



Transformative
Ideas



Catalytic
Strategies



Social
Impact

Leadership in thought that leads to action

WAAS



World Academy of Art and Science

**Strategic Planning Process
Major Programs & Ongoing Prospective Projects**

Six WAAS Programs Advancing Human Security for All

Building bridges for effective action between individuals, institutions, disciplines, and sectors



Human Security Campaign

A multi-year, multi-phase campaign launched with the UN and backed by a global network of partners to generate public awareness; foster political commitment; increase investment & technological innovation; revamp critical policies and programs; align educational content to enhance student capacity to adapt to global challenges, thrive personally and contribute collectively; and unleash a global social movement to promote human security for all.

Target Impact

1,000
Organisations mobilised



Financing Sustainable Development Gaps

Innovative financing strategies combined with technological innovations can fill the gap between global investment needs and funding required to achieve the 17 sustainable development goals and addressing the full range of human security needs. This initiative involves engagement with business and technology leaders and top global financial institutions to highlight opportunities that are financially, commercially and socially viable.

500m
People benefitted by financial inclusion



Transforming Education & Learning

Transforming education will create a new paradigm in higher education through a low-cost, global delivery system; affordable, value-based, transdisciplinary, life-centered, person-centered curriculum that fosters human security, independent thinking, creativity, innovation, universal values, responsibility, development and collective action for the global public good.

1m
Students benefited



Science for Human Security & Sustainable Development

UNESCO and International Science Institute backed consortium of 50+ organizations to focus all fields of science research to address critical human security and sustainable development issues, promote effective science diplomacy with policy-makers, and develop integrated regional, transdisciplinary research-policy-delivery system models for implementation globally.

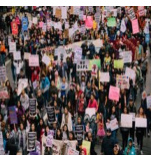
1,000
Organisations mobilised



AI & Virtual Reality Learning

AI and Virtual Reality program to accelerate learning in fields, develop and disseminate self-paced, customized, interactive, individual life-long learning systems for all subjects, conduct training for college students to enhance their learning rates, develop AI platform learning delivery systems and AI-based decision-making systems.

500m
People participating



Global Citizenship Participation

Global Voices is an initiative to enable the emergence of collective global social consciousness and identity by designing, launching and validating a transnational, global platform reflecting the collective voice of humanity and empowering the global public to express their aspirations, ideas and proposals for fundamental global systems change.

1bn
People participating

This funding program aims to establish a permanent staff and organization for the Academy's central administration and develop teams of professionals to manage the Academy's expanding program of work, augmenting the current voluntary system

Human Security Campaign



Mission

Projecting an integrated concept of security that transcends the focus on military preparedness and addresses the root causes of insecurity that underpin social unrest, violence and war while identifying opportunities for business, technology, policy-makers, economists, educators and scientists to adopt a holistic approach to addressing local, national and global human security threats.

Program Initiatives

Impacts

Consumer Electronics Show adoption of HS4A theme in 2023-24 is sensitizing leaders of business and technology to the opportunities and social threats to human security by rapid advances in technology

Inform 500k business & technology leaders

Training Program for Inter-Parliamentary Union to educate policy-makers on human security as complement and support for implementation of 17 SDGs

Train MPs of 180+ national parliaments

Human Security for Scientific Research with InterAcademy Partnership to focus on opportunities for research on human security needs in all fields

Inform 150 science academies

International Year of Sciences for Sustainable Development (IYSSD) conferences on scientific potentials to address human security needs

Identify & promote 50 potentials

School Education for Human Security promotion of human security in primary and secondary curriculum education in South Asia & ME

Engage 1,500 schools & 6 mil students

Human Security Measures for evaluation of programs, investments & project performance by

For govt, banks, UN, corporates

Public media campaign promoting awareness of human security to the general global public through exhibitions, press and social media

Inform global public

Human Security Campaign Case Study



CES 2023 & 2024 Branded with Human Security theme, world's largest technology expo projecting human security as a global social need and business opportunity to direct technology to meet human needs or and avoid threats to human security.

“Great Minds” expert panels organized by WAAS & F4G illustrating the power of technology to meet human security needs in areas such as financial inclusion, education and health.

