



The Satellite is a ^{13px, font}live, ⁵⁰photo-realistic experience of Earth from space, created purely from ^{5%}satellite data. ^{5%}For the first time, public audiences will be able to look down upon the planet as if they are looking out of a window in the International Space Station.

11px, font

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"The Satellite wants to change the perception of Earth"



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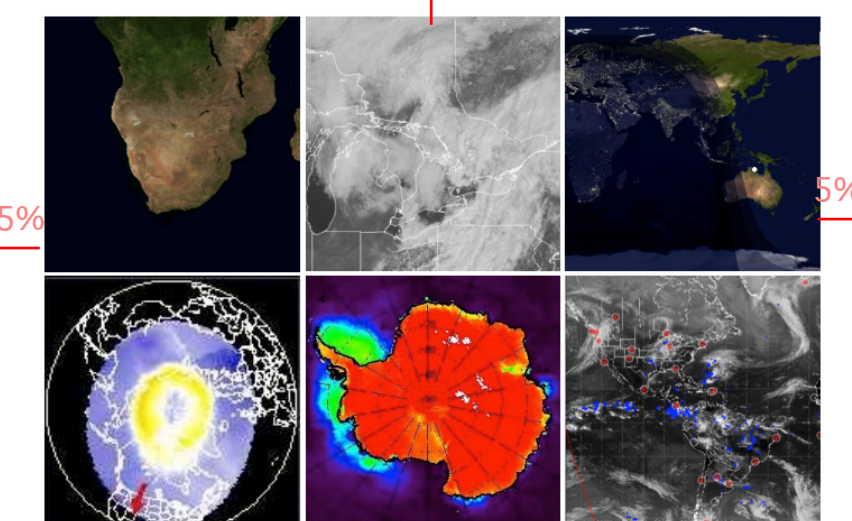
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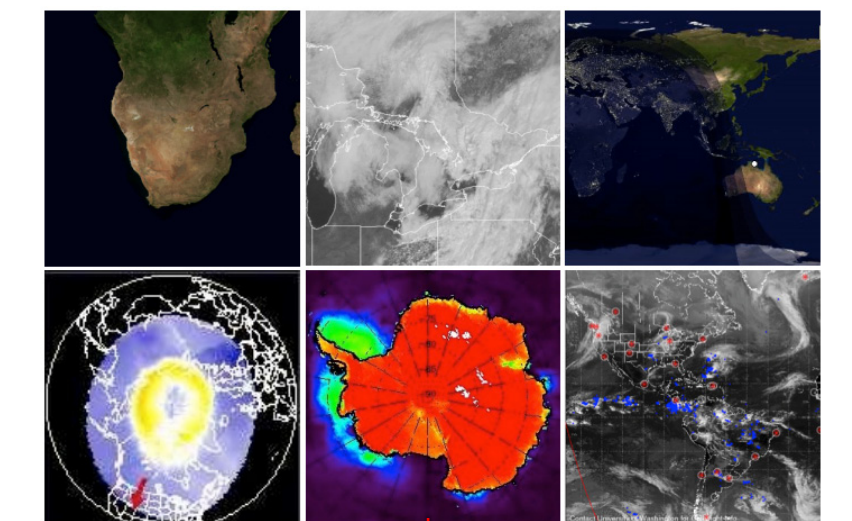
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13px font

