

“Belt and Road” Aerospace Innovation Alliance (BRAIA)

-Work Review Report

Permanent Secretariat of BRAIA
Northwestern Polytechnical University
2019.9



Friday, September 20, 2019

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About BRAIA



Co-initiated by Northwestern Polytechnical University (NPU) and Chinese Society of Astronautics (CSA).

Established on April 23, 2017.

International organization, composed of universities, research institutes, enterprises and academic organizations.



Create a platform for international exchange and cooperation in the **aerospace field**.

Promote a profound cooperation among the members in **scientific research, talents cultivation, etc.**

Jointly push forward the advancement of the aerospace science, technology and applications **better serve humankind**.

About BRAIA



63 BRAIA member units

from **21** countries

Algeria, America, Argentina, Australia, Bangladesh, Belgium, China, Egypt, France, Italy, Malaysia, Mexico, Nepal, Nigeria, Pakistan, Poland, Russia, Spain, Tunisia, Ukraine and United Kingdom

15 standing council members elected

incl.
9 Chinese standing council members

Chinese Society of Astronautics; Northwestern Polytechnical University; Beihang University; Harbin Institute of Technology; Tsinghua University; Zhejiang University; Nanjing University of Aeronautics and Astronautics; Nanjing University of Science and Technology; Land Space Technology Corporation

6 non-Chinese standing council members

Military Technical College, Egypt; Moscow Aviation Institute, Russia; Universidad Politécnica de Madrid, Spain; Queen Mary University of London, UK; National University of Sciences and Technology, Pakistan; Politecnico di Milano, Italy

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Development of BRAIA

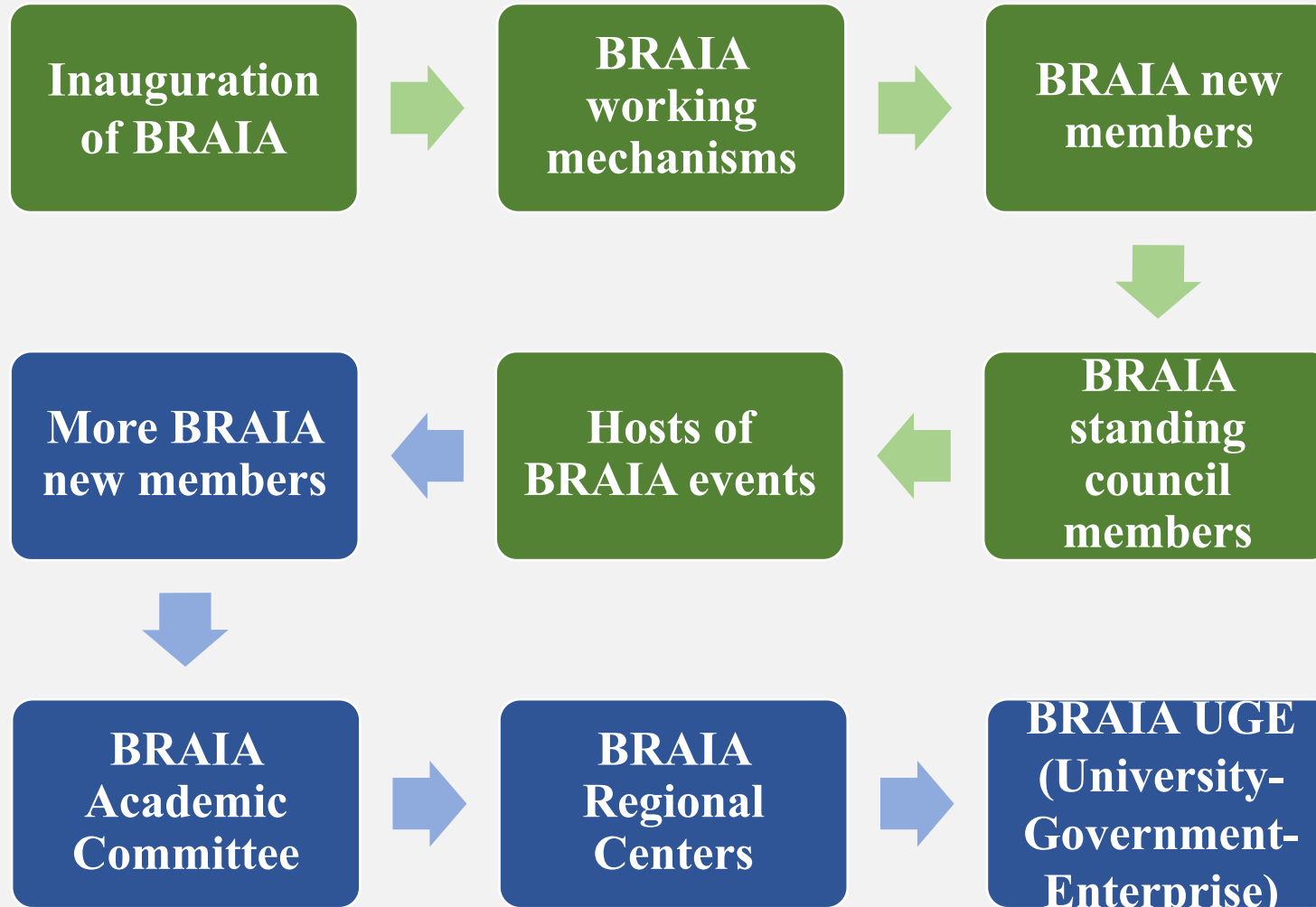
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BRAIA activities