- 90 second HS4A video in hundreds of seminars
- Awards for technologies enhancing human security

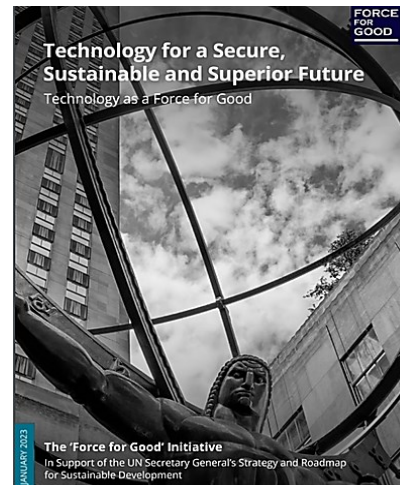
Plans underway for CES2025

CES2023 & CES2024

- 250,000+ business and tech experts
- 150 countries
- 60% of the Fortune 500
- 5000+ members global press
- 800+ exhibitors
- 2.5 million sq ft exhibitions
- 250+ seminars
- 1000+ expert speakers

Technology as a Force for Good Reports Released at CES

Two special reports by WAAS partner Force for Good were released & widely publicized at CES in 2023 & 2024 documenting practical strategies to accomplish the SDGs by 2030.



Campaign Coverage

- 25,000 media mentions
- 277 billion social media impressions
- 35,000+ articles
- Value of expo coverage estimated at US\$5 million



UN Sec-Gen's Tech Envoy, Amandeep Singh Gill invited by WAAS to CES2024

Financing Sustainable Development Gaps



Program Initiatives

Impacts

Scaled global high impact solutions for closing the SDG Gap:
 matching supply and demand for scaled roll-out of solutions encompassing:

21 Solutions, addressing up to 70% of the SDG gap

- Policy
- Social & Environmental Capital
- Technology
- Inclusive finance
- Impact NGOs, and
- The individual

Six Transformative Initiatives, Direct Impact on Policy and Implementation

5%-90% Solution Execution

Systemic change for sustainable development, through transformed capital and financial systems, Influencing capital flows

125 Leading Financial Institutions

Technology as a Force for Good, Influencing strategy and execution

100 Leading Tech Cos' Initiatives

Mission

To originate, influence and execute systemic and innovative strategies, solutions and initiatives, leveraging technology, that attract the funding required to achieve the 17 sustainable development goals and address the full range of human security needs.

Financing Sustainable Development Case Study

Case Study: Mass Financial Inclusion, Cuts Across All 4 Initiatives

Proposition: Global Roll-out of India's shared technology which has delivered mass financial inclusion to half a billion people in India thus far, particularly focused on the Global South



- Jan 2021: Research Mass Financial Inclusion
- Feb 2021-October 2022: Engagement with India and UN
- May 2023: Presented at UN EcoSoc Chamber to International Audience

Indian Government Initiative:

Signed up: Antigua, Barbados, Barbuda, Trinidad & Tobago, Sierra Leone, Suriname, Armenia, Papua New Guinea

In discussion: Mauritius and Saudi Arabia

Target: 50 countries within the next 5 years

The 'India Stack': Digital Public Goods

Use Cases



India Stack: Key Layers
Open Access APIs

Consent Layer. A modern, privacy-based data protection and sharing framework

Cashless Layer. A fully interoperable electronic payments network for individuals and institutions

Paperless Layer. Ability for individual to store and retrieve their documents and information digitally

Presence-Less Layer. Unique and verified digital biometric identity with open API access

Building Blocks



Transforming Education & Learning Program



Mission

Create new paradigm in higher education through a low-cost, global delivery system; affordable, value-based, person centered, trans-disciplinary, contextual curricula fosters independent thinking, creativity, innovation, universal values, responsibility, development and collective action for global public good.

Program Initiatives

Impact

Future Leaders PG Program on Business, Tech, Society -- integrated courses for business and technology focusing on opportunities, threats, social impact & ethics, for distribution through universities, online and AI self-learning globally

Launch new institution with integrated curriculum

Human Security course content for transforming higher education to reorient all major academic disciplines for distribution through global UN SDSN network

Reach 1000 to 2000 universities

Trauma Informed Care Training for psychologists and counsellors to assist trauma-inflicted civilian and military victims of violence

Scale TICT for globally reach

Transdisciplinary University Courseware integrating human security, leadership, sustainable development, mind-thinking-creativity, process of social evolution

Deliver 20 courses to 20,000 students

Global Platform accessible, affordable, multilingual delivery system for Hybrid, Online & AI-based Distribution

Launch global delivery system

Education for Human Security - "Classroom to Community" (C2C) for schools & colleges in South Asia and Middle East