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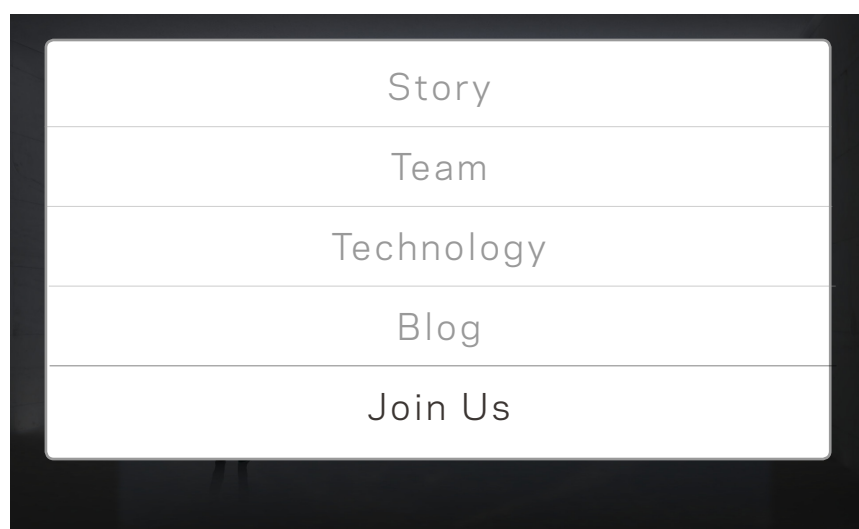
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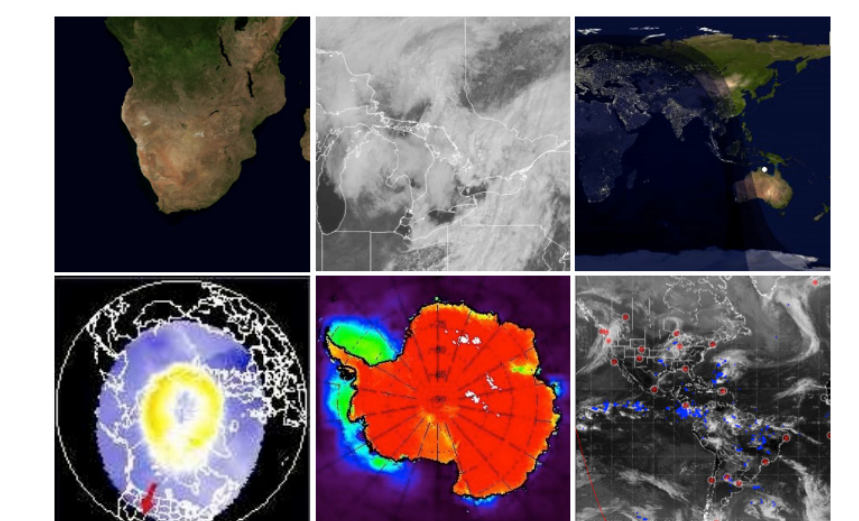
