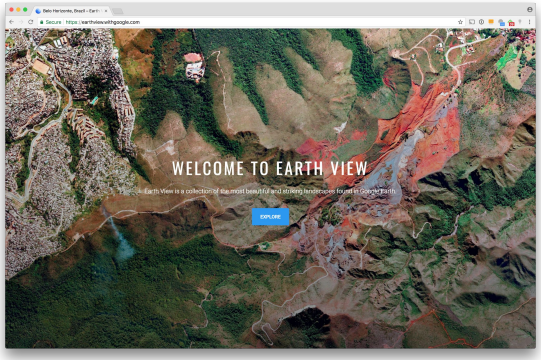
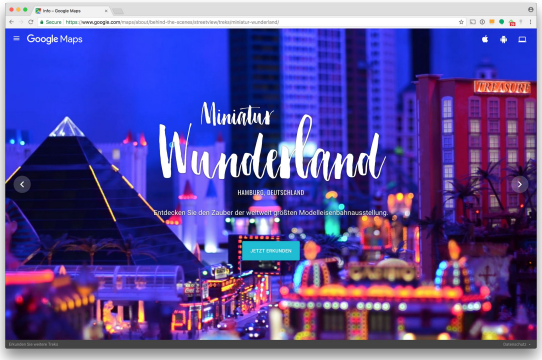
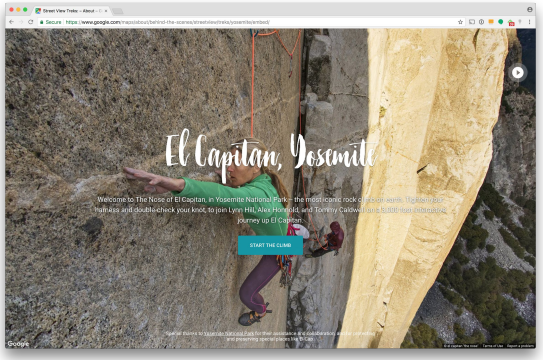
Developing content for the new Google Earth

