



UNITED NATIONS EXPERT MEETING ON ‘SPACE FOR WOMEN’

4th – 6th October 2017
New York, USA

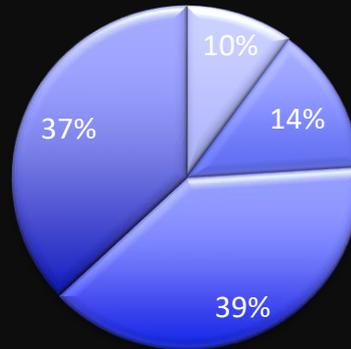
Namira Salim
Founder & Executive Chairperson
Space Trust



A New Space Age

Commercialization or Democratization of Space Opens the Final Frontier to All Sectors

2016
Global Space Economy



\$329 Billion
Total Annual Revenue

■ Non US Govt Space Budgets
 ■ US Govt Space Budgets
 ■ Comm. Space P + S
 ■ Comm. Infrastructure & Industry
Space Report 2016 - Space Foundation



Encouraging Public-Private Partnerships



Triggering a New Space Economy



Complex Space Environment

From the Edge of Space to Low Earth Orbit, to the Moon, Mars & Beyond



SPACE DIPLOMACY & MAKING “SPACE FOR WOMEN” LEADERS

- Our NewSpace Age or “Democratisation of Space” provides low-cost access to space and makes space "Inclusive for All."
- Spacefaring & New Space Nations expanding cooperation in Low Earth Orbit, to asteroids, the Moon, Mars & beyond via human & robotic missions
- Deep Space Habitats & colonies on Mars will Evolve Humans into Inter-Planetary Ambassadors
- As the final frontier opens to all sectors, why not open space to world leaders and above all, women in global leadership roles to find innovative solutions for a peaceful world?
- Raise awareness for Space Diplomacy on the institutional level
- Advocate & encourage Women Leaders in Political Sectors & Female Heads of State to exercise space diplomacy in an increasingly complex space environment

Today, the Survival of mankind depends on International Cooperation & Peaceful Uses of Outer Space for all Humanity

The ISS has become the Most Fitting Example of

International Cooperation & Peace Making in Orbit
 Advancing the Human Spirit & Human Condition

Peaceful Uses of Space Science & Technology on Earth
 Making Space a Scio-Economic Driver for all Humanity



**Future Human Habitats & Commercial Space Stations in Orbit Make Potential
 Launching Pads for Convenings in Orbit & thus the
 Advent of Peace Making & Space Diplomacy in Orbit**

SPACE GENERATION WOMEN LEADERS

Let’s draw inspiration from Space Generation Women Leaders

- **Valentina Tereshkova** - First Woman in Space, member of the State Duma, the lower house of the Russian legislature exercises the soft power of Diplomacy as an iconic space woman leader
- **Sally Ride** - First American Women in Space
- **Mae Jemison** - First African American - Woman of Colour in Space
- **Peggy Whitson** - First Female Commander of the International Space Station
- **Kathy Sullivan** - First American Woman to perform extra-vehicular activity (EVA) by an American woman during Space Shuttle Challenger mission STS-41-G on October 11, 1984.

Astronauts Politicians to advocate Space Diplomacy & for utilizing space as a Tool for sustainable peacemaking on Earth

DIPLOMACY & PAKISTANI WOMEN LEADERS

I come from a country which boasts iconic examples of empowered women leaders

- **Benazir Bhutto** - First Woman Prime Minister to head a democratic government in a Muslim nation
- **Fahmida Miza** - 18th and First Woman Speaker of Parliament in the Muslim World
- **Hina Rabanni Khar** - the First Woman Foreign Minister of Pakistan & youngest person to have held the position at age 33
- **Dr. Zainab Abdullah** - my own maternal grand mother who played an active role as a doctor and social worker after the independence of Pakistan in 1947 and who was awarded Queen Elizabeth the II's Coronation Medal in 1953, for her dedicated to Pakistan's early development

Despite being a nation of empowered women, there are many social evils that deprives girls & women of equal opportunities & subjects them to discrimination, violence and harmful practices

MAKING “SPACE FOR GIRLS” IN DEVELOPING COUNTRIES

- I have a different story to tell
- Let’s venture into the Dream World of a little girl from Pakistan
- Space made her DNA & she dreamt of becoming an Astronaut
- In the 1970s STEM didn’t exist & Science was not an option
- A born artist inspired by the stars
- Who lit her nights with stars to reach her dreams
- Until Commercialization of Space Opened the Final Frontier
- Today she is the First Pakistani & First South Asian to go to Space aboard Sir Richard Branson’s Virgin Galactic

**Therefore, I strongly recommend adding the ‘A’ in STEM to
Emphasize the Importance of STEAM
For Girls & Women world wide, especially in developing countries**



SUSTAIBALE DEVELOPMENT GOALS

The 17 Sustainable Development Goals are to change the course of the 21st century

On behalf of all girls from Pakistan, South Asia and the rest of the world, I whole heartedly support SDG Goal 5 to achieve Gender Equality & Empower All Women and Girls

- Adopt & strengthen sound politics & enforceable legislation for the promotion of gender equality and empowerment of all women and girls at all levels
- Ensure Women’s full and effective participation and equal opportunities for leadership at all levels of decision making in political, economic & public life
- Enhance the use of enabling technology, in particularly science & space technology to promote the empowerment of women
- End all forms of discrimination against women and girls everywhere
- Eliminate all forms of violence against women and girls
- Eliminate all harmful practices such as child, early and forced marriage and female genital mutation



OG SUMMIT 2030 TOWARD SPACE 2030

OG Summit is the lead initiative of Space Trust which contributes to Unispace+50 Process under the Space Diplomacy Pillar to spearhead Innovative space diplomacy towards space 2030