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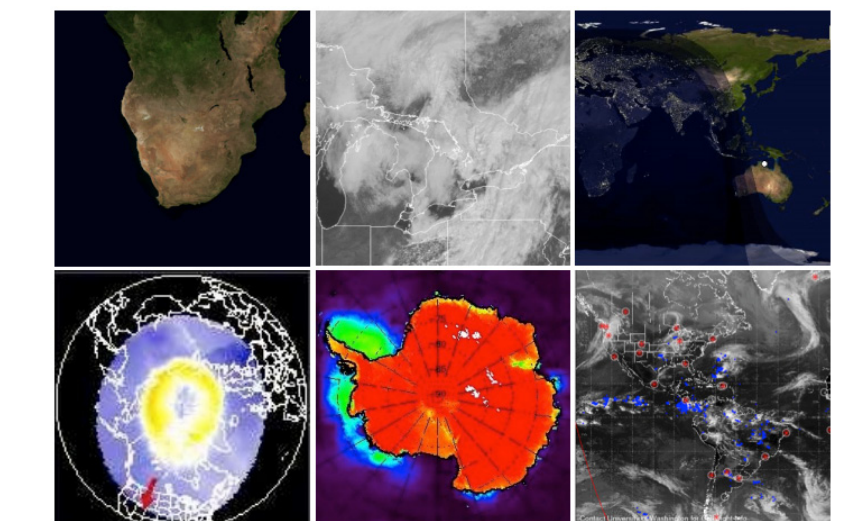
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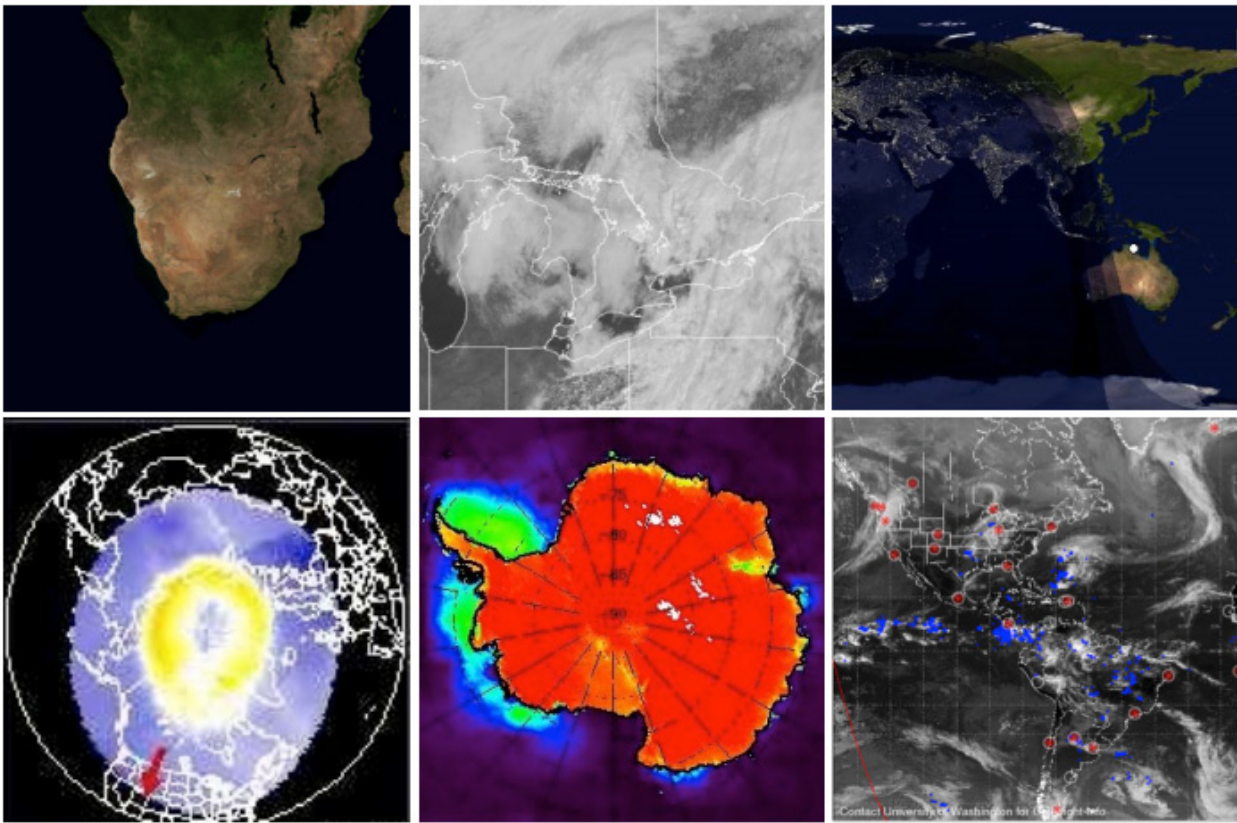