Development of BRAIA



Key Milestones



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BRAIA activities



Total 14 BRAIA events in 28 months

already took place in

5 countries

China, Egypt, Spain, Pakistan, Italy

8 cities

Xi'an, Qingdao, Taicang, Beijing, Cairo, Madrid, Islamabad, Milan

In 3 categories

Academic activities, Student activities, Managerial meetings

More than 1000 participants ...

BRAIA activities



2017.4 Xi' an
Inauguration
Ceremony

2017.7 Xi' an
The 1st Space
Exploration Summer
Camp

2017.10 Qingdao
BRAIA Young Scholar
Workshop

2017.11 Xi' an
The 2nd Composite
Battle World Cup

2018.4 Xi' an
CubeSat and Mission
Contest



2018.11 Xi' an
The 1st China
Microsatellite
Symposium

2018.11 Beijing
The 9th APSCO Symposium

2018.10 Xi' an
1st BRAIA Council
Meeting

2018.7 Qingdao
The 2nd Space
Exploration Summer
Camp

2018.5 TaiCang
BRAIA Working Seminar



2019.1 Cairo
The 1st BRAIA Winter
Camp- Light of Egypt

2019.7 Madrid
The BRAIA Scholars'
Workshop

2019.7 Islamabad
The 3rd Space
Exploration Summer
Camp

2019.9 Milan
The 2nd BRAIA Council
Meeting and General
Assembly

2019.11 Islamabad
The 6th International
Conference on Aerospace
Science & Engineering

BRAIA activities



BRAIA events since its establishment in 2017, have been hosted respectively by Northwestern Polytechnical University, China, Military Technical College (Egypt), Universidad Politécnica de Madrid (Spain), National University of Sciences and Technology (Pakistan), Politecnico di Milano (Italy), and actively participated by more than 80% of members units.

Among all these event, Northwestern Polytechnical University (NPU), as the Permanent Secretariat of BRAIA, has committed to the sustainable development of the alliance. During more than 2 years, NPU has provided financial support and dedicated staffs to work in BRAIA Permanent Secretariat office.

