



——上海交通大学新加坡研究生院——  
SJTU ASIA-PACIFIC GRADUATE INSTITUTE

# SJTU Asia-Pacific Graduate Institute Annual Report 2020







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# 2020 Highlights



## MESSAGE FROM THE DEAN

2020 marked the first year of operations for SJTU Asia-Pacific Graduate Institute after our much-anticipated incorporation and official opening in 2019. With the guidance and motivation of the school's forward-thinking strategy and ten-year blueprint, we forged on bravely.

2020 is also the year when COVID-19 swept across the world and disrupted the economy and the lives of tens of millions of people globally, throwing us into a unprecedented crisis. It had posed several challenges to the institute, with the need for the movement of our cross-border faculty being one of the greater challenges as border and travel restrictions were put in place.

All of us at the institute, with the commitment to promote first-class education, innovation and collaborations, had united in this extraordinary period to overcome the challenges together. I would also like to thank all our partners and well-wishers for believing in us and supporting us in this journey. I look forward to your continued support in 2021, and may the new year be a fruitful and prosperous one for all.

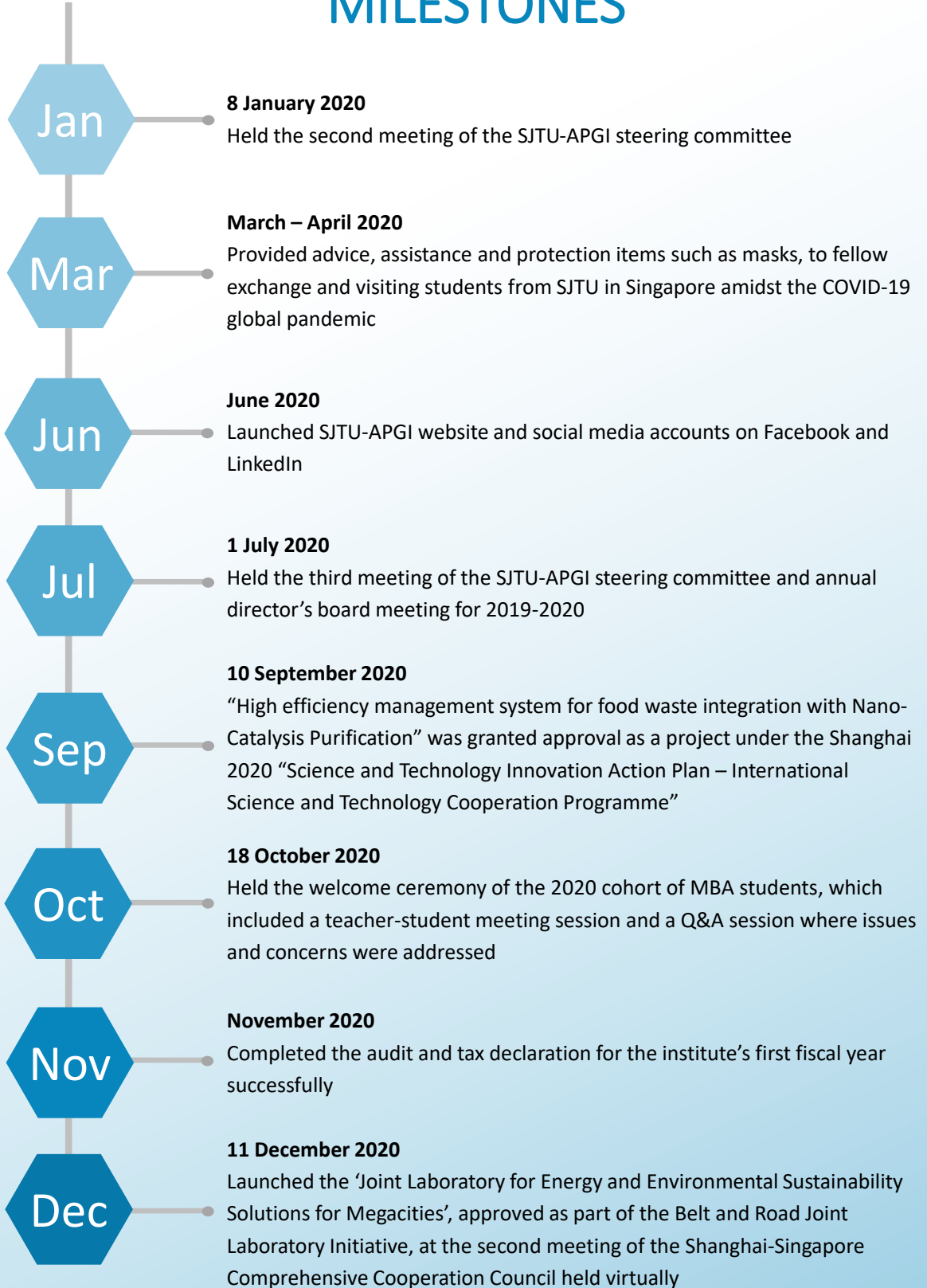


Professor PENG Yinghong  
Dean

SJTU Asia-Pacific Graduate Institute



# MILESTONES





## HIGHLIGHTS

**8 Jan 2020**

The second meeting of the SJTU-APGI steering committee



**1 July 2020**

The third meeting of the SJTU-APGI steering committee and annual director's board meeting for 2019-2020

**10 Sep 2020**

"High efficiency management system for food waste integration with Nano-Catalysis Purification" granted approval under Shanghai 2020 "Science and Technology Innovation Action Plan







# HIGHLIGHTS



**18 Oct 2020**  
Welcome ceremony  
for 2020 intake of  
MBA students

**16 Nov 2020**

Mr. Chua Teng Hoe,  
Consul-General of the  
Republic of Singapore in  
Shanghai, visited SJTU, warmly  
welcomed by Secretary of the  
CPC SJTU Committee, Yang  
Zhenbin, and SJTU Vice  
President Xu Xuemin,



**11 Dec 2020**  
Official launch of "International  
Joint Laboratory for Energy and  
Environmental Sustainability of  
Megacities" established by  