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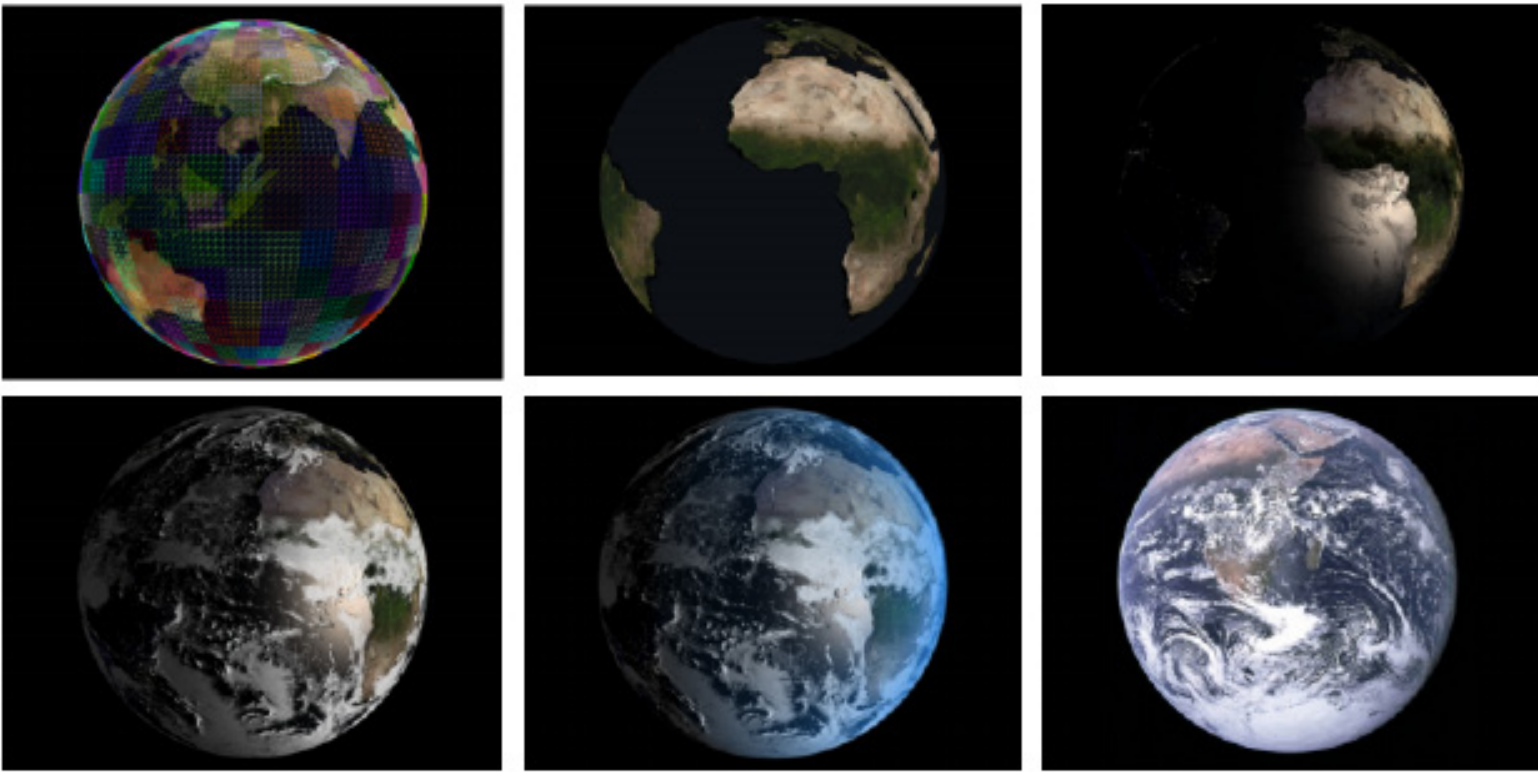
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Photorealistic Visualization