BRAIA activities



BRAIA Academic Activities (1/4)

BRAIA Young Scholars' Workshop (October 29 to 30, 2017, Qingdao, China)



- **Participants:** More than 70 young scholars came from BRAIA's members in Algeria, China, Egypt, Italy, Pakistan, Russia, Ukraine, Spain, etc.
- **Theme:** “Young Generation Creates the Future of Aerospace”

BRAIA activities



BRAIA Academic Activities (2/4)

The 9th Asia-Pacific Space Cooperation Organization (APSCO) International Symposium (November 15 to 16, 2018, Beijing, China)



- **Participants:** More than 100 participants from Bangladesh, Belgium, China, France, Pakistan, Russia, Spain, UK
- **Theme:** Developing Next-Generation Innovative Talents in Aerospace through Space Cooperation

BRAIA activities



BRAIA Academic Activities (3/4)

The 1st China Microsatellite Symposium (November 18 to 20, 2018, Xi'an, China)



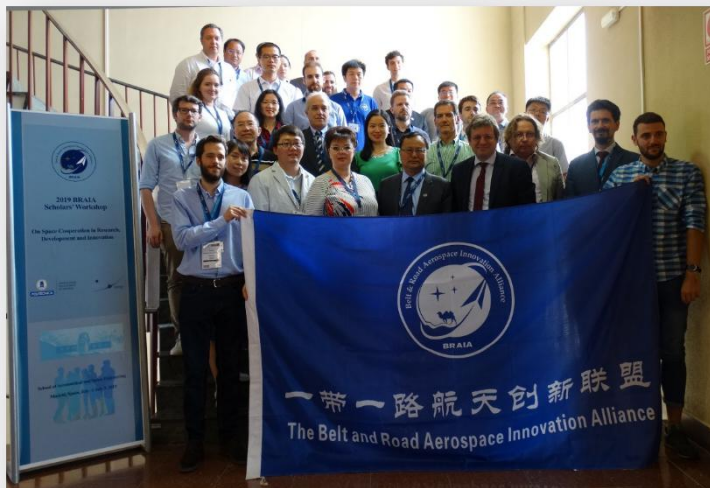
- **Participants:** Nearly 400 experts and scholars from more than 20 countries
- **Theme :** Micro-satellite technology and related applications

BRAIA activities



BRAIA Academic Activities (4/4)

2019 BRAIA Scholars' Workshop (July 1 to 3, 2019, Madrid, Spain)



- **Participants:** More than 60 experts and scholars from 8 countries
- **Theme:** Space Cooperation in Research, Development and Innovation

BRAIA activities



BRAIA Student Activities (1/6)

The 1st BRAIA Space Exploration Summer Camp (July 10 to 16, 2017, Xi'an, China)



- **Participants:** Over 60 students from Algeria, Australia, Belgium, China, Egypt, Russia, Spain and other countries
- **Theme:** Space science and technology, trainings and contests about small rocket design, cultural experience, etc.

BRAIA activities



BRAIA Student Activities (2/6)

The 2nd BRAIA Space Exploration Summer Camp (July 15 to 21, 2018, Qingdao, China)



- **Participants:** nearly 60 participants from 15 countries including Australia, Brazil, China, Egypt, Russia, Spain, etc.
- **Theme:** aerospace knowledge and shared the history, culture, technology, nature, sports of their own countries

BRAIA activities



BRAIA Student Activities (3/6)

The 3rd BRAIA Space Exploration Summer Camp (July 15 to 23, 2019, Islamabad, Pakistan)



- **Host:** National University of Sciences and Technology (NUST), Pakistan
- **Participants:** More than 80 teachers and students from 15 universities in UK, Austria, Turkey, Malaysia, Pakistan and China
- **Theme:** High Performance Computing (HPC) in Aeronautics

BRAIA activities



BRAIA Student Activities (4/6)

The BRAIA 2019 Winter Camp - Light of Egypt (January 21 to 31, 2019, Cairo, Egypt)



- **Host:** Military Technical College (MTC), Egypt
- **Participants:** Nearly 100 students and teachers from 15 universities of 5 countries
- **Theme:** Aerospace science and technology, space industry

BRAIA activities



BRAIA Student Activities (5/6)

The 2nd Composite Battle World Cup (November 21 to 24, 2017, Xi'an, China)



- **Host:** The Belt and Road Aerospace Innovation Alliance (BRAIA) and Association of Sino-Russian Technical Universities (ASRTU)
- **Participants:** 16 teams with more than 150 students, teachers and experts from 6 countries

BRAIA activities



BRAIA Student Activities (6/6)

