

**ANNEX**

**#futuretogether**

Organised in support of the Singapore Bicentennial commemoration, #futuretogether is jointly presented by Gardens by the Bay and GIC, with art by teamLab. It features seven digital art installations spanning across both the indoor and outdoor spaces of Bayfront Plaza. These exhibits encompass three themes – Aspirations, Connectivity and Possibilities – that relate to how Singaporeans look forward to the future as the bicentennial year comes to a close.

The capstone event of the Singapore Bicentennial, #futuretogether will open officially on January 16 next year, with advanced ticket reservations beginning on December 15.

Ahead of the official opening, two of the outdoor exhibits will also be showcased to public during the soft opening from December 15 this year to January 15 next year.

**Official opening date:** 16 January 2020 – 15 March 2020

**Soft opening date:** 15 December 2019 – 15 January 2020

A showcase of two outdoor exhibits:

- *Autonomous Resonating Life on the Water and Resonating Trees – Dragonfly Lake*
- *Flowers and People – Giant Lattice Mass, a Whole Year per Hour*

**Jointly presented by**



**In support of**



**Art by**



## OUTDOOR EXHIBITS

**Time:** 7pm to 12am

**Location:** Bayfront Plaza

**Details:** No admission charge

### **Theme: Connectivity**

We are connected by invisible threads to each other. Being open kept us linked to emerging technology, markets, and networks. Throughout our history, our unique perspective influenced each wave of change. Even though we are small, our actions have a resonating effect on the world.

#### ***Autonomous Resonating Life on the Water and Resonating Trees – Dragonfly Lake***

The ovoids of light standing on the surface of the Dragonfly Lake shine brightly together with the trees on the lakeshore.

The light of the ovoids and the light of the trees are autonomous: they shine brightly and then fade slowly, as if breathing.

When an ovoid is pushed, the colour of its light changes, and it emits a sound tone specific to that colour. The light resonates out to the ovoids and trees nearby. The sound tone resonates out continuously in the same way as the light, spreading throughout the ovoids and trees.

When a light resonates from the other side, it signifies the presence of people or local animals. Perhaps people will become more aware of the existence of other living things in the same space.



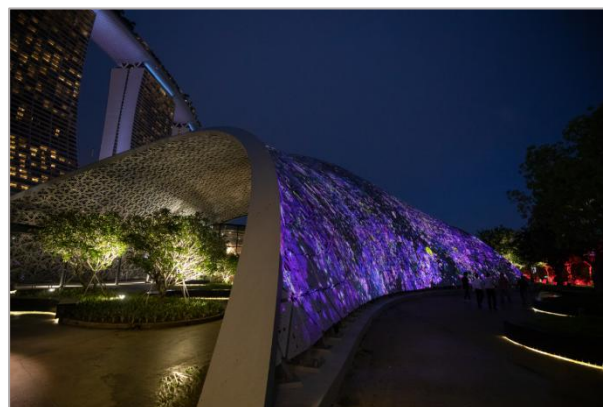
### **Theme: Aspirations**

Singapore is fertile ground for trailblazers. Our dreams are nurtured in a tree of diverse aspirations, growing stronger with every new wish. In our future together, we dare to hope for a better world. During this Singapore Bicentennial year, Singaporeans' hopes and dreams for the future were collected at various events for this installation.

#### ***Flowers and People – Giant Lattice Mass, a Whole Year per Hour***

Flowers bloom and scatter for eternity on a giant lattice. A year of seasonal flowers bloom over the course of an hour, continuously scattering and changing.

Flowers are born, grow, bud, bloom, and eventually scatter, wither, and disappear. The flowers are in a continuous cycle of life and death, repeating forever.



When people come close and move around, the flowers scatter. But when people approach and remain still, the flowers bloom more abundantly than usual.

The artwork is rendered in real time by a computer program. It is neither a pre-recorded animation nor on loop, it is continuously changing. Previous visual states can never be replicated and will never reoccur.

**Message Pillar – The Singapore Bicentennial**  
*teamLab, 2016, Interactive Digital Installation, H: 4000mm*

If you look at the pole of the Message Pillar through your smartphone camera using the Message Pillar smartphone app, you will see words floating around the pillar. If you use the app to write and post a message, that message will float together with the other previously posted messages and join them to form a tree.