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THE SATELLITE



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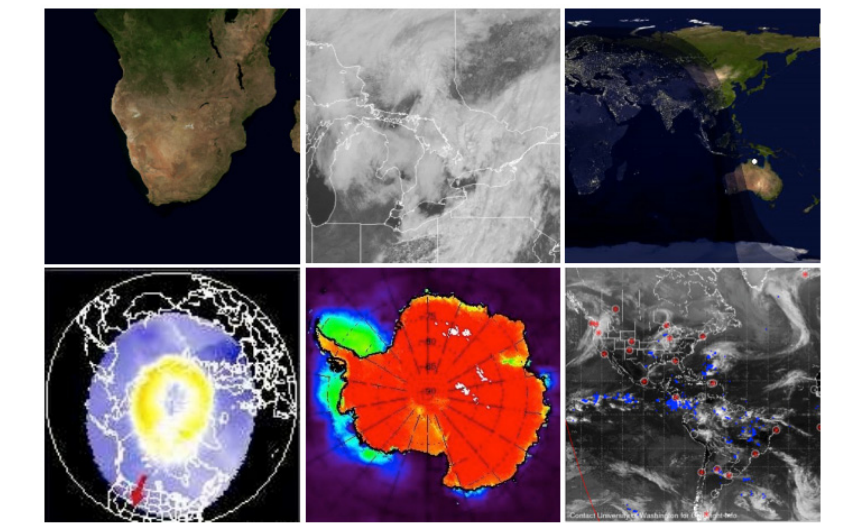
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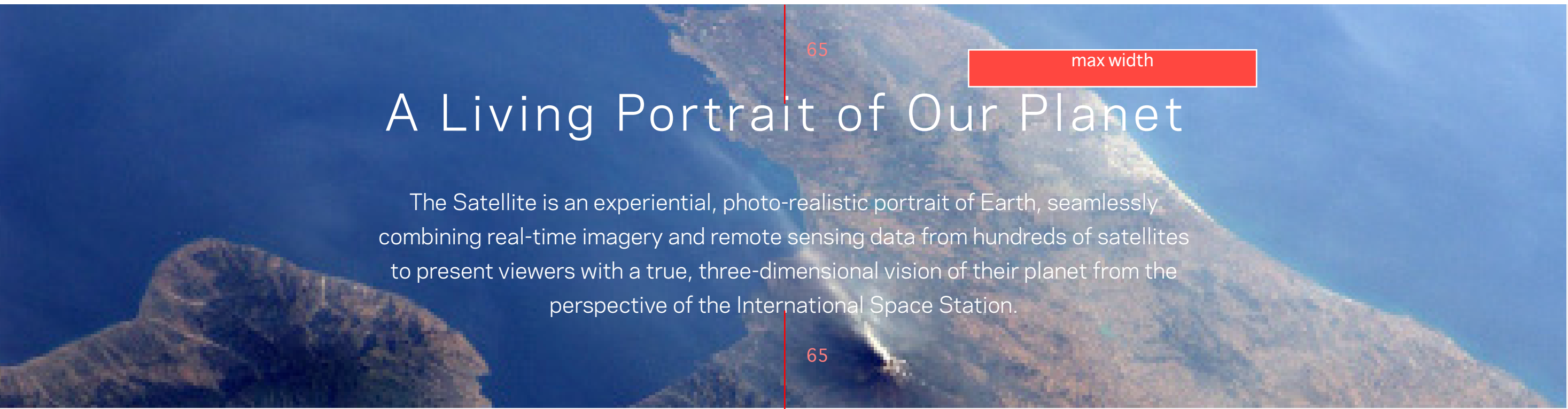
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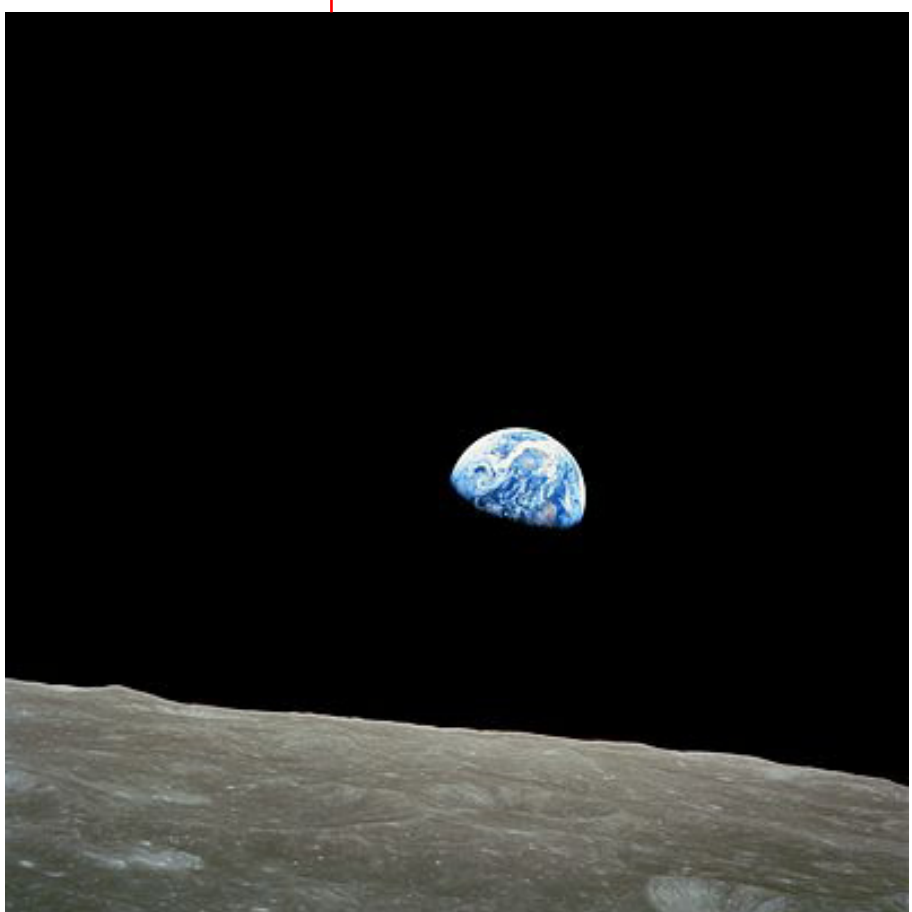
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A Living Portrait of Our Planet

