

## **Science for Humanity - Global Society**

In today's rapidly evolving world, science, technology, and innovation are essential to fostering peaceful, equitable, and sustainable development. To achieve this, it is crucial to embrace a global, transdisciplinary perspective that values and integrates diverse voices, knowledge systems, and paradigms from all regions and disciplines. Historically, the global discourse in these fields has often been dominated by perspectives rooted in the Global North. However, the accelerating pace of scientific research has not only widened the knowledge gap between regions but has also underscored the importance of incorporating diverse perspectives from around the world and highlights the need for an inclusive approach that reflects the rich tapestry of global experiences, ensuring that the collective wisdom of all communities contributes definitely to our shared understanding and shift towards a more sustainable and equal future for all.

The emergence of the Science for Humanity - Global Society (SHGS) marks a significant shift towards this inclusive vision. The Society is dedicated to fostering a truly collaborative global environment where the insights, perspectives, and needs of all regions, cultures, and communities are not only acknowledged but actively shape the future of science. This approach underscores the moral imagination and responsibility of scientists and change-makers worldwide, promoting science diplomacy that is responsive to and reflective of the diverse needs of our interconnected world.

SHGS denies the outdated notion of a North-South duality. Instead, it embraces the vision of one interconnected planet, where global perspectives are enriched by flourishing all local and indigenous communities. The Society recognizes that there is no single path to sustainable development; rather, a diversity of approaches must be respected and integrated. The mission of SHGS is to bridge existing gaps by fostering a collaborative environment where knowledge flows freely across disciplines, societal boundaries, and regions—truly reflecting the rich diversity of our world.

Founded on the belief that science should serve the collective well-being of humanity, the Science for Humanity - Global Society (SHGS) is dedicated to raising the impact of science in society by many ways including enhancing the skills and knowledge of scientists where SHGS aims to equip them with the tools needed to address global challenges effectively, so, SHGS emphasizes the importance of educating scientists in soft skills, transdisciplinary thinking, impact-driven approaches, and future-oriented thinking. Also, SHGS will help build effective global multidisciplinary networking by connecting scientists with other change-makers and stakeholders. SHGS fosters a global mindset shift that amplifies the role of science by integrating inclusive science diplomacy, narrative literacy, and innovative approaches. This shift ensures that the voices of all communities are heard and valued, empowering individuals, communities, and nations to leverage science for the common good in globally informed and locally grounded ways.

### **Aims of Science for Humanity - Global Society (SHGS)**

1. Increasing the Impact of Science on Development: SHGS is committed to amplifying the role of science in societal and human development. By promoting the application of scientific research to real-world challenges, SHGS seeks to ensure that scientific advancements translate into tangible benefits for communities worldwide.

2. Redefining the Global Perspective: SHGS seeks to redefine what it means to have a global perspective by shifting the focus from traditional power centers to a more balanced and

inclusive approach. This involves integrating insights from all regions of the world, particularly those historically underrepresented, and emphasizing the moral responsibility of scientists and change-makers to address the needs and aspirations of diverse communities.

3. Embracing Diversity in Approaches: SHGS recognizes that sustainable development cannot be achieved through a one-size-fits-all approach. The organization will promote the idea that multiple paths to sustainability must be respected and supported. By valuing and integrating diverse methodologies and cultural perspectives, SHGS aims to create a more equitable and inclusive framework for global progress.

4. SHGS is committed to executing and running inclusive multicultural and multidisciplinary programs to empower women, youth, and underrepresented and marginalized communities worldwide.

5. Bridging the Science and Technology Gap: Addressing the disparities between the Global North and South is a key priority for SHGS. The organization will work to reduce the knowledge and technology divide by fostering collaborations, knowledge exchange, and capacity-building initiatives that empower all regions to participate in and benefit from scientific progress.

6. Promoting International Scientific Relations: SHGS aims to facilitate and enhance international scientific collaborations. By fostering dialogue and partnerships among scientists from different regions and disciplines, the organization will contribute to the creation of a global scientific community that is inclusive, cooperative, and focused on shared goals.

7. Supporting Sustainable Development Goals (SDGs): SHGS is dedicated to advancing the United Nations Sustainable Development Goals through science-based solutions. The organization will promote research and initiatives that align with the SDGs, ensuring that scientific progress contributes directly to sustainable and equitable development.

8. Building Capacity in Youth and Scientists: Investing in the next generation of scientists and innovators is crucial for sustainable development. SHGS will provide capacity-building programs including training, and mentoring, and to enhance the skills of young scientists and researchers, preparing them to address the complex challenges of the future.

9. Encouraging Scientific Entrepreneurship: SHGS recognizes the importance of entrepreneurial spirit in driving innovation. The organization will support scientists and others interested in science-based ventures, providing the resources and networks needed to turn innovative ideas into impactful solutions.