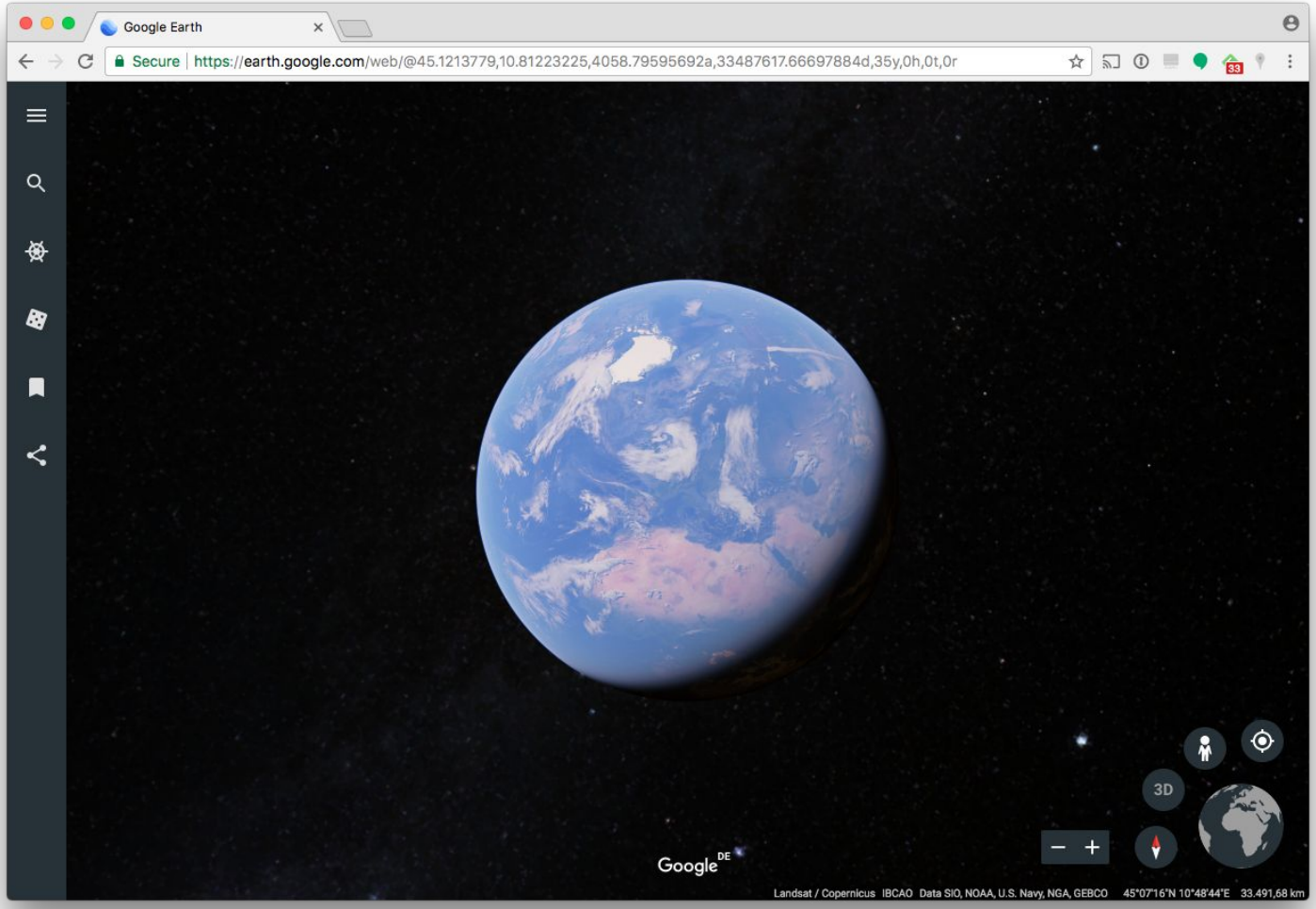
Patrick Mast


WELCOME TO EARTH VIEW
EXPLORE

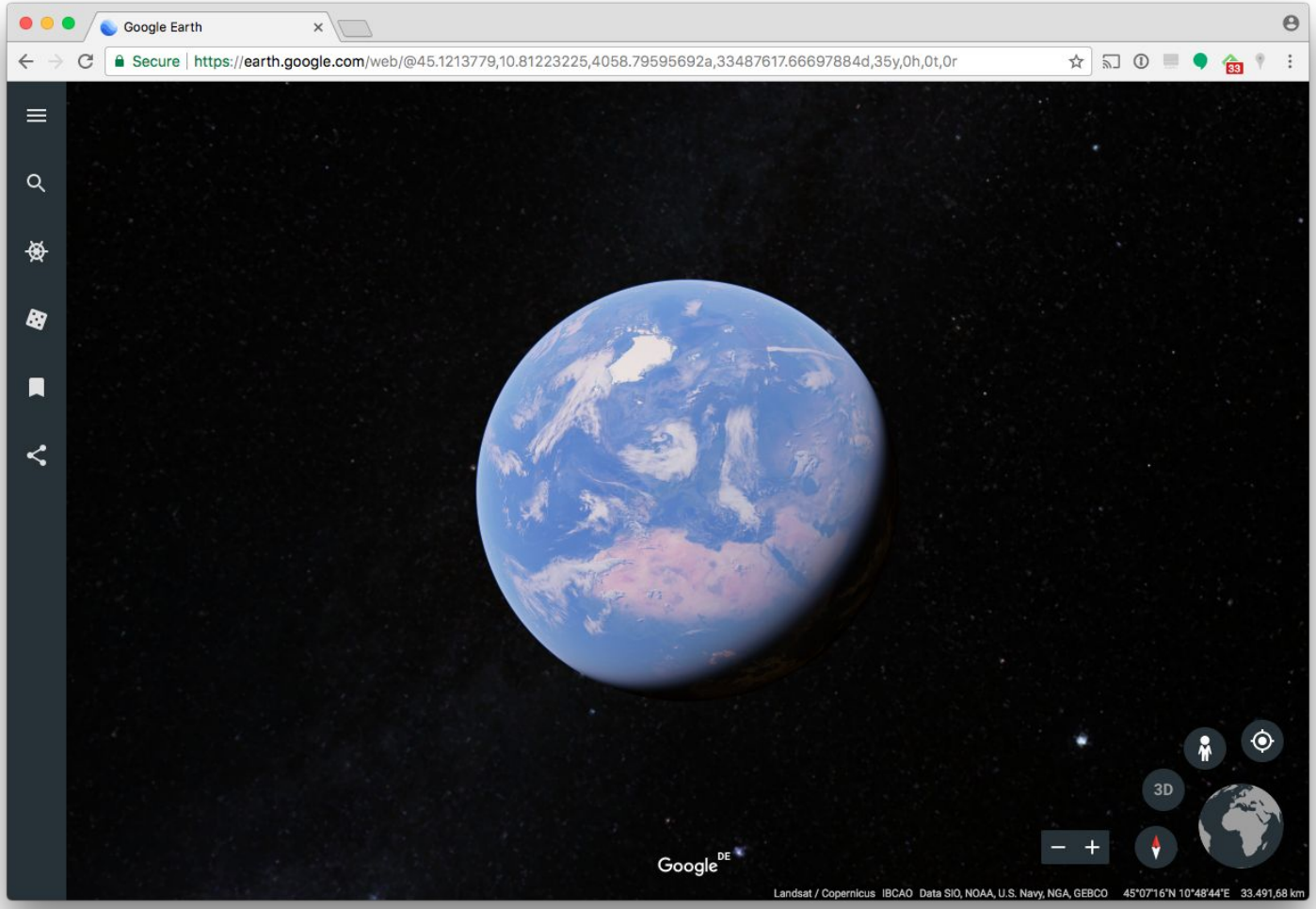

Google Maps
Miniatur
Wunderland
HAMBURG · DEUTSCHLAND
JETZT ERKUNDEN


El Capitan, Yosemite
START THE CLIMB

In early 2017 Google told us:
We have something new!


Google Earth
Secure | https://earth.google.com/web/@45.1213779,10.81223225,4058.79595692a,33487617.66697884d,35y,0h,0t,0r
3D
Google DE
Landsat / Copernicus IBCAO Data SIO, NOAA, U.S. Navy, NGA, GEBCO 45°07'16"N 10°48'44"E 33.491,68 km