The Satellite is an experiential, photo-realistic portrait of Earth, seamlessly combining real-time imagery and remote sensing data from hundreds of satellites to present viewers with a true, three-dimensional vision of their planet from the perspective of the International Space Station.

In 1968, the astronauts on board Apollo 8 experienced a profound emotional transformation upon seeing their home on the lunar horizon. Since then, many traveling astronauts report similar internal shifts: some are struck by the fragility of the atmosphere and ecosystem; others sense social boundaries and conflicts dropping away to reveal a feeling of unity; others grasp human existence in philosophical terms.



These extraordinary feelings are vitally important to a greater understanding of ourselves and Earth, but only a tiny cluster of researchers and scientists have access to them. The Satellite will offer this arresting experience to the general public, opening up an unlimited discourse around the planet's past, present and future.

The first photographic glimpse of the Earth occurred only sixty-eight years ago, in 1946, after World War Two had ended. A V-2 rocket, launched from White Sands Missile Range, took a simple black and white image from a height of 65 miles. Twenty years later, NASA's Gemini 11--complete with crew--produced the first color photograph of the Earth at over ten times the distance. In 1968, Apollo 8 snapped "Earthrise," the first whole Earth image, as they approached the moon. In 1990 came NASA's "Pale Blue Dot," a photograph taken in deep space. These three images revolutionized the perception of our planet in both the scientific



Despite their impact, these images are not tools — such as Google Maps — or experiences. The ability for anyone other than an astronaut to see the planet in the mind's eye is limited to a still photograph on a flat surface. The Satellite taps into the vast, un-curated resource of intelligent live information, leveraging it with the emotional impact of cinematic imagery to create an extraordinarily detailed and nuanced representation of Earth.