Reach 6 million students in 5yrs

Address the impact of AI on Job Skills, Employment & Entrepreneurship by developing recommendations and models for inclusion of appropriate content in college curriculum in collaboration with UNESCO and other international agencies

Inform & promote adoption internationally

Transdisciplinary Research Models – formulate recommendations based on successful models for transdisciplinary research that can be documented and propagated to other institutions

Inform & promote adoption

Transforming Education Case Study

Case Study: Creating The Next Generation Of Leaders - Institute for Leadership in Business, Technology and Social Development



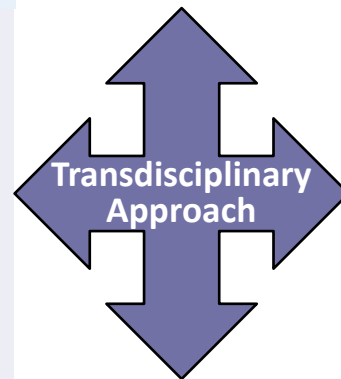
The world's education systems are not producing the quality of leaders fit to understand, lead and manage the world transition underway

Future leaders need a command of the integrated nature of society, business and technology

Our research documents the need for a new paradigm in higher education that delivers person-centered pedagogy and contextual transdisciplinary knowledge distributed globally through a global delivery system including classroom, on-line and AI based learning systems

MIIMS Institute for Integrated PG Program on Future Leadership in Business, Technology and Society is a prototype for new paradigm education at a greenfield campus in Pondicherry, India, supported by an international multidisciplinary faculty and a transdisciplinary leadership curriculum to be delivered through classroom, online and AI-based multilingual applications.

Paradigm Shift in Pedagogy



Integrating themes

- ✦ Inspirational Effective Leadership
- ✦ Human Security DNA'd Business
- ✦ Technology as a Force for Good
- ✦ The Future of Democracy
- ✦ Human-Centered Wealth Creation
- ✦ Sustainable Social Development
- ✦ Unlocking Human Potential
- ✦ Unlimited Minds, Thinking & Creativity
- ✦ Process of Social Evolution
- ✦ Science, Technology & Social Responsibility

Science, Human Security & Sustainable Development



Mission

Projecting an integrated concept of security that transcends the focus on military preparedness and addresses the root causes of insecurity that underpin social unrest, violence and war while identifying opportunities for business, technology, policy-makers, economists, educators and scientists to adopt a holistic approach to addressing local, national and global human security threats.

Program Initiatives

WAAS-UNESCO IDSSD Conference Series on Sustainable Development & Human Security on science & technology themes to identify

Impact

Identify 100+ projects

Earth-Humanity Coalition-WAAS-UNESCO Program of Science for Sustainable Development involving and collaborating with

Involve 50+ partners

Technology for Human Security Research by Force for Good to validate high impact applications for HSSD on

Promote 19 technologies

Human Security for Scientific Research with InterAcademy Partnership to focus on opportunities for research on human security needs in all fields

Involve 50 science academies

Integrated Research Project for Science Diplomacy on HSSD combining researchers, policy-makers, financial institutions, governments and corporations.