SJTU and NUS, approved  
as part of the Belt and  
Road Joint Laboratory  
Initiative





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# The Year in Review



# The Year in Review

## Education

### Antai Asia-Pacific Center

Shanghai Jiao Tong University's "Antai" brand is widely recognised as one of China's world-class business schools, and the first to be awarded the Triple Crown Accreditation from AACSB, EQUIS and AMBA. It provides quality business programmes which integrate Chinese and foreign management practices.

Its MBA programme is a 2.5-year part-time programme taught by a cross-border faculty consisting of teachers from both SJTU's Antai College of Economics and Management and Singapore, with Chinese as medium of instruction. The MBA programme had trained around 600 business leaders and industry elites for the economic development of China and Singapore since its inception in 1993.

### 2020 MBA Admissions

A series of student recruitment activities were carried out across various platforms, such as:

- **Online:** Website, Email, WeChat official account, Weibo, Facebook, LinkedIn
- **Offline:** Forum, One-on-one consultations





# The Year in Review

## Teaching Activities

- Welcome ceremony for 2020 intake of MBA students
- Concern for current students during the pandemic, provided students with care kits which included protection items like masks and hand sanitisers
- Preparation to setup Singapore Industry Research Association
- Hiking to enjoy the outdoors





# The Year in Review

## Research

### Energy & Environmental Sustainability Solutions for Megacities (E2S2)

The E2S2 project is a major collaboration between Shanghai Jiao Tong University (SJTU) and National University of Singapore (NUS). Supported by the Campus for Research Excellence and Technological Enterprise (CREATE) and hosted under NUS Environmental Research Institute (NERI), it seeks to address issues faced by megacities. Placing its focus on waste-to-resource utilisation and the monitoring and control of emerging pollutants, the project aims to facilitate interdisciplinary research, industrial application, and policy implementation to solve potential problems.

The E2S2 project consists of two phases:

Phase I: August 2012 – March 2018

Phase II: August 2018 – 2023 (Ongoing)