2018 The 1st CubeSat and Mission Contest (China and International Session) (March 1 to Nov 23, 2018, Xi'an, China)



- **Host:** International Astronautical Federation (IAF), Chinese Society of Astronautics (CSA) and Chinese Institute of Command and Control (CICC)
- **Participants:** teams from 10 countries, including Australia, Bangladesh, China, Germany, Greece, Indonesia, Israel, Malaysia, South Africa and Sweden

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الأربعاء، 23 يناير 2019 09:03 ص



عرض عسکری

في اجتماعه الأخير، قدّم المجلس تقريراً عن أعماله خلال السنة الماضية، وناقش بعض القضايا التي تهمّش على الساحة السياسية، وبحث في القضايا التي تهمّش على الساحة السياسية، وبحث في القضايا التي تهمّش على الساحة السياسية.

مشاركة 15 مؤسسة علمية من خمس دول
«الفنية العسكرية» تنظم المعسكر الدولي
لـ «الحزام والطريق» لابتكارات الطيران



جانب من المعسكر الشتوي الدولي لتحالف الحزام والطريق

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مه الأول.. ووزارة الثقافة تقدم تخفيضات كبيرة

نٹ میں 10 روزہ بی آر اے آئی اے سمرکیمپ کا آغاز

55 میں الاتوا فی شکی کی آمد۔ بانی پر فارمنس کہہ دینگ ان از دنیا کس پر توجہ مرکوز

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«الفنية العسكرية» تنظم المعسكر الدولي لابتكارات الطيران والفضاء

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الوفد الوزاري يبحث التعاون

عبدالعاطی:

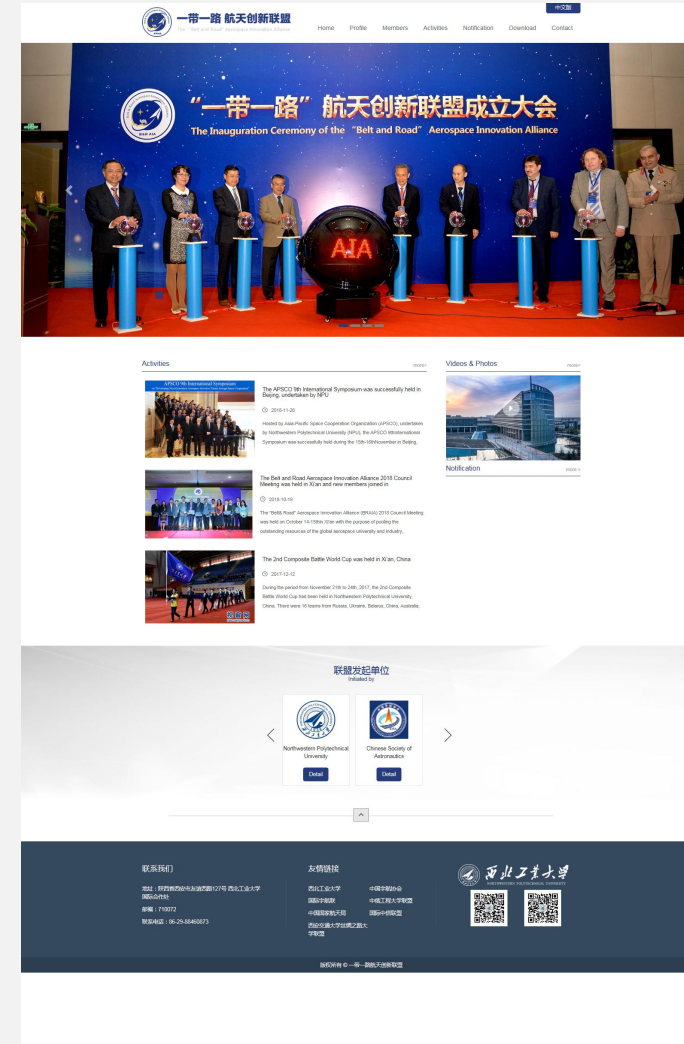
BRAIA promotion



Wechat QR



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THANK YOU

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