10. Promoting Science Education and Communication: SHGS is committed to enhancing science education and communication. By developing programs that make scientific knowledge accessible and engaging, the organization aims to foster a deeper understanding of science among the general public and encourage informed participation in scientific discourse.

11. Participating in International Projects and Initiatives: SHGS will actively engage in international projects, exhibitions, and startup initiatives. By participating in global collaborations, the organization will contribute to the development of innovative solutions to global challenges and foster a spirit of cooperation and mutual learning.

12. Enhancing the role of Science Diplomacy: SHGS believes that science can play a pivotal role in international relations. The organization will promote science diplomacy, using scientific collaboration as a tool to build bridges between nations, resolve conflicts, and address global issues collectively.

13. Advancing Narrative Literacy: In an era of information overload, narrative literacy is essential for understanding and communicating complex scientific ideas. SHGS will work to enhance narrative literacy, helping individuals and communities craft and interpret scientific narratives that resonate with diverse audiences.

14. Fostering Futures Literacy: SHGS aims to equip people with the tools to think critically about the future. By promoting futures literacy, the organization will help communities anticipate, envision, and plan for a range of possible futures, enabling them to navigate uncertainty and make informed decisions.

15. Promoting Transdisciplinary and Interdisciplinary Approaches: The challenges of the 21st century require solutions that cross traditional disciplinary boundaries. SHGS will advocate for and facilitate transdisciplinary and interdisciplinary research and collaboration, bringing together diverse perspectives to tackle complex global problems.

16. Going Beyond the SDGs: While the SDGs provide a critical framework for sustainable development, SHGS recognizes the need to think beyond these goals. The organization will encourage innovative approaches that not only achieve the SDGs but also push the boundaries of what is possible in creating a more just, sustainable, and humane world.

## **SHGS strategy**

To achieve these aims, SHGS will undertake the following strategic initiatives:

1. Fostering Equality and Collaboration Among Genders and Generations: SHGS will champion equality and inclusivity by actively promoting gender equity and intergenerational collaboration in science and innovation. This initiative aims to ensure that diverse perspectives are included in decision-making processes and that all voices are valued in the scientific community.

2. Embracing the Multiplicity of Voices: SHGS will actively seek to include a wide range of voices in its initiatives, ensuring that marginalized and underrepresented groups are heard. By embracing diversity in all forms—cultural, disciplinary, regional, and generational—the organization will foster a richer, more inclusive dialogue that drives innovation and social progress.

3. Enhancing the Importance of Narratives: Recognizing the power of stories in shaping perceptions and driving change, SHGS will prioritize the development of compelling

narratives that communicate the value of science in addressing global challenges. Through narrative literacy initiatives, the organization will equip individuals with the skills to tell impactful stories that resonate across different audiences and cultures.

4. Focusing on Holistic Sustainable Development: SHGS will approach sustainable development holistically, addressing the interconnections between climate, economic, and societal factors. The organization will advocate for solutions that are environmentally sustainable, economically viable, and socially equitable, ensuring that all dimensions of development are considered in the pursuit of global well-being.

5. Global Knowledge Exchange Network: Establish a platform that connects scientists, educators, policymakers, and the public across regions and disciplines, fostering a global dialogue on scientific innovation and its role in sustainable development.

6. Capacity-Building Programs: Develop and deliver training programs that enhance the skills of young scientists, researchers, and entrepreneurs, with a focus on regions and communities that are underrepresented in global scientific discourse.

7. Public Engagement and Science Communication: Launch initiatives to improve science literacy and communication, including public lectures, workshops, and digital content that make scientific knowledge accessible and engaging to a broad audience.

8. International Collaborations and Partnerships: Forge partnerships with academic institutions, research organizations, governments, and NGOs to participate in and support international scientific projects that address global challenges.

9. Science Diplomacy and Global Governance: Advocate for the integration of science in diplomatic and governance processes, promoting the use of scientific evidence and collaboration in international policymaking.

10. Innovation and Entrepreneurship Support: Provide resources, mentorship, and funding opportunities for scientists and entrepreneurs who are developing innovative solutions to global challenges.

### **Action plan**

The Science for Humanity - Global Society is committed to harnessing the power of science for the betterment of humanity and the planet. Through its strategic initiatives and global partnerships, SHGS will work to bridge knowledge gaps, promote sustainable development, and foster a culture of innovation and collaboration. By empowering individuals and communities to engage with science in meaningful ways, SHGS aims to create a future where scientific progress leads to a more just, equitable, and sustainable world for all.

**These are some of the programs that may be run by the Science for Humanity-global society (SHGS)-but not on an exclusive basis:**

#### **1. Women in Science Without Borders (WISWB) Global Initiative:**

A global initiative founded by prof Amal Amin in 2017 (link) aims with its regular activities as world forum for women in science (WFWIS) to promote gender equity in science through global collaboration and support networks sharing in building gender inclusive future science-based communities for the sake of humanities and by contribution of all stakeholders including scientists.

## **2. World Forum for Women in Science (WFWIS)**

WFWIS is the annual conference and networking event for WISWB.

