

IDSSD: The Earth-Humanity Coalition

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Muscat Global Knowledge Dialogue

January 2025 | Muscat, Oman



THE EARTH-HUMANITY
COALITION



FROM IYBSSD TO IDSSD

The challenges that humanity needs to overcome to advance towards an equitable wellbeing in a healthy planet require the concerted contribution of all sorts of sciences and knowledge.

Although essential, basic sciences are not enough



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2024 • 2033
International Decade of
Sciences for Sustainable
Development

UNITED NATIONS RESOLUTION IDSSD

THE LANGUAGE AND AMBITIONS OF THE UN RESOLUTION DECLARING THE INTERNATIONAL DECADE OF SCIENCES FOR SUSTAINABLE DEVELOPMENT HIGHLIGHT THE PRIORITIES THAT ARE EMBRACED.

Acknowledging that humanity is exposed to complex challenges, and that the full implementation of the 2030 Agenda for Sustainable Development in all its dimensions requires a more effective and inclusive approach based on synergistic cooperation of all sciences – basic and applied sciences as well as social and human sciences, including traditional knowledge – enabling the development of technology, innovation and education,

Emphasizing that the evidence-based methodologies and the models of operation and collaboration used in research can support policymakers in finding adequate responses to the present and future complex challenges, and that open science can help in promoting and strengthening international cooperation,

Recognizing that developing countries face specific challenges in accessing new sciences and technologies, stressing the need to bridge the divides within and between countries, and highlighting the importance of financing and capacity-building,

1. *Decides* to proclaim the period 2024–2033 the International Decade of Sciences for Sustainable Development, within existing structures and available resources, to represent a unique opportunity for humanity to use the critical role that sciences play in the pursuit of sustainable development in its three dimensions as one

THESE PRIORITIES ARE EMBRACED AND PROMOTED BY THE EARTH-HUMANITY COALITION

United Nations

A/RES/77/326



General Assembly

Distr.: General
1 September 2023

Seventy-seventh session

Agenda item 13

Integrated and coordinated implementation of and follow-up to the outcomes of the major United Nations conferences and summits in the economic, social and related fields

**Resolution adopted by the General Assembly
on 25 August 2023**

[without reference to a Main Committee (A/77/L.100)]

77/326. International Decade of Sciences for Sustainable Development, 2024–2033

THE AMBITIONS OF THE EARTH – HUMANITY COALITION



INTEGRATED KNOWLEDGE MOBILIZATION

- Collaborate across all sciences
- Include traditional & indigenous knowledge (transdisciplinarity/co-constructed/participative science)
- Focus on sustainability driven by equality and wellbeing for all in health territories (regenerative development) → Integrated SDGs approach and more ambitious.

REIMAGINING THE ROLE OF SCIENCE

- Enhance science's responsiveness to humanity's immediate and future needs
- Improve integration with governance and policymaking.

TRANSFORMATIVE IMPACT GOALS

- Reframe processes of research and innovation, and the science-society nexus: interconnect science and society in a worldwide web/grid of co-constructed initiatives for wellbeing in a healthy planet

ABOUT THE EARTH-HUMANITY COALITION

- A global bottom-up network to connect and mobilize all kinds of organizations (about 50 now) and transdisciplinary hubs worldwide (academic and non-academic)
- A means to foster transformative actions at multiple scales (from local to global) and leverage existing efforts, with dynamism, agility, and effectiveness
- A complementary partner of UNESCO, ISC and other organizations to achieve the ambitious goals of the IDSSD

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CREATING THE CONDITIONS FOR TRANSFORMATIVE CHANGE

GOALS FOR A TRANSFORMATIVE DECADE

Co-create the Web of Earth-Humanity Sciences:

- Establish a global network of transdisciplinary hubs for sustainable development
- Establish Zenodo open repository(ies) for transdisciplinary hubs (MoU with Belmont Forum). Help of CERN.
- Promote transformative collaboration across cultures and disciplines
- Extend Big Science's and International Unions spirit of intercultural bridges and peace

Support a new culture of wellbeing:

- Embrace science and wisdom for collective responsibility and creativity
- Redefine human development within Earth's boundaries
- View Earth as a living whole, emphasizing unity and interdependence

Formulate critical questions for equitable wellbeing:

- Use diverse knowledge sources to address existential challenges



IDENTIFYING THE ADDED VALUE OF THE EHC



Cooperative and open attitude and work practices

Holistic knowledge integration

Global bottom-up network of transdisciplinary hubs

Mobilizing infrastructures for sustainability at all scales

Focus on equality, fair future and planetary reconciliation at all territorial scales

Ambition to reframe science-policy nexus and R&I agendas

Working for resonance

- Partnering with **UNESCO** and ISC, to ensure the synergy and complementarity with the wider IDSSD agenda
- Partnering with The Club of Rome, the UNESCO-MOST BRIDGES Coalition and the World Academy of Art and Science to promote integrated knowledge production and action for transformative change at local community and regional levels

IUPAP
EHC
IDSSD

ROLE OF IUPAP IN EHC AND IDSSD

IUPAP IS HOSTING FOR THE MOMENT THE EARTH-HUMANITY COALITION LIKE IT DID FOR IYBSSD

IUPAP IS LEADING THE EFFORT TO USE TRANSDISCIPLINARY RESEARCHES ON SUSTAINABLE DEVELOPMENT, ARCHIVING THEM ON ZENODO, A CERN OPEN PLATFORM REPOSITORY FOR ALL SORTS OF MEDIA (PAPERS, DATA, NARRATIVES, VIDEOS, SOFTWARE, ETC).

AN MOU WAS ESTABLISHED WITH THE BELMONT FORUM (WORLDWIDE FORUM OF FUNDING AGENCIES FOR TRANSDISCIPLINARY RESEARCH FOR SUSTAINABLE DEVELOPMENT) TO USE ZENODO IN ALL ACTIVITIES

MORE PARTNERS ARE NEEDED WORLDWIDE TO INCREASE THE VISIBILITY OF THIS INITIATIVE, TO DEVELOP ZENODO SO THAT IT BECOMES A WORLDWIDE GRID OF ZENODO PLATFORMS DEPLOYED (EACH PLACE BEING RESPONSIBLE FOR ITS OWN ZENODO PLATFORM). JOINT TASK BY EHC, CERN AND IUPAP.

THIS ZENODO INITIATIVE WAS STARTED BY PHYSICS.

IUPAP RECENTLY CREATED A WG ON PHYSICS FOR CLIMATE CHANGE ACTION AND SUSTAINABLE DEVELOPMENT THAT WILL CONTRIBUTE TO THIS EFFORT.

The Zenodo logo is a white lowercase 'zenodo' text centered within a solid blue square. The background of the slide features a light blue molecular network pattern with a yellow circle on the left side.

zenodo



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CURRENT EHC STEERING GROUP:

- **Michel Spiro**, President of IUPAP and Chair of the Steering Committee of IYBSSD, France
- **Carlos Alvarez Pereira**, The Club of Rome, Spain
- **Lesley Green**, University of Cape Town, South Africa
- **Steven Hartman**, UNESCO-MOST BRIDGES Coalition, Sweden
- **Nebojša Nešković**, The World Academy of Art & Science, Serbia
- **Marian Nkansah**, Kwame Nkrumah University of Science and Technology, Ghana
- **Prajval Shastri**, Raman Research Institute, India
- **Luc Allemand**, Coordinator, The Earth-Humanity Coalition
- **Raad Sharar**, Program Coordinator, The Club of Rome



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International
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وزارة التعليم العالي
و البحث العلمي والابتكار
Ministry of Higher Education
Research & Innovation



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