And we want you to join the boat.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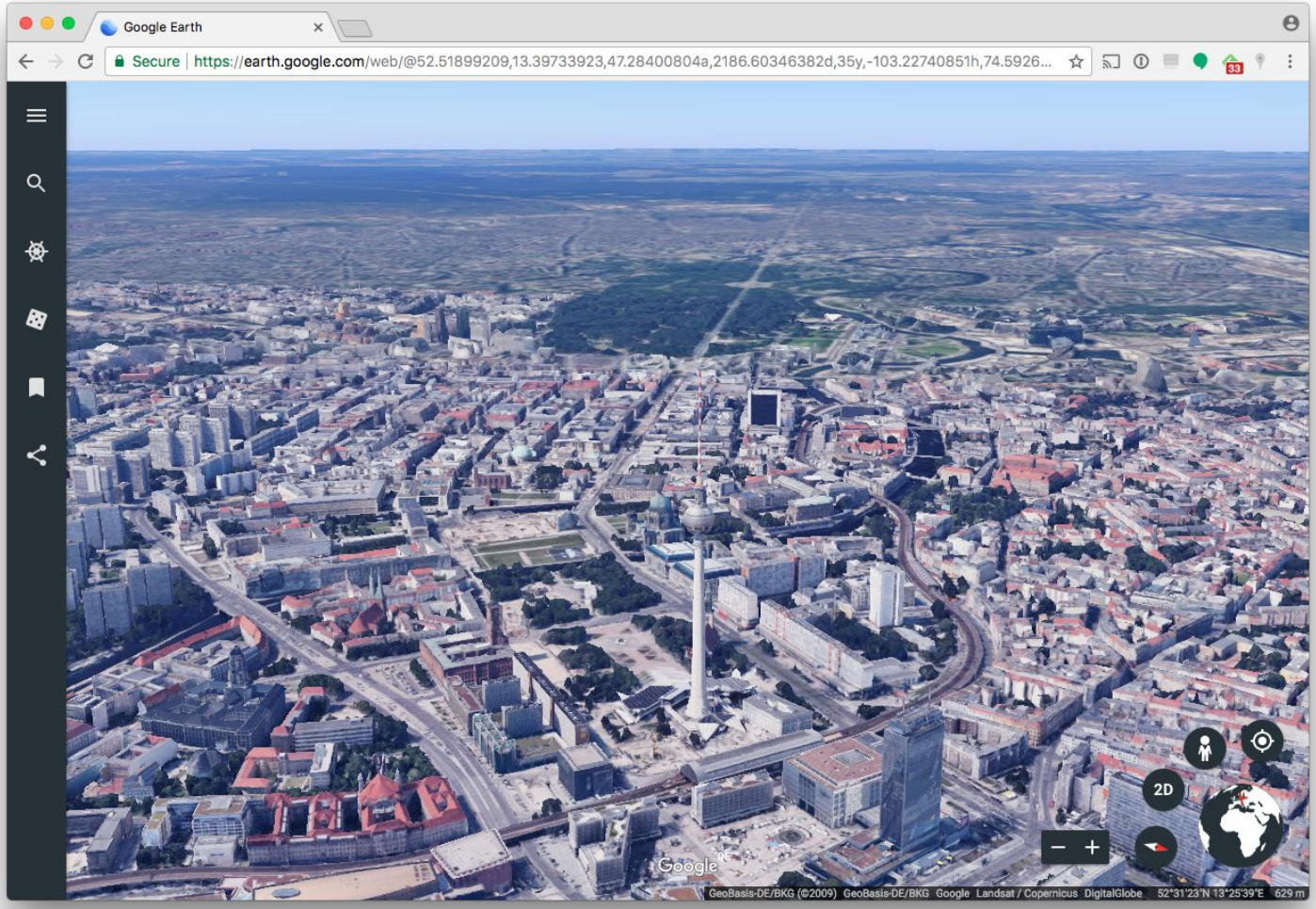
Google DE
Landsat / Copernicus IBCAO Data SIO, NOAA, U.S. Navy, NGA, GEBCO 45°07'16"N 10°48'44"E 33.491,68 km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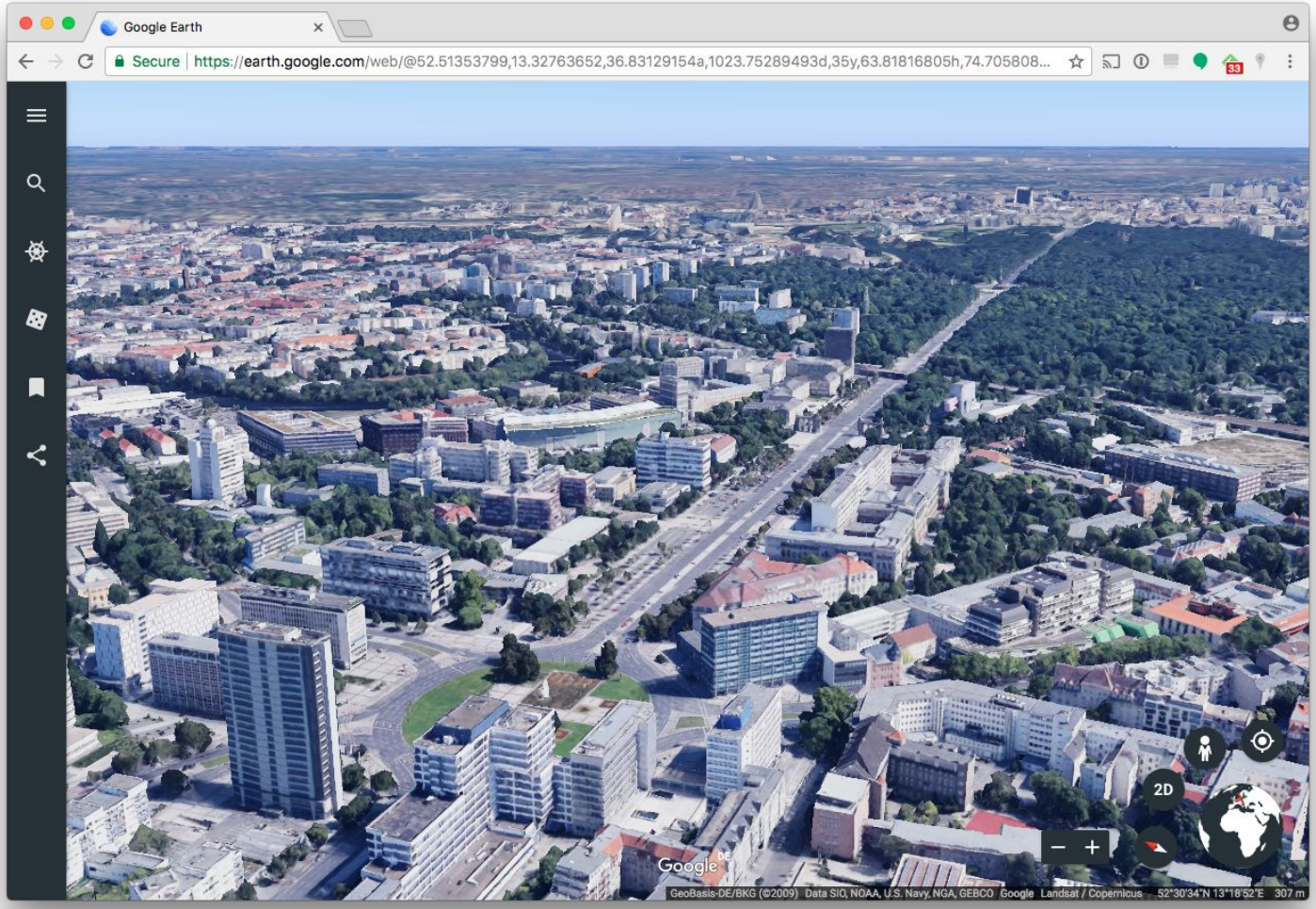
2D
Google
GeoBasis-DE/BKG (©2009) GeoBasis-DE/BKG Google Landsat / Copernicus DigitalGlobe 52°31'23"N 13°25'39"E 629 m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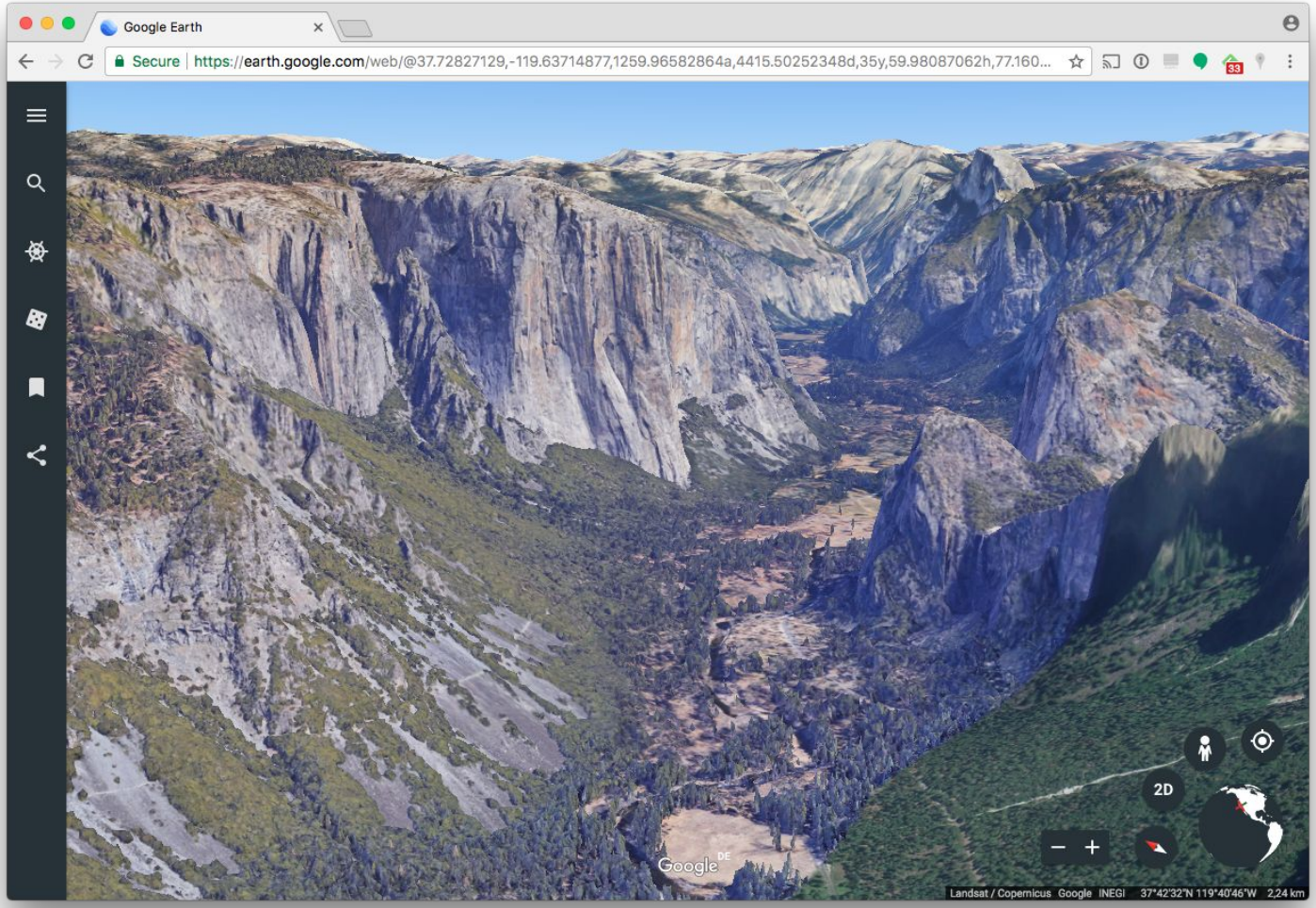