## **3. Science Diplomacy for the Future International Initiative**

A global initiative founded by prof Amal Amin to help facilitate dialogues and collaborations between scientists, policymakers, and stakeholders to address global challenges.

## **4. Other programs related to Africa and global development which were founded and cofounded by Prof Amal Amin such as:**

- Northern African Association for Science, Technology, and Innovation Management (NARIMA): Providing capacity-building programs including training and initiatives focusing on innovation management in Northern Africa.
- Science is what Africa needs forum
- Youth science forum
- Webinars and Online Activities (e.g., Saturday Science Webinars and **science for the future**) and regular online seminars and discussions on current scientific topics and global challenges.
- Mentoring Programs (e.g., Inspire Me) for young scientists and researchers to foster professional growth.

**5. Cooperation** with National, Regional, and International Organizations, Industry, Universities, Research Institutes, and other Stakeholders for Scientific-Based Activities establishing partnerships to support collaborative research and innovation projects.

**6. Science Communication and Science Diplomacy Programs:** Developing initiatives to improve public understanding of science and enhance science's role in diplomacy.

**7. Science Diplomacy Initiatives:** Engaging in initiatives that use science as a tool to build international relations and solve global problems.

**8. Conferences (Online and Offline),** webinars, seminars and mentoring programs Organizing both virtual, in-person conferences and events in addition of webinars and seminars to discuss key issues in science and sustainability. Also, mentoring programs will be provided.

**9. Networking Events.** Facilitating events to connect scientists, policymakers, industry leaders, and educators for collaborative opportunities.

10. **Educational Events and Courses.** Providing educational programs, workshops, and courses to enhance knowledge and skills in various scientific fields.
11. **Visits of Conferences and Presentations.** Supporting participation in global conferences and encouraging the presentation of research findings.
12. **Research Papers and Collaborative Policy Papers.** Producing and publishing research papers and policy briefs that address global challenges and propose solutions.
13. **SDG's Related Initiatives.** Developing and supporting projects that contribute to the United Nations Sustainable Development Goals (SDGs).
14. **Futures Narratives and Futures Literacy Initiatives.** Promoting futures thinking and literacy through storytelling and strategic foresight activities.
15. **Initiatives in Support of the Exchange of Knowledge at All Levels.** Facilitating knowledge exchange between different regions, disciplines, and generations.
16. **Podcasts, Articles, and Videos.** Creating multimedia content to share scientific knowledge, insights, and discussions with a global audience.
17. **Other Initiatives.** Engaging in various other projects and activities that align with the mission and goals of the Science for Humanity Society.

This list covers a broad range of activities designed to support the Society's mission of fostering global collaboration in science for sustainable development and the collective well-being of humanity.

### **Background behind the organization**

Science for Humanity Foundation series is an idea suggested and founded by Prof Amal Amin from Egypt in the global south where Science for Humanity-Egypt is under foundation. In this context, *Science for Humanity - Global Society (SHGS) is an Italian NGO founded by Prof. Amal Amin (**Chair**) and Nerina Finetto (**Secretary General**) and Traces&Dreams CEO, established as a non-partisan, non-religious entity under the legal framework of the Third Sector, SHGS is headquartered in Molveno, Italy. The organization is dedicated to fostering global collaboration in science for sustainable development, promoting inclusivity, and advancing the welfare of humanity. As an association, SHGS will officially include "ente del terzo settore" in its title upon registration with the National Register of the Third Sector, enabling it to fully operate within the legal and public domains.*

#### **1. Chair of the Organization:**

Prof. Amal Amin will serve as the founding Chair of the Science for Humanity - Global Society (SHGS). The Chair is responsible for the academic aspects of the organization, ensuring that all activities and initiatives maintain the highest standards of academic excellence. Prof. Amin will

oversee the strategic direction of SHGS, particularly from an academic perspective, and will co-represent the organization alongside the Secretary-General in external relations. Her role is crucial in maintaining the academic integrity and quality of SHGS's programs and initiatives.

## 2. Secretary General:

Nerina Finetto, CEO of Traces&Dreams AB, will assume the role of the founding Secretary General and legal representative of the association. The Secretary General will take on the function of the managing director and is co-responsible with the Chair for defining the activities and developing and curating the content of SHGS. She will manage the day-to-day operations of the organization, ensuring effective communication and coordination across all stakeholders. She will also co-represent SHGS externally, working closely with the chair to foster partnerships, expand the organization's global reach, and ensure that SHGS's initiatives align with its mission and goals.

## 3. Advisory Board:

An Advisory Board, consisting of distinguished individuals from various fields, will be established to provide strategic guidance and expertise to SHGS. This board will play a crucial role in advising the Chair and the Secretary-General on critical issues, ensuring that the organization remains aligned with its mission and adapts to global challenges.

Rome, November 2025.

Prof. Amal Amin  
Dott. Nerina Finetto