Promote adoption of model globally

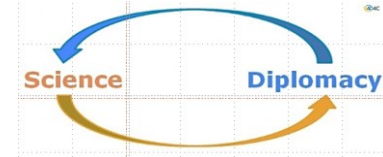


Science, Human Security & Sustainable Development Case Study

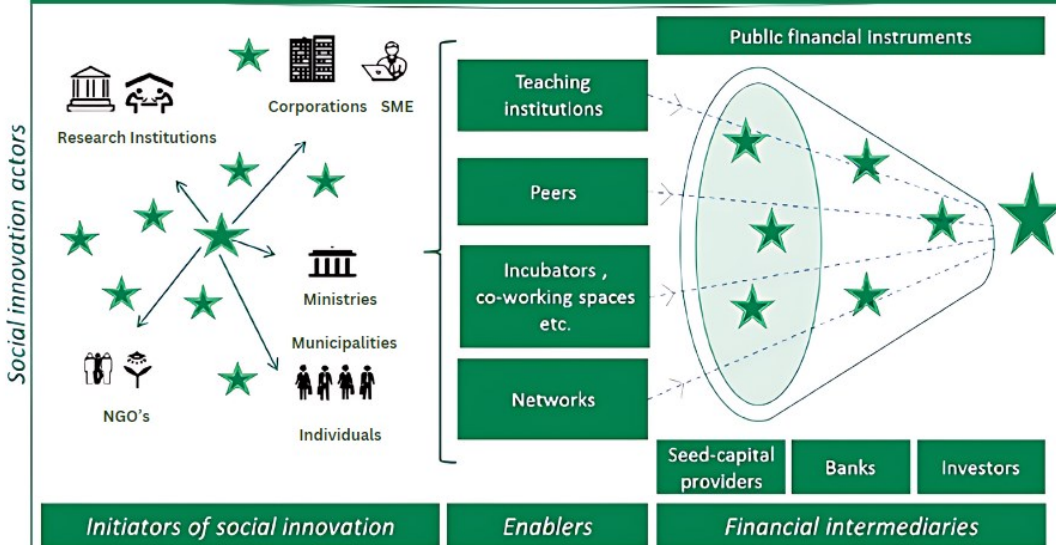
Integrated Science Diplomacy Institute

Multi-stakeholder Model for Research & Social Impact

IISST-SEE



Intergovernmental Multistakeholder Framework



In 2017 WAAS proposed to CERN and the EU the establishment of a multistakeholder scientific institute by South Eastern Europe countries to foster scientific collaboration in the region by the application of science and technology to promote employment and sustainable development in SEE. The program was designed to bridge the gaps between research, public policy, financial institutions, and corporations. It attracted significant interest from national governments and received offers of financial support from the EU.

WAAS' objective is to promote the establishment of similar models in different regions of the world

Geneva Science & Diplomacy Accelerator (GESDA) founded by the Governments of Switzerland & Geneva in 2019 is a successful example confirming the value of a model very similar to that which WAAS would seek to spread worldwide).



GESDA's vision is to "Use the future to build the present" by bringing together different communities in order to jointly anticipate scientific and technological advancements and, based on them, develop inclusive and global solutions for a sustainable future.

AI & Virtual Reality Learning



Mission

AI and Virtual Reality program to accelerate learning in fields, develop and disseminate self-paced, customized, interactive, individual life-long learning systems for all subjects, conduct training for college students to enhance their learning rates, develop AI platform learning delivery systems and AI-based decision-making systems.

Program Initiatives

Impact

AI for Medical interactive training program prototype for integration of AI into different fields of higher education with digital tools, scalable online platform and international network of partners

Training 1m students in 5 years

AI-based learning app for interactive, self-paced, customizable, personalized, generative formal, informal and life-long learning

Customizable to all subjects

AI-based symbiotic, general decision-making system: research, prototypes and testing models incorporating both objective and subjective factors governing ultimate outcomes

Powerful tool for increasing decision quality

Leveraging AI to elevate development of human intelligence overcoming limits of silo-based thinking and cognitive biases to enhance education, research & decision-making

Global applications

Delivery platform for AI learning systems -- self-paced, multilingual, generative AI learning for school, college, independent and continuous learning

Low-cost global delivery of courses

AI-based global news monitoring system -- research and prototype development to identify fake news, rate source reliability and build trust in media

Address threat to economic, political & social stability

AI & Virtual Learning Case Study

Case Studies: Research Priorities on Impact of AI on education, economy, culture & consciousness

PREPARING STUDENTS, TEACHERS AND EDUCATIONAL INSTITUTIONS FOR REVOLUTION IN LEARNING

AI training: Need for programs to prepare both teachers and students to fully utilize the powers of generative AI to enhance learning outcomes while reducing time requirements.

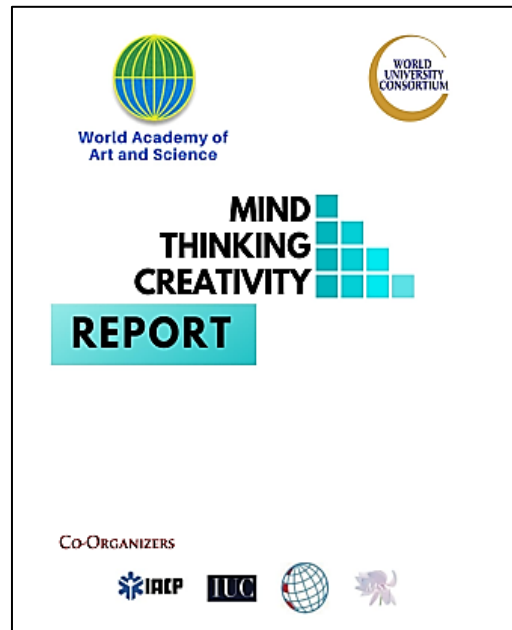
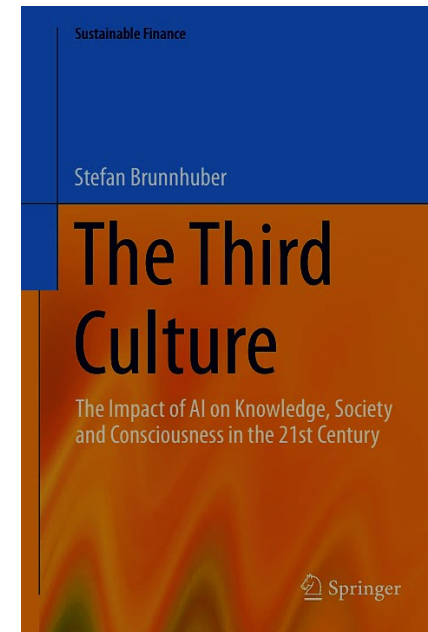
AI in Higher Education: Need for action plans to radically accelerate changes in higher education to prepare students in all fields with the knowledge and skills required for employment and continuous learning.