The Project Team

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Dana Karwas
PROJECT DIRECTOR

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Dana Karwas
PROJECT DIRECTOR

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Dana Karwas
PROJECT DIRECTOR

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Dana Karwas
PROJECT DIRECTOR

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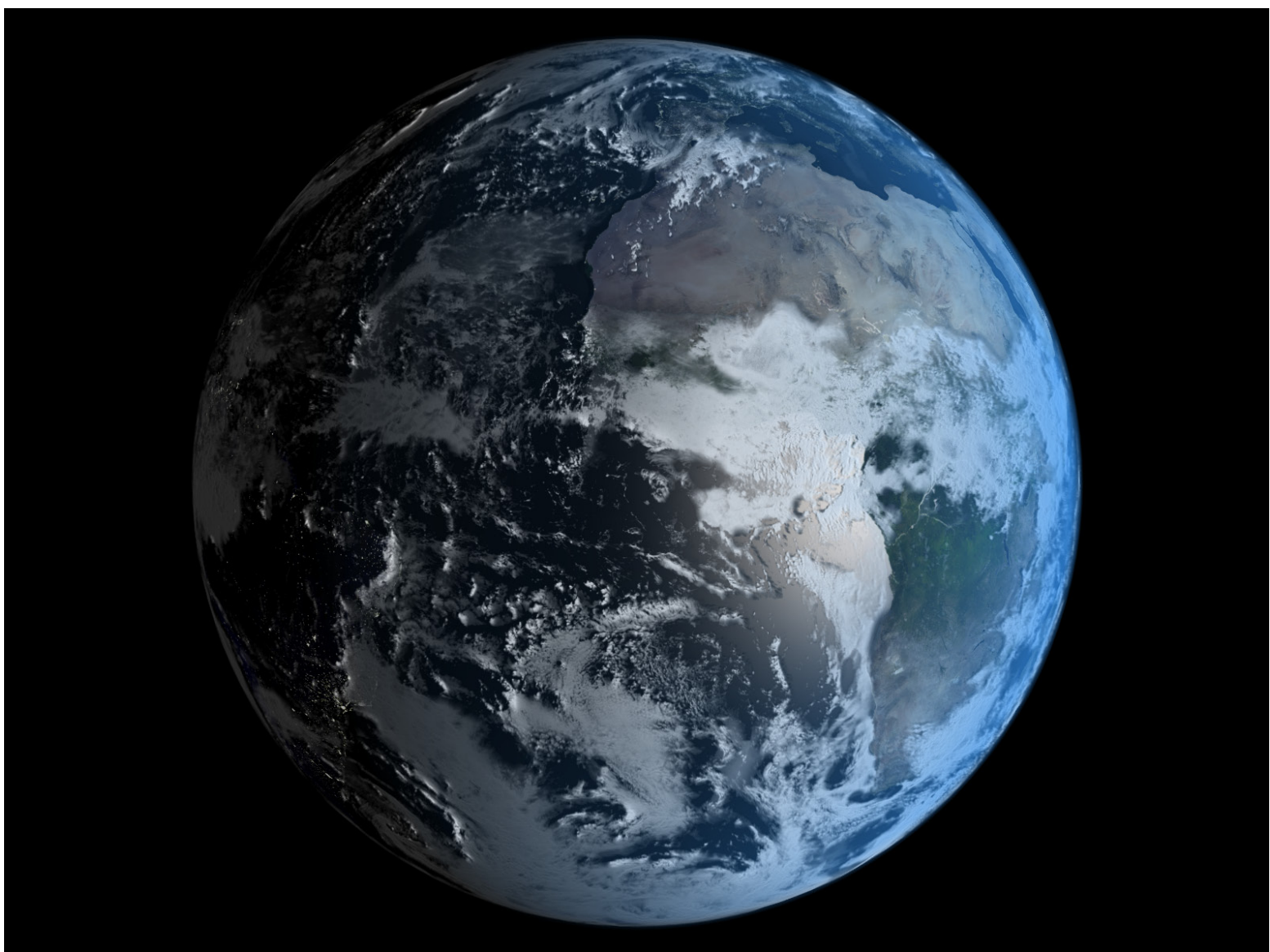


