

International Science Plan for an Eco-Secured Community with a Shared Future for Mankind

ESCM Plan

(Updated as of November 12, 2025)

The *International Science Plan for an Eco-Secured Community with a Shared Future for Mankind* (abbreviated as the **ESCM Plan**) was proposed by experts from the Institute of Zoology, Chinese Academy of Sciences, who have long researched the sustainable survival of humankind (*Homo sapiens*), and jointly launched with experts and scholars from 159 institutions across 26 countries during the first "ESCM International Congress" in November 2022. The ESCM Plan has the sole scientific objective of providing robust scientific support for building an "Eco-Secured Community with a Shared Future for Mankind" worldwide — ensuring the Eco-Security necessary for the sustained survival of children and people in every country, and all humanity. Its concrete implementation model involves actively promoting, supporting, and serving scientific communities and governments in various countries to carry out a series of scientific research projects for their own "**National Eco-Security System (NESS)**". It also continuously organizes international, regional, or country-specific scientific exchanges such as international congresses on this theme.

After nearly three years of practical action, the ESCM Plan has garnered responses from experts and scholars in over 150 countries and is being implemented in higher education/research institutions (HERIs) across 54 countries. It has made positive contributions to the promotion and practical implementation of the great vision of a "Community with a Shared Future for Mankind" across the world. The ongoing international scientific exchange work of the ESCM Plan mainly includes the following three aspects:

I. ESCM Country-specific "**1+1 Action**" Implementation Plan (2025-2035)

A. Supporting and Assisting Countries in Formulating the *Eco-Security National Research Plan*: Support countries in regularly convening an "Eco-Security National Science Congress," bringing together representatives from all domestic HERIs and other institutions, centered on the goal of building their National Eco-Security System (NESS). Facilitate discussions and exchanges involving all disciplines to form a large-scale, collaborative "Eco-Security Scientific Community"; establish a "Eco-Security National Scientific Committee"; and **formulate a nationally-scaled, all-discipline participatory, and systematically coordinated *Eco-Security National Research***

Plan for their country.

B. Promoting the Establishment of *Eco-Security National Research Centers* in Various Countries: Support countries in preparing to establish "Eco-Security National Research Centers" to coordinate the efforts of all domestic research institutions and conduct long-term scientific research centered on the *Eco-Security National Research Plan*.

II. Promoting Large-Scale Global/National Ecological Science Popularization and Awareness Campaigns

Promote **ecological science popularization and interactive campaigns** at the global, regional, national, and institutional levels under the theme of "**Jointly Building an Eco-Secured Community with a Shared Future for Mankind — Light Up the Heart of Science, Light Up the Future of Humanity**". Encourage experts, scholars, and HERIs from all disciplines in every country to make solemn commitments to the future of their own children and the nation's children, and to courageously undertake the research responsibilities for serving their country's National Eco-Security System (NESS).

III. Compilation and Release of the *Global Development Report on an Eco-Secured Community with a Shared Future for Mankind*

Annually compile and release the electronic version of the *Global Development Report on an Eco-Secured Community with a Shared Future for Mankind* and its *Country Volumes* (referred to as the **ESCM Global Report**). The *Report* will include information and contributions from all global HERIs (approximately 37,000) and their experts and scholars who actively support and participate in the joint-building actions in their own countries/globally. Heads of state and leaders of HERIs are invited to contribute forewords or letters of support for their national volumes. Targeted distribution and physical exhibition campaigns will be organized in various countries.

Welcome to Jointly Building the ESCM!

Website: www.ness.link

ESCM@ness.link

Appendix:

One Target · An Eco-Secured Community with a Shared Future for Mankind Haikou Initiative

The National Eco-Security System (NESS) International Science Network, Haikou Forestry Bureau, and Hainan Normal University, together with the other 22 co-organizers (listed below), sponsored the first *NESS International Science Congress and Workshop on An Eco-Secured Community with a Shared Future for Mankind* in Haikou, Hainan Province, China, between 18th and 19th November, 2022. 202 experts and scholars from 156 institutions in 26 countries attended the onsite-online hybrid meetings and reached the following consensus on the keynote of jointly building “***an Eco-Secured Community with a Shared Future for Mankind***”:

Several global reports warn that the current global ecological crisis has severely threatened the long-term survival of human beings. The opposition, conflict, and social division caused by various factors make it difficult for human beings to gather strength and unite to deal with the deteriorating ecological disaster. Humanity has once again found themselves standing at a crucial crossroads. At the 2017 annual meeting of the World Economic Forum in Davos, Chinese President Xi Jinping proposed to the international community a Chinese plan: “Building a Community with a Shared Future for Mankind (CSFM) to achieve win-win sharing”. The concept of building a CSFM has been written into many resolutions of the UN and is recognized and endorsed by more and more countries.

The goal of Building a CSFM includes many aspects and fields such as economy, ecological environment, science, and technology, public health, food security etc. “***An Eco-Secured Community with a Shared Future for Mankind***” – that is the *Eco-Security* conditions necessary for survival of human beings (*Homo sapiens*, from individuals to groups, from children to adults), and ***National Eco-Security Systems*** (NESS) that each country builds at the national level in order to maintain *Eco-Security* for its own people - are the guarantee bottom-line and an important cornerstone of CSFM. The international community and countries worldwide urgently need to carry out systematic and in-depth scientific research and collaborative actions on this common “bottom line system” as soon as possible.

Based on the above consensus, this Congress proposes to the international scientific community and scientists from all over the world the following *initiative call*:

1. It calls on scientists, universities, scientific research institutes and other institution in various countries to pay close attention to the Eco-Security bottom-line necessary for the long-term survival of the children of ourselves and our own countries, and people of our own countries, have the courage to take our responsibility, and actively support and participate in relevant scientific research and collaborative actions in their countries.
2. It calls on the international scientific community, universities, research institutions, and international organizations to pay attention to the Eco-Security targets needed for the sustainable survival of all children and mankind around the world, form consensus and actively support and participate in relevant scientific research collaborations and joint actions around the theme of establishing “***an Eco-Secured Community with a Shared Future for Mankind***”.

**NESS International Science Congress 2022
2022.11.19**