### Cumulative achievements of E2S2 Phase II (2018-2020):



**101**

Journal papers



**88**

Colloquium papers



**7**

Joint PhD students



**17**

Master's and PhD exchange students



**93**

Researchers

### 2020 Progress

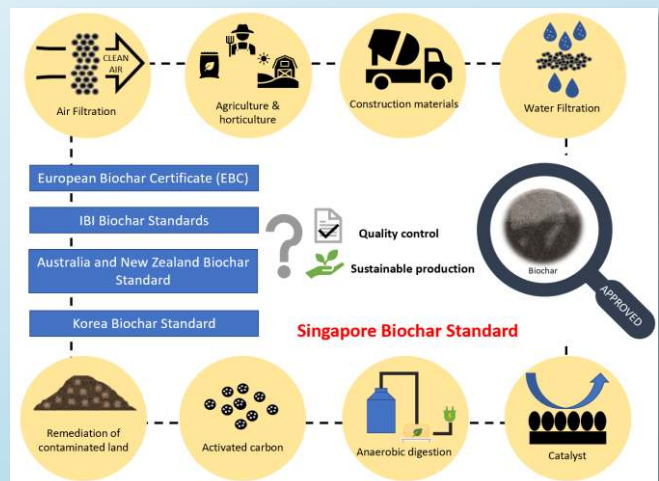
- Evaluated as "very good" at the first E2S2-CREATE academic committee meeting on 13-14 August 2020
- At the CREATE Council meeting on 1 December 2020, where SJTU President Lin Zhongqin attended and gave a speech, Prof. Peng Yinghong's report on the latest development was highly appraised
- At the 4<sup>th</sup> and 5<sup>th</sup> E2S2 steering committee meeting on 12 June 2020 and 9 December respectively, the committee expressed their satisfaction with E2S2's progress



# The Year in Review

## 2020 Achievements

- Technological achievements in waste recycling, control of cyanobacteria algal blooms, Singapore Biochar Standard, as well as antimicrobial resistance management
- Technology transfer of E2S2's food waste treatment technology has been implemented in cooperation with 12 companies in both Shanghai and Singapore
- 4 international academic conferences were held, where 300 participants from 10 countries engaged in academic exchanges
- “High efficiency management system for food waste integration with Nano-Catalysis Purification” was granted approval as a project under the Shanghai 2020 “Science and Technology Innovation Action Plan – International Science and Technology Cooperation Programme”
- Official launch of the ‘Joint Laboratory for Energy and Environmental Sustainability Solutions for Megacities’, approved as part of the Belt and Road Joint Laboratory Initiative, at the second meeting of the Shanghai-Singapore Comprehensive Cooperation Council held virtually





# The Year in Review

## Collaborations

### SJTU Southeast Asia Center (SJTU-SAC)

SJTU-SAC is established as a platform for SJTU to lead initiatives and activities in Southeast Asia with partners and sponsors from the region, and to ultimately increase SJTU’s impact in Southeast Asia

### 2020 Progress & Achievements

- Promotion of scientific research collaborations, innovative business programmes
- Participation in local activities on behalf of SJTU
- Centre for information: provision of work reports and presentations, information on cooperation initiatives and regulations in Singapore, building of center’s website to be a one-stop centre for updates



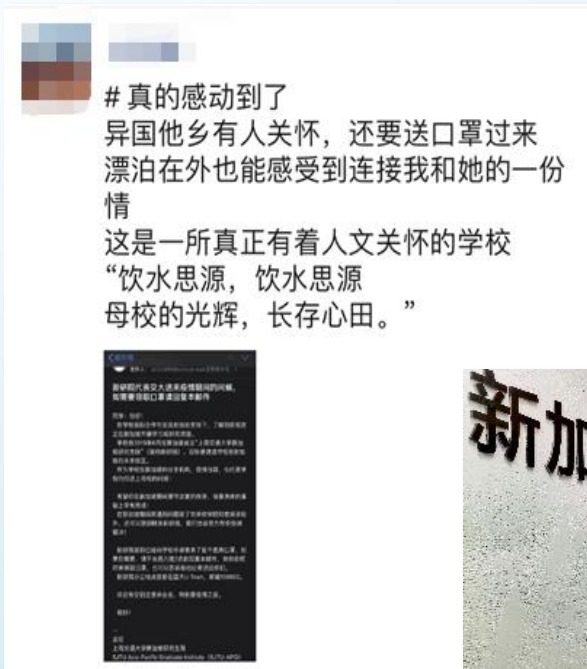




# The Year in Review

## 2020 Progress & Achievements

- Acts as overseas centre of SJTU: In the first half of 2020 when the COVID-19 pandemic hit, SAC, on behalf of SJTU, sent regards to the 41 SJTU students in Singapore. It had also provided assistance such as giving out protection items like masks, and liaising with the Chinese embassy regarding the students' travel arrangements
- Visited the campuses of 5 foreign universities in Shanghai and the Technical University of Munich (Asia), in a bid to explore opportunities for cooperation