2D
Google
GeoBasis-DE/BKG (©2009) Data SIO, NOAA, U.S. Navy, NGA, GEBCO Google Landsat / Copernicus 52°30'34"N 13°18'52"E 307 m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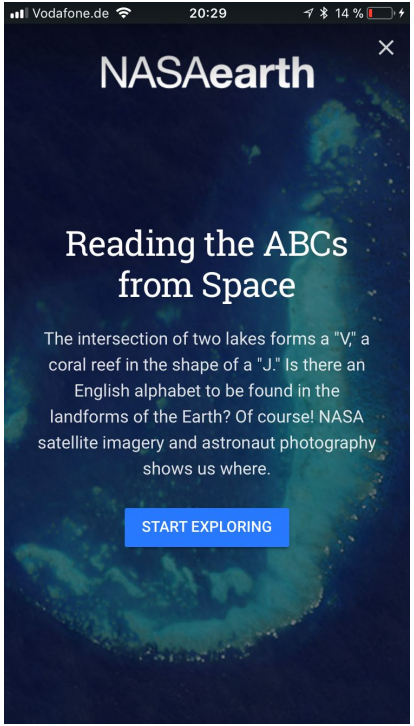
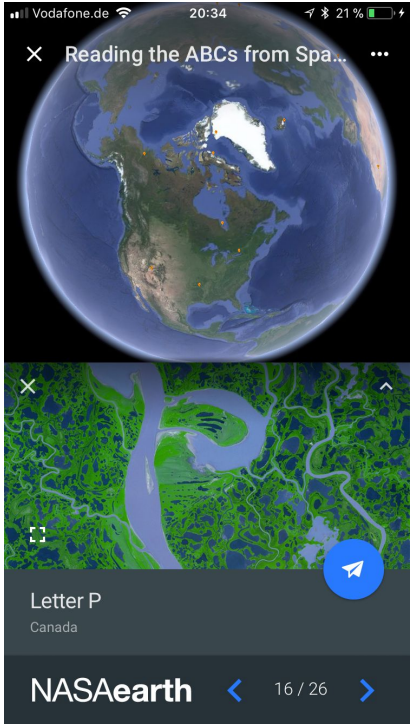
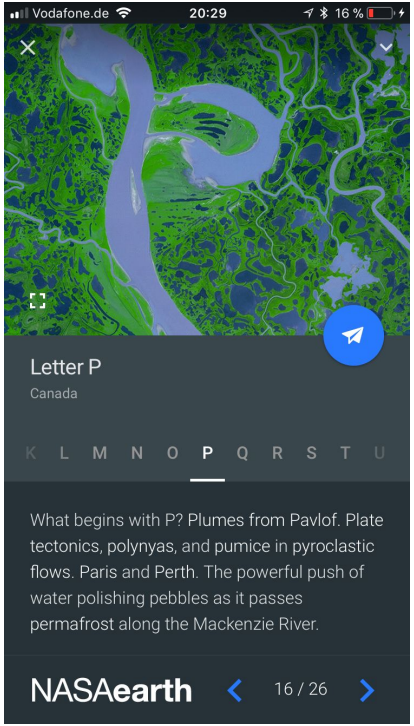
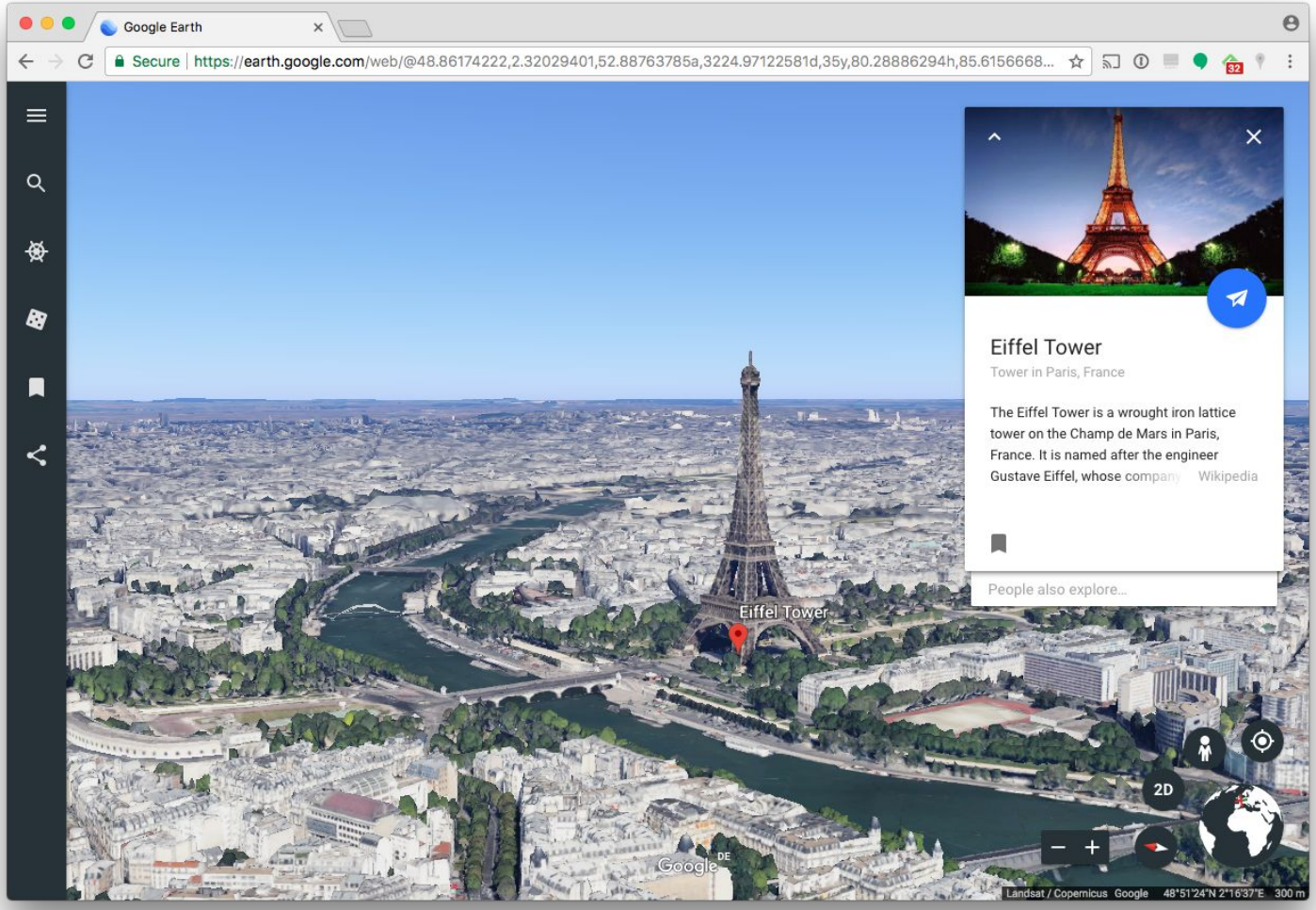
2D
Google
Landsat / Copernicus Google INEGI 37°42'32"N 119°40'46"W 2,24 km

