming, Zou Ziyang, Song Changsu, Shi Faqi, and Zhu Chunquan. Zheng Hua, Ren Yufen, Yu Fang, Zhang Yali, Yao Yunong, Kong Lingqiao, Xu Weihua, Ouyang Fang, Ma Guoxia, Li Jianguang, Zhang Guanshi, Zhang Lijia, Sun Fangfang Chen Shang, Rao Honglai, Lu Fei, Han Baolong, Lin Yiqing, Liu Keqin, Wang Weimin, Shen Yannan, Wang Liwu, Zhang Weibao, Hu Xueyi.

This document belongs to the same series of standards as the following. Technical Guidelines for Ecosystem Assessment --Standards for ecosystem assessment methods for evaluating ecosystem pattern and quality; --Standards for ecosystem assessment and ecosystem service assessment methodologies; --Standards for ecosystem assessment and

terrestrial ecosystem degradation assessment methodologies; --Standards regarding technical guidelines for urban ecosystem monitoring; --Standards for ecosystem survey methodologies in regional ecosystem assessment; --Standards for technical guidelines on ecosystem assessment and terrestrial ecological asset accounting; --Standards for the comprehensive assessment index system and calculation methods of urban ecosystems. This document is closely related to other documents in the series and is the most comprehensive document in the series. The section on "Defining Ecology" in this document... The process of "system type" sets high requirements for the standards of ecosystem pattern and quality assessment methods in the series; while "ecological production" "Physical quantity accounting of goods and services" is a direct application of standards for ecosystem service assessment methodologies. Ecosystem assessment Technical Guidelines for Gross Terrestrial Ecological Product Accounting

1 Scope

GB/T 46869-2025 is the Chinese national standard covering how the gross ecosystem product of a territory is accounted for - putting a monetary value on what land produces without being sold: water regulation, carbon sequestration, soil retention, flood mitigation, pollination and the landscape people visit. GEP is China's counterpart to GDP for natural capital, and several provinces already report it. At 35,000 words this is the technical basis: the categories, the physical measurement of each service, the valuation methods and the reporting. First edition. It was issued on 31 December 2025 and has been in force since 31 December 2025, as a first edition. The document is under the responsibility of the Standardization Administration of China. This page is published from the official record of the 2025 edition; the clause text of a standard this recent is not yet in circulation, and the figures, limits and tables it contains are those of the document itself, delivered in full with the English translation.

This document provides the technical process, indicator system, data usage, accounting methods, and accounting reports for the accounting of Gross Terrestrial Ecological Product (GEP). Guidelines for the compilation of the report. This document applies to the accounting of the gross value of terrestrial ecological products in administrative regions at the county level and above. Other terrestrial natural geographical regions may refer to this document for implementation. This document also applies to ecological protection effectiveness assessment, government performance evaluation, ecological protection compensation, ecological environment damage compensation, and business development financing. Ecological resource rights transactions, etc.

2 Normative references

This document has no normative references.

3 Terms and Definitions

The following terms and definitions apply to this document.

3.1 ecosystem A functional whole formed by the interaction of plant, animal and microbial communities and their abiotic environment within a certain spatial range.

3.2 Ecosystem services The benefits that humans derive from the ecosystem.

Note. Ecosystem services include ecosystem material products, regulatory services, cultural services, and support services.

3.3 Ecosystem product Ecosystems provide and are used for economic activities and other human activities.

Note. Ecological products include three categories: material products, regulatory services, and cultural services.

3.4 Gross ecosystem product (GEP) Gross Ecosystem Product The sum of the monetary value of all ecological products provided by various ecosystems within a given area during the accounting period, minus the value of exogenous products from that area. Product value.

3.5 material product Ecosystems provide and are used by humans for material products.

Note. Material products include grains, oilseeds, vegetables, fruits, timber, traditional Chinese medicine, forage grass, flowers, and biomass energy, etc.

3.6 regulating service Ecosystems are the benefits that ecosystems provide to maintain or improve the environment in which humans live and thrive.