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Custom Visualization Engine

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Polycode

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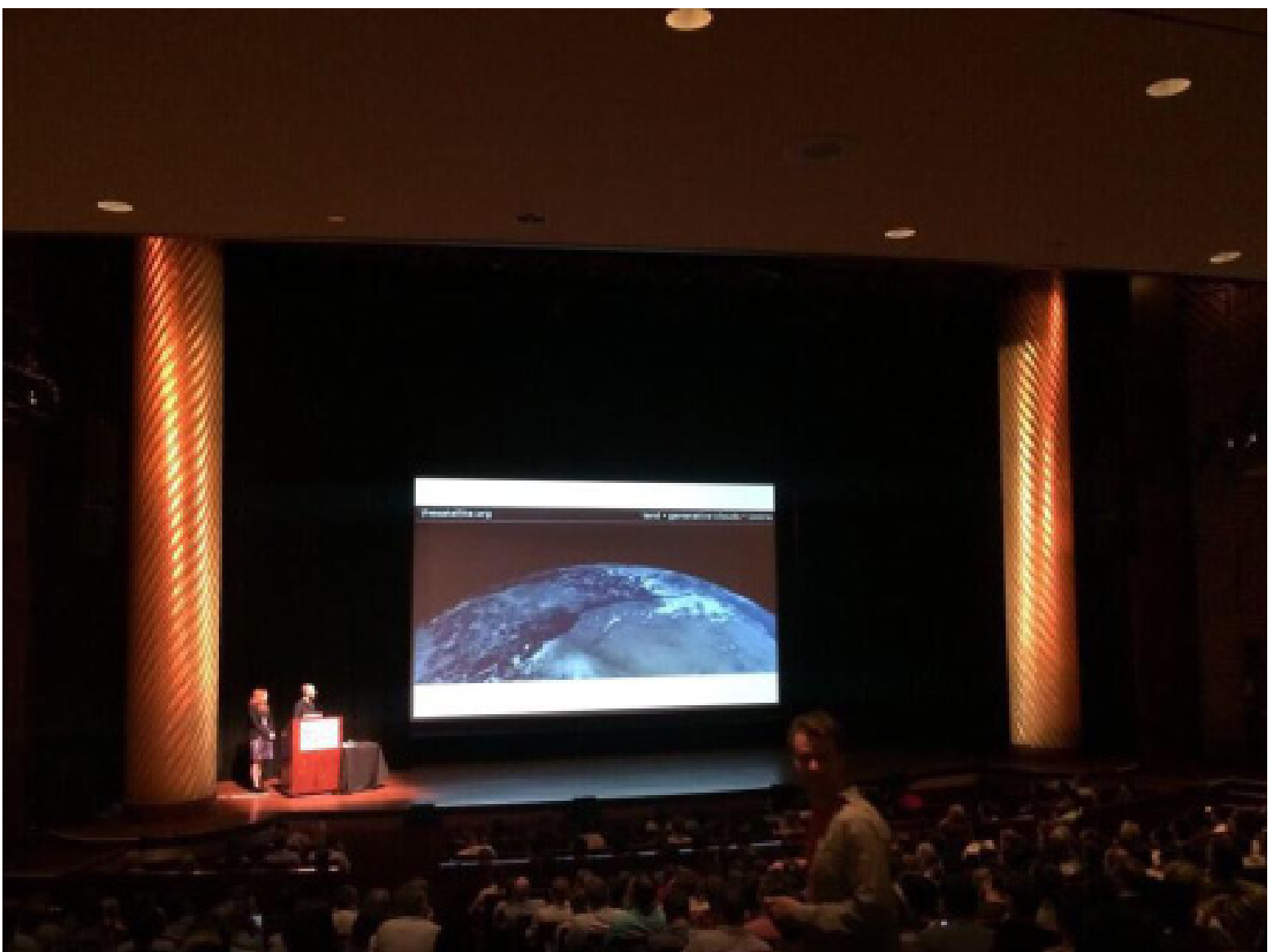
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The Satellite @ NY Tech Meetup

January 3, 2015



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Testing the Land Layer

January 3, 2015



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