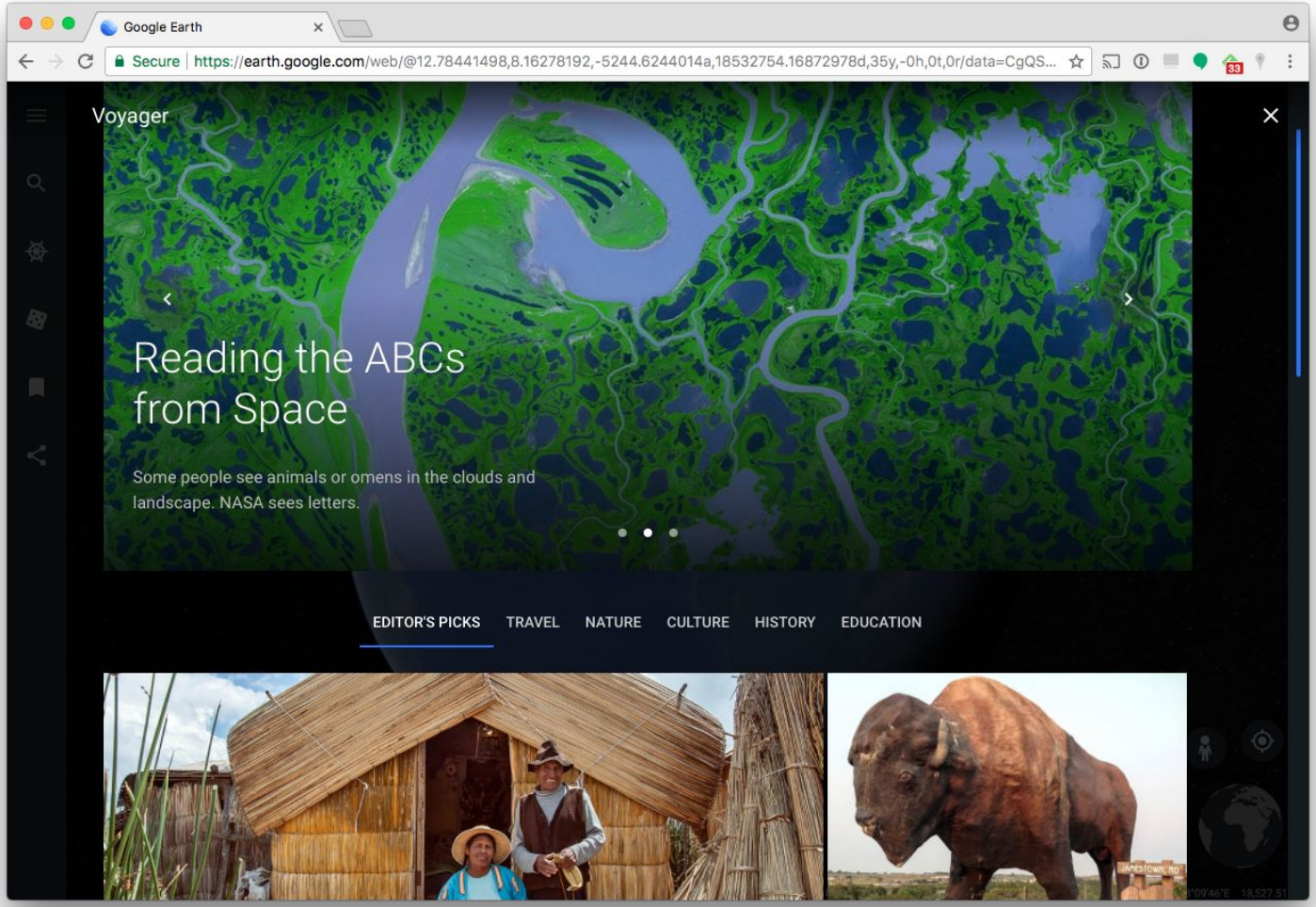
Vodafone.de
20:29
13 %
Google
Data SIO, NOAA, U.S. Navy, NGA, GEBCO, IBCAO, Landsat / Cop...
0°0'0"N 13°10'20"W 39.578 km


