UNISEC-Global initiative on government policies in support of space education

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- **UNISEC-Japan** established in 2002.
  - Promote *practical space projects* such as micro/nano satellites and hybrid rockets at university level in Japan.

- **UNISEC-Global** was established in 2013.
  - International nonprofit, non-governmental organization.
  - Consisting of local-chapters around the globe.
  - Building on the activities of UNISEC-Japan.

- **Permanent observer** of UNCOPUOS since 2017.
Vision

To enhance our world for all humankind through the creation of thriving networks, engaging programs, accessible assets, and fundamental capabilities such that anyone around the globe can utilize space science and technology.

Mission

UNISEC-Global will create an environment that will promote the free exchange of ideas, information, and capabilities relating to space engineering and its applications, especially for young people, including those in developing countries and emerging economies.
## Activities

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<tr>
<th>Year/Activity</th>
<th>CLTP</th>
<th>DMC/DDC</th>
<th>MIC</th>
<th>Nano-satellite Symposium</th>
<th>UNISEC-Global Meeting</th>
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<td>6&lt;sup&gt;th&lt;/sup&gt; (ISTS30)</td>
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Why this project?

- Space technologies and applications are closely integrated in our society
- Some knowledge of space is critical for the general population
- More and more space experts will be needed in a wide range of fields

=> Need to further advanced space education worldwide
Numerous forms of space education

- Initiation to space activities (for primary/middle/high schools)
- Introduction to basic guidance, autonomous embedded systems (e.g. CanSat)
- Hands-on learning on space systems replica (e.g. HEPTA-Sat)
- Development of actual space systems (e.g. CubeSat and higher)
- Capacity building in space technology development and utilization
- Capacity building in space law, policy and strategy
- Etc.
Vision

Promoting virtuous governmental policies in support to space education

Research goals

(1) Collecting and analysing existing policies worldwide and acknowledging best practices

(2) Devising and proposing innovative policies in support to space education

Main outcome

Annual report published by UNISEC-Global and partners
Targets of the project (1/2)

Governments with an established space program

(1) Opportunity to compile and review existing space education policies

(2) Benchmark against the policies of other nations

(3) Implementing or experimenting some of our policy recommendations

Governments of emerging space countries

Access to a list of best practices on which to build a sustainable space program
Targets of the project (2/2)

People or institutions benefitting from space education policies

(1) Raised awareness of programs/opportunities
(2) Higher quality/frequency education programs
(3) Increase in volume/efficiency of funding
(4) Research opportunities domestic/international

Private entities involved in capacity building

Support towards innovation/commercialisation of private space education solutions
Call for partners

Data providers

**Type:** government, industry, academia or non-profit organisations

**Roles:** provide data and information on existing policies and their implementation

Research partners

**Type:** Academia, think-tanks or non-profit organisations

**Roles:** develop the methodology, analyse the data and publish the annual report with UNISEC-Global
2021: pilot study

Primary goals

- Gather research partners
- Develop a clear and transparent methodology
- Draft and issue a charter of good research practices
- Issue a report with a limited number of countries

First announcements

27th Asia-Pacific Regional Space Agency Forum

Online, 30 November – 3 December 2021
Our only objective

Promoting space education by collecting, acknowledging and widely sharing best practices
Thank you!

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