*Photo credit: teamLab*



## INDOOR EXHIBITS

**Time:** 9am to 9pm (Last entry at 8.30pm)

**Location:** Bayfront Pavilion (at Bayfront Plaza)

**Details:**

Ticketing details	Singapore residents	Standard rate
Indoor exhibits * If visitors choose to experience the <b>Flowers Bloom in an Infinite Universe inside a Teacup</b> indoor exhibit, there is an additional charge	Free * \$3	\$10 * \$7

*Tickets can be purchased in advance from December 15 on [www.gardensbythebay.com.sg](http://www.gardensbythebay.com.sg).*

### Theme: Possibilities

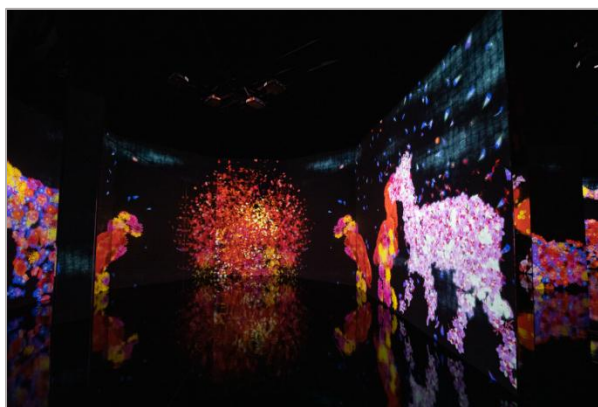
Winds and sails carried seeds from across the ancient silk road of the seas. From spices to tea, the allure of our biodiversity brought communities to Singapore for seven hundred years. Our environment thrives by constantly adapting to new waves of changes through curiosity and experimentation.

#### **Animals of Flowers, Symbiotic Lives**

Animals with flowers growing on their bodies come and go.

The flowers grow from the bodies of the animals, bloom, and in time the petals scatter, they wither and die. The cycle of life and death continues for eternity.

When people touch the animals, the flower petals scatter. If people touch the animals too much, all of the flowers will scatter, and the animals will die and fade away.



Among the animals are those inhabiting Singapore and the surrounding area, such as the Malayan tapir, Sambar deer, oriental pied hornbill, leopard cat, smooth-coated otter and the Malayan Sun bear, which bloom with flowers including local orchids such as Vanda Miss Joaquim and *Arachnis Hookeriana*.

### ***Flowers Bloom in an Infinite Universe inside a Teacup***

Make tea and flowers bloom inside the teacup. Move the teacup or pick it up and all of the flower petals scatter and spread outside of the cup. As long as there is tea in the cup, flowers will continue to appear and bloom.

The artwork appears for the first time when there is tea in the cup; when the tea is gone, the artwork disappears with it. Tea is a transformative liquid and the amount of tea in the cup will change the size of the tea's surface. Accordingly, it will also change the size of the flower. If tea is spilled from the cup, flowers will also bloom in the spilt liquid.



Throughout a year, each month's seasonal flowers will bloom.

The work is rendered in real time by a computer program; it is not a pre-recorded video. The artwork is influenced by the viewers, as their behaviour causes continual change and transformation. This moment of the artwork can never be seen again and a previous state will never be repeated.

There are two flavours of tea served – hot teh tarik and cold brew green tea with yuzu.

### **Other exhibits**

#### ***Reversible Rotation – Black in White***

The Spatial Calligraphy rotates in the artwork space, every aspect rotating in the same direction, but depending on perception, it can appear to be rotating clockwise or counterclockwise.

Spatial Calligraphy offers a contemporary interpretation of traditional calligraphy in an abstract space. The artwork reconstructs calligraphy in three dimensional space and expresses the depth, speed and power of the brush stroke.



***Continuous Life and Death at the Now of Eternity II***

In the flow of time of reality flowers are born, bloom, then in the course of time they wither and die. The flowers are eternally repeating the process of life and death.

The world of the artwork becomes brighter with the sunrise where it is located, and becomes darker as the sun sets. The flowers that bloom change throughout the period of one year.

The artwork is not a pre-recorded image that is played back; it is created by a computer program that continuously renders the artwork in real time. As a whole, it is continuously changing, and previous visual states are never replicated. The picture at this moment can never be seen again.