AI Learning Systems: Enormous potential for extending access to quality education, while drastically reducing cost by development of personalized, interactive, learning systems.



POTENTIAL ROLE OF AI TO ENHANCE LEARNING & ELEVATE HUMAN CONSCIOUSNESS

- 1. Cognitive Biases:** Much attention is given to rooting out inbuilt cognitive biases in AI. But AI can also help human beings identify and remove their biases.
- 2. Transcending disciplinary boundaries:** AI can help liberate the human mind that the conceptual boundaries and disciplinary silos that fragment human thinking.
- 3. Integrated Thinking:** AI presents an opportunity for human beings to develop higher forms of integrated thinking & intuitive cognition beyond the power of AI.



Global Citizenship Participation



Mission

To provide a global mass impact platform for the world's citizens to participate and collaborate to make a positive impact on the world by combining collaborative technologies, social media, polling and a transaction and value creation engine on a global AI integrated platform enabling the emergence of collective global social consciousness reflecting the collective voice of humanity and empowering the global public to express and action their aspirations and ideas for fundamental global systemic change.

Initiative Features

Impacts

Personal Presence and Impact Initiative Log

Enables individual and organizational identity to be established, vision to be explored and ideas and initiatives to be logged

From 2 million users in year 2, to 4 billion in 2035

Relationship Communication and Network Builder

Social media and relationship network mapping facility to expand reach and potential for collaboration and impact

(Per 1 million users, the network effect norm on social media is 300m-700m contacts, and 20-50m comments per month on doing good, PEW reserach)

100-250x multiplier network effect for doing good, (30% of social media norm)

Collaboration Facilitation

Identify complementary initiatives, facilitate dialogue, exchange and collaboration for joint outcomes across borders

200k collaborations (year 2); 400m (year 2035) =10% of users

Global Voices Polling

Allow participants and organisers to identify areas of interest and if sufficient thresholds of interest are passed, to vote, with reporting

10% voting on provided issues, 35% on issues on initiated by voters

Personal and Collective SDG Impact Reporting

To report to individuals on the impact they are making against the SDGs and to aggregate impact across the platform

2m rising to 4 billion reports (2035), 1 aggregate impact report

Transacting Impact

To be credited for making an impact, to be listed for it, to seek funding for it, and to be able to auction that impact to others

US\$30m (year 2) rising to US\$8 billion (2035) for individuals

.. using AI to report impact, facilitate access to vetted sources and to connecting people and ideas

Global Citizenship Participation

Case Study: *From Presence to Value from Impact*

Proposition: Fill the Gap - There is nowhere to go to be enabled, empowered and valued for doing good in the world



Development path

1.0

Presence

2.0

Networked

3.0

Collaborator

4.0

Global Voice

5.0

Impact

6.0

Value

 **facebook**

Users

2.9 bn

Mission

“to give people the **power to share** and make the world more open and connected”

 **YouTube**

2.2 bn

“Our mission is to give everyone a voice and **show** them the world”

 **WhatsApp**

2.0 bn

“to connect the world privately by designing a product that's simple and **private**”

 **Instagram**

1.4 bn

“to capture and share the world's **moments**”

 **twitter**

0.4 bn

“to give everyone the power to create and share ... **instantly**, without barriers.”

Much of the World’s Popular Social Media is ‘Angry by Design’

Luke Munn, ‘Angry by design: toxic communication and technical architectures’, Nature, July 2020