Vodafone.de
20:29
14 %
NASAearth
Reading the ABCs from Space
The intersection of two lakes forms a "V," a coral reef in the shape of a "J." Is there an English alphabet to be found in the landforms of the Earth? Of course! NASA satellite imagery and astronaut photography shows us where.
START EXPLORING


Vodafone.de
20:34
21 %
Reading the ABCs from Spa...
Letter P
Canada
NASAearth
16 / 26


Vodafone.de
20:29
16 %
Letter P
Canada
K L M N O P Q R S T U
What begins with P? Plumes from Pavlof. Plate tectonics, polynyas, and pumice in pyroclastic flows. Paris and Perth. The powerful push of water polishing pebbles as it passes permafrost along the Mackenzie River.
NASAearth
16 / 26


Google Earth
Secure | https://earth.google.com/web/@48.86174222,2.32029401,52.88763785a,3224.97122581d,35y,80.28886294h,85.6156668...
Eiffel Tower
Tower in Paris, France
The Eiffel Tower is a wrought iron lattice tower on the Champ de Mars in Paris, France. It is named after the engineer Gustave Eiffel, whose company
Wikipedia
People also explore...
Eiffel Tower
2D
Google
Landsat / Copernicus Google 48°51'24"N 2°16'37"E 300 m


Google Earth
Secure | https://earth.google.com/web/@12.78441498,8.16278192,-5244.6244014a,18532754.16872978d,35y,-0h,0t,0r/data=CgQS...
Voyager
Reading the ABCs from Space
Some people see animals or omens in the clouds and landscape. NASA sees letters.
EDITOR'S PICKS
TRAVEL
NATURE
CULTURE
HISTORY
EDUCATION

Yes we want!

But: you have to use KML

```
<?xml version="1.0" encoding="UTF-8"?>
<kml xmlns="http://www.opengis.net/kml/2.2">
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    <description>Attached to the ground. Intelligently places itself
       at the height of the underlying terrain.</description>
    <Point>
      <coordinates>-122.0822035425683,37.42228990140251,0</coordinates>
    </Point>
  </Placemark>
</kml>
```
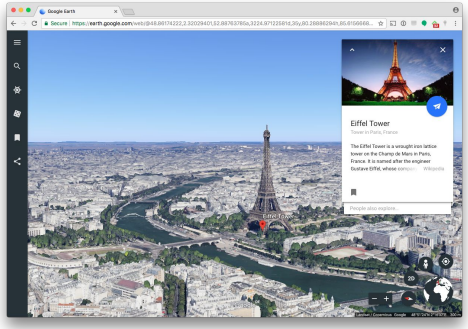
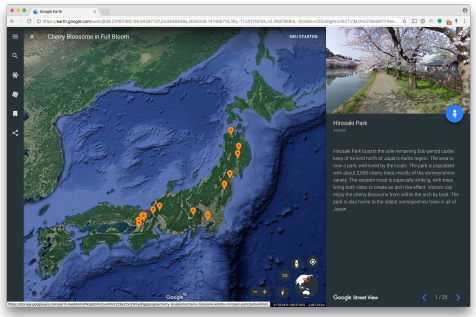

Bummer!

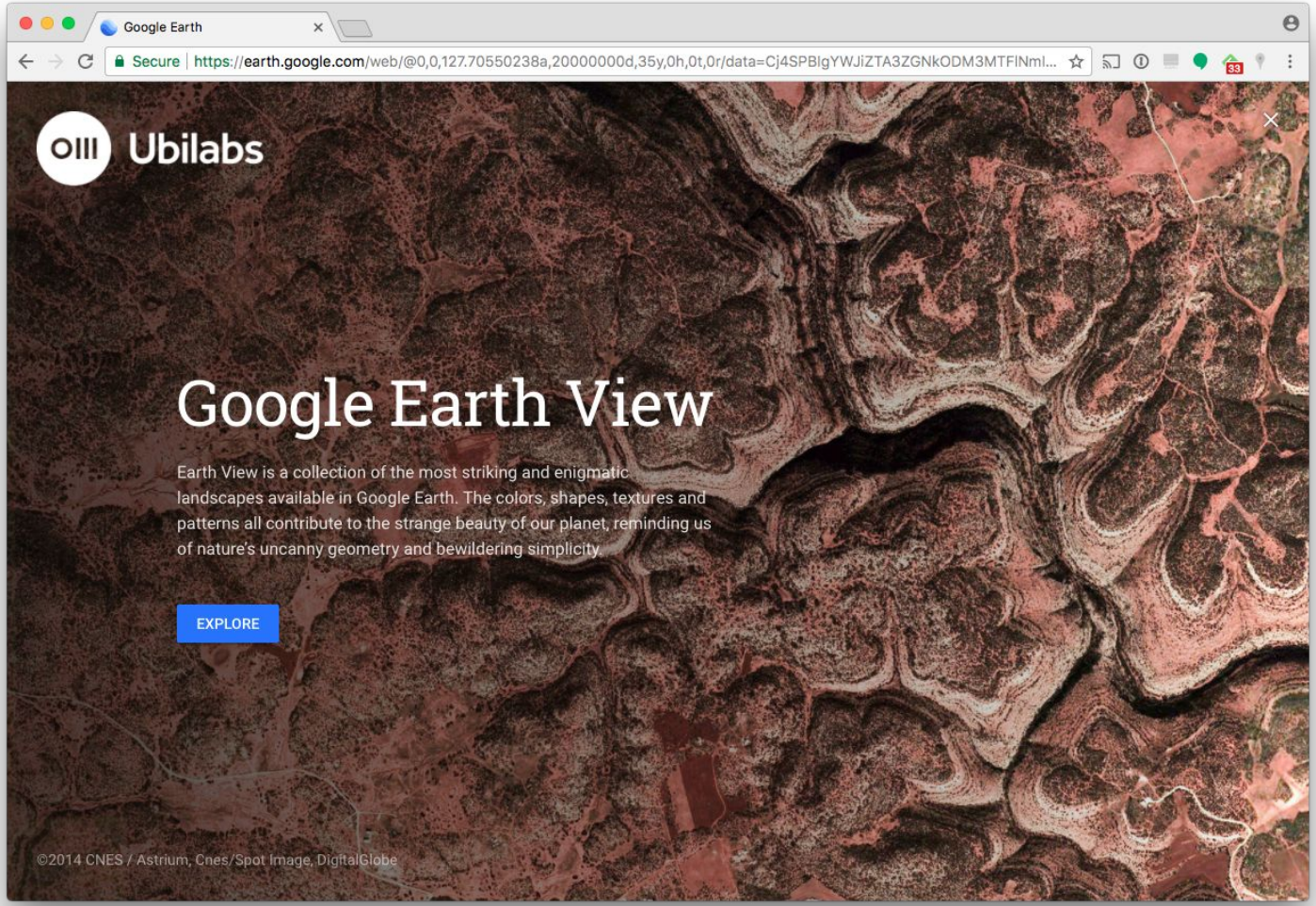
But they made KML a little more sexy

- New balloon types
  - Side panel
  - Fullscreen
  - Knowledge cards
- Link action
  - Fly some where
  - Open a balloon
  - Orbit
  - Hide/Show placemarks
- Styleguides/HTML templates





Challenge accepted!