# The Year in Review

## Administration

### 2020 Progress & Achievements

#### Human Resource

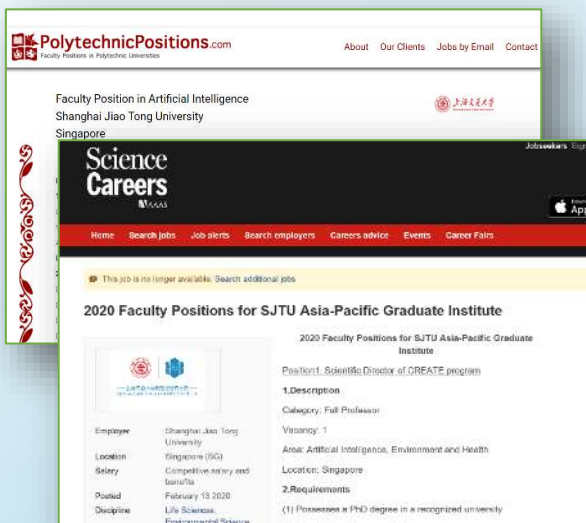
- Carried out the first global recruitment
- Established local adjunct lecturer database
- Granted autonomy on faculty recruitment approval process and flexibility in hiring local management staff

#### Finance

- Successfully completed audit for the first fiscal year

#### Marketing and Promotion

- Built and launched the institute's official website
- Set up official social media accounts on Facebook and LinkedIn





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# Moving Forward



# Moving Forward

## Expansion of Teaching Projects

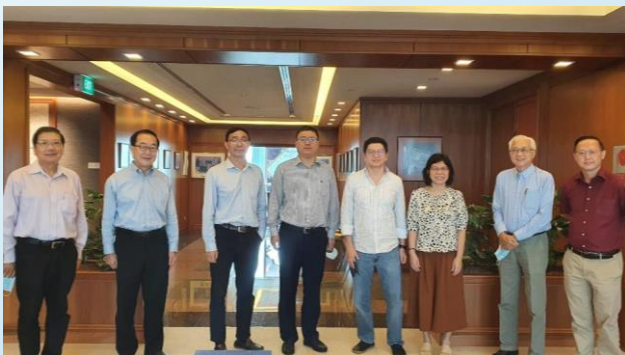
- Executive Education
- Master of International Business (MIB)
- Joint PhD Program with NUS covering multiple areas of study

## CREATE Phase 3

- Theme: Science of Sustainable Cities - a collaboration with outstanding local and foreign universities with focus research areas of data science, circular economy, waste-to-resource management, and sustainable integrated energy systems

## Collaborations

- Promote research internships and internships with overseas companies in the region
- Explore collaborations between SJTU and enterprises in industrial transformation and joint research









## About SJTU Asia-Pacific Graduate Institute

SJTU Asia-Pacific Graduate Institute (SJTU-APGI) is an extension of Shanghai Jiao Tong University's education and research efforts, as well as a platform for overseas resource integration and internationalization. The overall goal of SJTU-APGI is to promote the innovation of systems and integration of resources, and in turn, open up new global prospects in the fields of education and research.

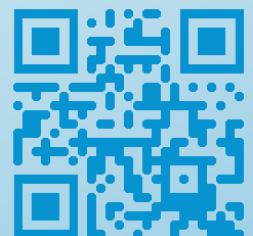
In the long run, SJTU-APGI aims to become a world-class overseas educational institution recognized not only in Singapore, but also internationally. SJTU-APGI also seeks to attract and groom global talents, and to become a centre for innovation

## Our Objectives

To be a world-class renowned institute dedicated to future economic and societal development, by integrating Chinese and foreign perspectives in education and research practices; and connecting Chinese and foreign institutes in academic and cultural exchange

- To address major global scientific and technological issues through multidisciplinary joint research
- To create knowledge, and to nurture and fully equip future leaders with global outlook and multicultural competence to face the challenges of tomorrow
- To facilitate collaboration and exchange to promote access to knowledge and innovation, and to explore cutting-edge scientific research
- To be open to different cultures and opportunities while staying rooted in tradition and values

For more information, visit our website at:  
<http://sjtu-apgi.edu.sg>





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