3 Former Heads of State
State Level Endorsements

A Prominent NASA Astronaut
Three Cosmonauts at the ISS

OG Summit is being

- Observed by UNOOSA
- Launched on the side-lines of the UN General Assembly on September 18th & Capitol Hill on May 25, 2017
- Presented at the HLF “Space as a Driver for Socio-Economic Sustainable Development” towards UNISPACE+50 2018
- Presented to the 54th Session of the Scientific & Technical Sub-Committee of COPUOS
- Presented at FAA’s COMSTAC Meeting during the Space Policy Working Group
- Recommended as a New Item on the Space Governance Agenda towards Space2030
- Received Favourably by Leaders & Visionaries from the Space Industry
- Implemented by a sophisticated team of Consultants & Futurists



OG Summit Capitol Hill

Keynote

Ms. Simonetta Di Pippo

Director United Nations Office for Outer Space Affairs



OG Summit Capitol Hill

Keynote

Congressman Jim Bridenstine

Nominee for NASA Administrator by President Trump



Space Diplomacy & Making "Space for Women" Leaders



OG SUMMIT

SPACE DIPLOMACY IN THE AGE OF NEWSPACE

2017 CONCORDIA ANNUAL SUMMIT





Space Diplomacy & Making "Space for Women" Leaders



OG SUMMIT

SPACE DIPLOMACY IN THE AGE OF NEWSPACE
2017 CONCORDIA ANNUAL SUMMIT





0G Summit

On the Sidelines of 72nd Session of the UNGA

Opening Address

H.E. Laura Chinchilla

Former President of Costa Rica



OG Summit

On the Sidelines of the 72nd Session of the UNGA

Special Address

H.E. Luis Alberto Lacalle Herrera
Former President of Uruguay



Space Trust Inaugural Video Message Exclusively Delivered by
Russian Cosmonauts at the International Space Station.
29th November 2015



OG SPACE DIPLOMACY CUBE SATELLITE MISSION 2020

- OG Diplomacy CUBE Satellite Mission 2020
- First OG Peace Mission to space
- To Broadcast universal messages of peace in the voices of world leaders & peace makers
- UNOOSA member countries are invited to participate in this mission by mobilizing endorsements from their leaders



RECOMMENDATIONS FOR THE GLOBAL POLITICAL AGENDA

- Incorporate the inclusion of women in the political decision making process at the governance, diplomacy and policy-making levels for achieving SDG 5, more specifically, gender equality and empowerment of women in the broader Space exploration and Space Diplomacy fields—for both scientific and commercial missions, and for civilian and peaceful military purposes.
- Implement a top-down approach at the national policy-making level to provide a framework for the inclusion of women and girls at all levels to ensure early access to STEM and STEAM education.
- Include the "A" in STEM with a clear understanding that "A" for "Art" in the context of space does not necessarily imply the word "Art" in the conventional sense of "Visual Arts." In fact, creative disciplines like Augmented Reality, Virtual Reality, 3D Printing and sophisticated softwares used during design processes are indispensable towards the creation of large and small space missions, alike. Therefore, "A" for "Art" must be introduced in a creative technological context for the purpose of evolving "STEM" into "STEAM."
- Develop National Councils for "Space for Women" to facilitate timely inclusion of women at the governance level for decision making roles in space diplomacy and space policy.

RECOMMENDATIONS FOR THE GLOBAL POLITICAL AGENDA

- Appoint "Space for Women Ambassadors" at the National level, as role models to raise awareness, advocate for and inspire through their personal stories—particularly, in developing countries. Additionally, if necessary, appoint "Space for Women Regional Ambassadors" under a "Space For Women Global Ambassador (Valentina Tereshkova, as recommended during the High-Level Panel)."
- Introduce Gender Equality in the Space Sector and access to STEM & STEAM education as a new item on the agenda of COPUOUS—especially, for girls in developing countries.
- Develop public campaigns in cooperation with space advocacy organizations to raise awareness of and promote the NewSpace Age (privatization of space), and the all-inclusive/low-cost access to space it provides for all, to empower women and girls in developing countries where cultural barriers still mar gender equality and inclusion of women in the most basic professional fields—let alone space science, exploration and innovation.
- Combat discrimination and gender bias via policies and concrete laws in favour of Gender Equality for women and girls—particularly, in developing countries.

RECOMMENDATIONS FOR THE GLOBAL POLITICAL AGENDA

- Build partnerships and forge new ones to strengthen international cooperation in space activities to promote and deliver targeted efforts towards the implementation of STEM and STEAM education—especially, for girls in developing countries.
- Establish an Inter-Governmental Panel on "Space for Women" to build collective cooperation and mobilise international/regional/national task forces, national space agencies, space advocacy organizations and policy institutes/think tanks.
- UNOOSA member states/observer organizations, space agencies, ISS partners, Astronauts and civil society to raise awareness for, advocate and implement “Space for Women” and “Women for Space” to achieve women 50/50 by 2030—especially, in developing countries.
- Update and ratify legal space instruments and international treaties, such as the 1967 Outer Space Treaty in favour of "Space for Women" and "Women for Space" to support SDG 5 towards Space2030.
- Facilitate “All Inclusive” national capacity building & training centers for access to and use of space technologies—especially, in developing countries.



RECOMMENDATIONS FOR THE GLOBAL POLITICAL AGENDA

Conclusion

Space actors must become the stimulus behind the political will to collectively harness the soft power of "Women for Space" and "Space for Women" to align nations towards innovative Space Diplomacy during the UNISPACE+50 process, to raise awareness for utilising space as a sustainable tool for peacemaking on Earth and to spearhead collaborative avenues of peace-making and international cooperation on Earth, in orbit & beyond, to benefit all nations towards Space2030.



THANK YOU