Google Earth
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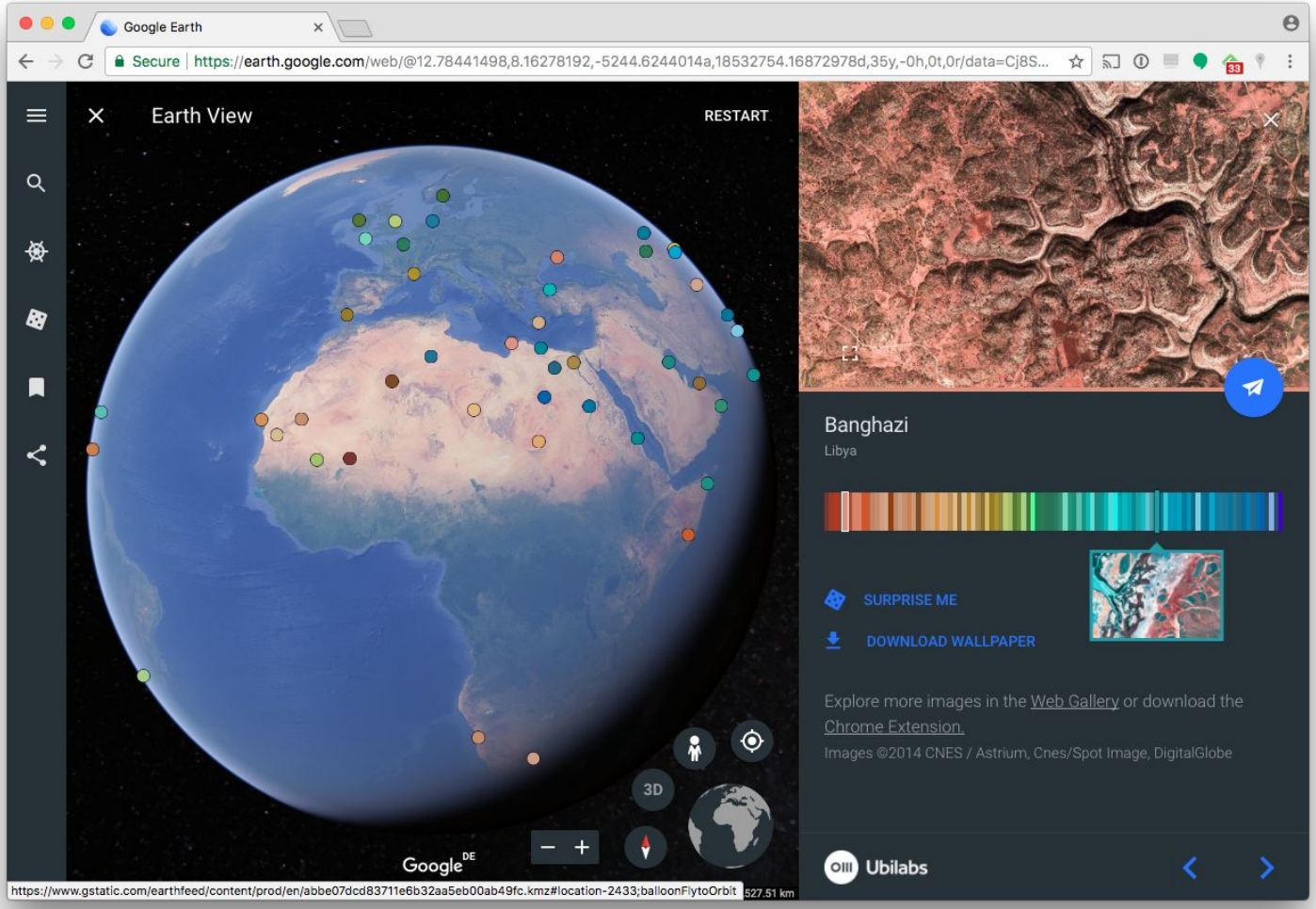
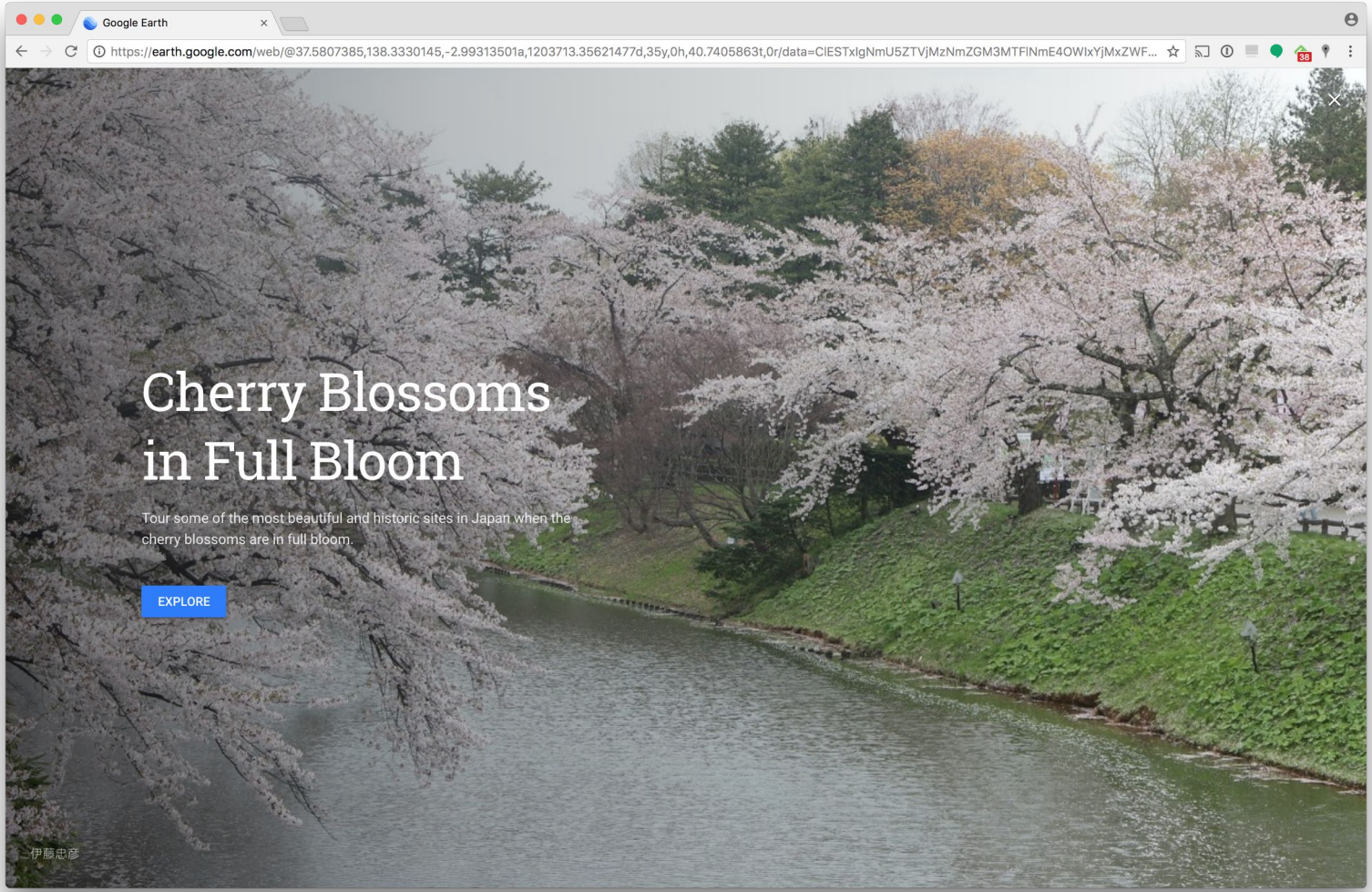
Ubilabs
Google Earth View
Earth View is a collection of the most striking and enigmatic landscapes available in Google Earth. The colors, shapes, textures and patterns all contribute to the strange beauty of our planet, reminding us of nature's uncanny geometry and bewildering simplicity.
EXPLORE
©2014 CNES / Astrium, Cnes/Spot Image, DigitalGlobe


Google Earth
Secure | https://earth.google.com/web/@12.78441498,8.16278192,-5244.6244014a,18532754.16872978d,35y,-0h,0t,0r/data=Cj8S...
Earth View
RESTART
Banghazi
Libya
SURPRISE ME
DOWNLOAD WALLPAPER
Explore more images in the Web Gallery or download the Chrome Extension.
Images ©2014 CNES / Astrium, Cnes/Spot Image, DigitalGlobe
Ubilabs
3D
Google DE
https://www.gstatic.com/earthfeed/content/prod/en/abbe07dcd83711e6b32aa5eb00ab49fc.kmz#location-2433;balloonFlytoOrbit
527.51 km


Google Earth
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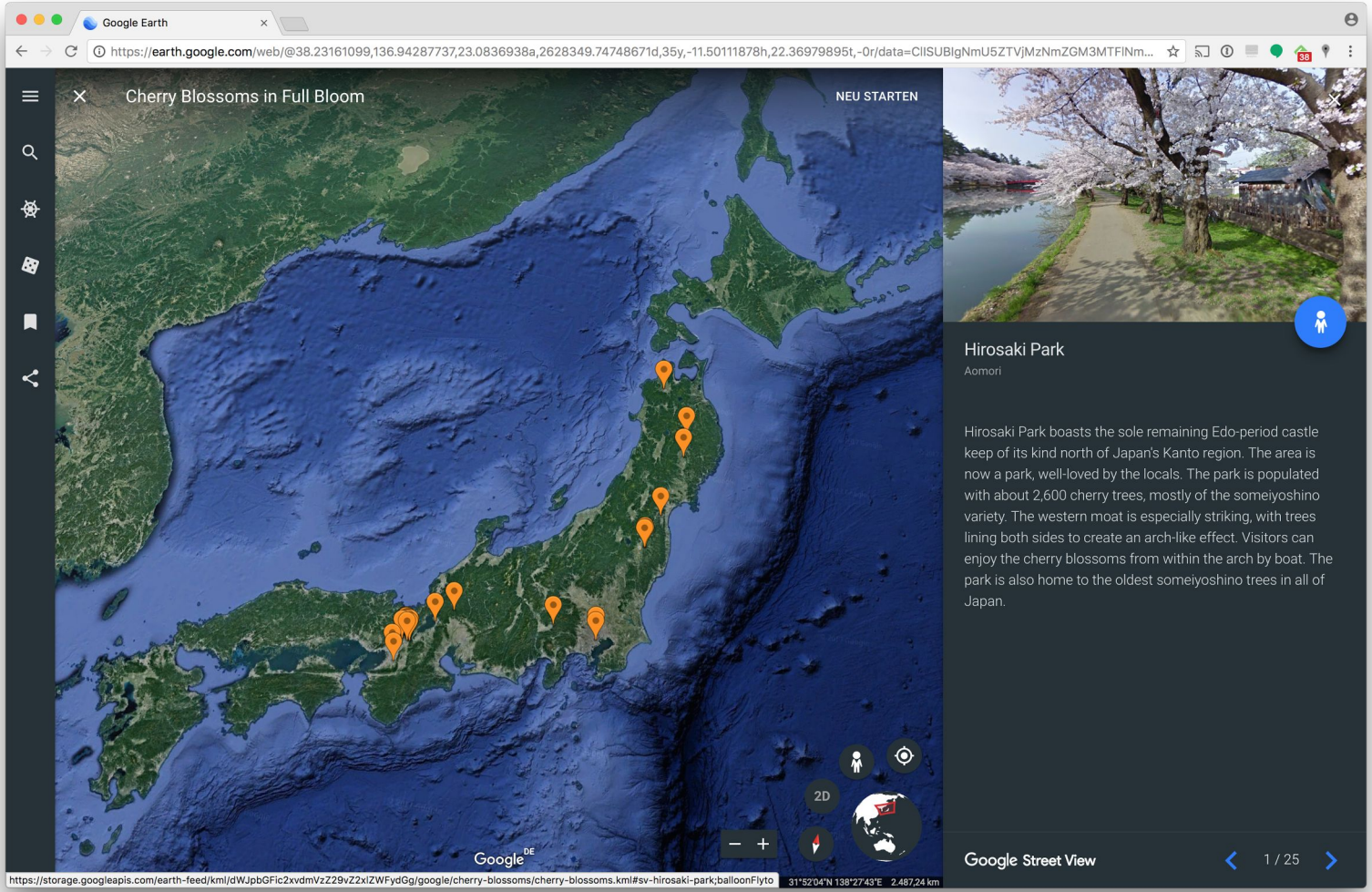
Cherry Blossoms in Full Bloom
Tour some of the most beautiful and historic sites in Japan when the cherry blossoms are in full bloom.
EXPLORE
伊藤忠彦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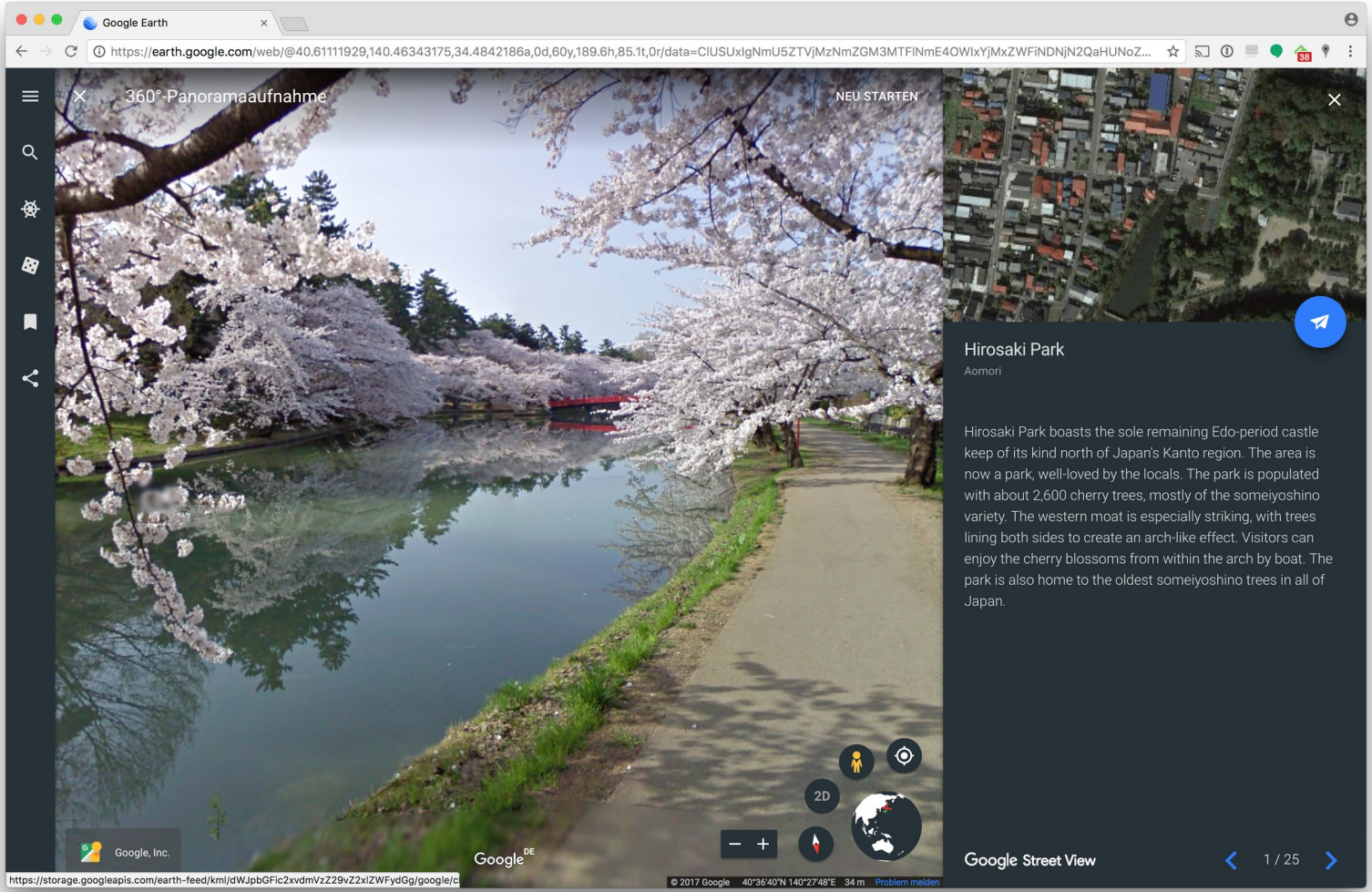
Cherry Blossoms in Full Bloom
NEU STARTEN
Hirosaki Park
Aomori
Hirosaki Park boasts the sole remaining Edo-period castle keep of its kind north of Japan's Kanto region. The area is now a park, well-loved by the locals. The park is populated with about 2,600 cherry trees, mostly of the someiyoshino variety. The western moat is especially striking, with trees lining both sides to create an arch-like effect. Visitors can enjoy the cherry blossoms from within the arch by boat. The park is also home to the oldest someiyoshino trees in all of Japan.
Google Street View
1 / 25
2D
Google DE
https://storage.googleapis.com/earth-feed/kml/dWJpbGFic2xvdmVzZ29vZ2xlZWFydGg/google/cherry-blossoms/cherry-blossoms.kml#sv-hirosaki-park;balloonFlyto
31°52'04"N 138°27'43"E 2.487,24 km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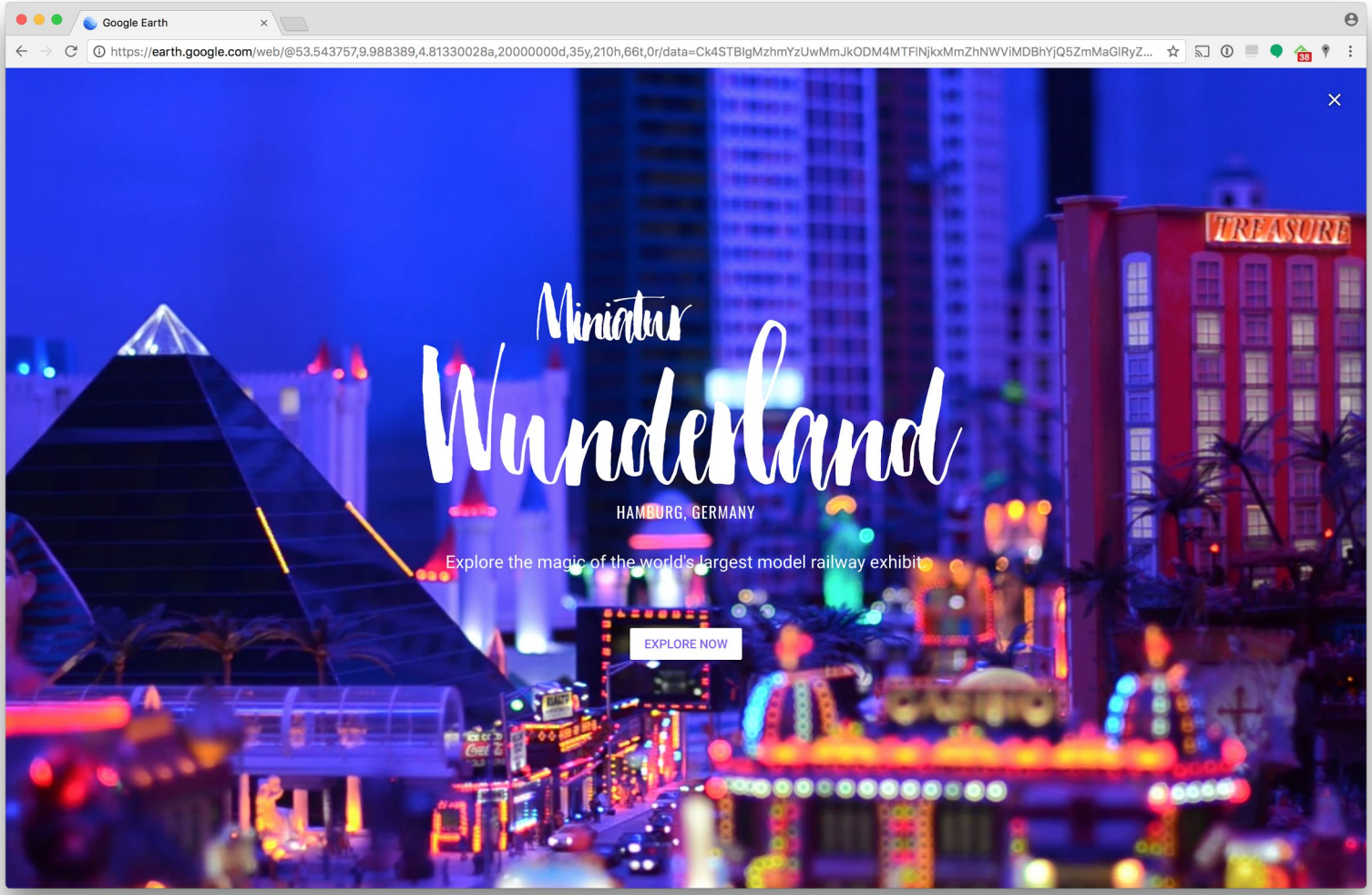
360°-Panoramaaufnahme
NEU STARTEN
Hirosaki Park
Aomori
Hirosaki Park boasts the sole remaining Edo-period castle keep of its kind north of Japan's Kanto region. The area is now a park, well-loved by the locals. The park is populated with about 2,600 cherry trees, mostly of the someiyoshino variety. The western moat is especially striking, with trees lining both sides to create an arch-like effect. Visitors can enjoy the cherry blossoms from within the arch by boat. The park is also home to the oldest someiyoshino trees in all of Japan.
Google Street View
1 / 25
2D
Google, Inc.
Google DE
© 2017 Google 40°36'40"N 140°27'48"E 34 m Problem melden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TREASURE
Miniatur
Wunderland
HAMBURG, GERMANY
Explore the magic of the world's largest model railway exhibit
EXPLORE NOW

Google Earth

https://earth.google.com/web/@50.07409204,9.7599393,-356.80989875a,1952409.93461877d,35y,0h,0.16877012t,-0r/data=CkYSRBlgMzhmYzUwMmJkODM4MTFlNjkxMmZhNW...

Treks: Miniatur Wunderland

INHALTSVERZEICHNIS

Miniatur Wunderland

Minatur Wunderland is a model railway exhibit in Hamburg, Germany. The nearly 16,000 meters of train tracks feature miniaturized versions of several notable spots around the world. Choose a location below to see the exhibit in Minatur Wonderland and its real-life location on the globe.

- Hamburg
- USA
- Alps

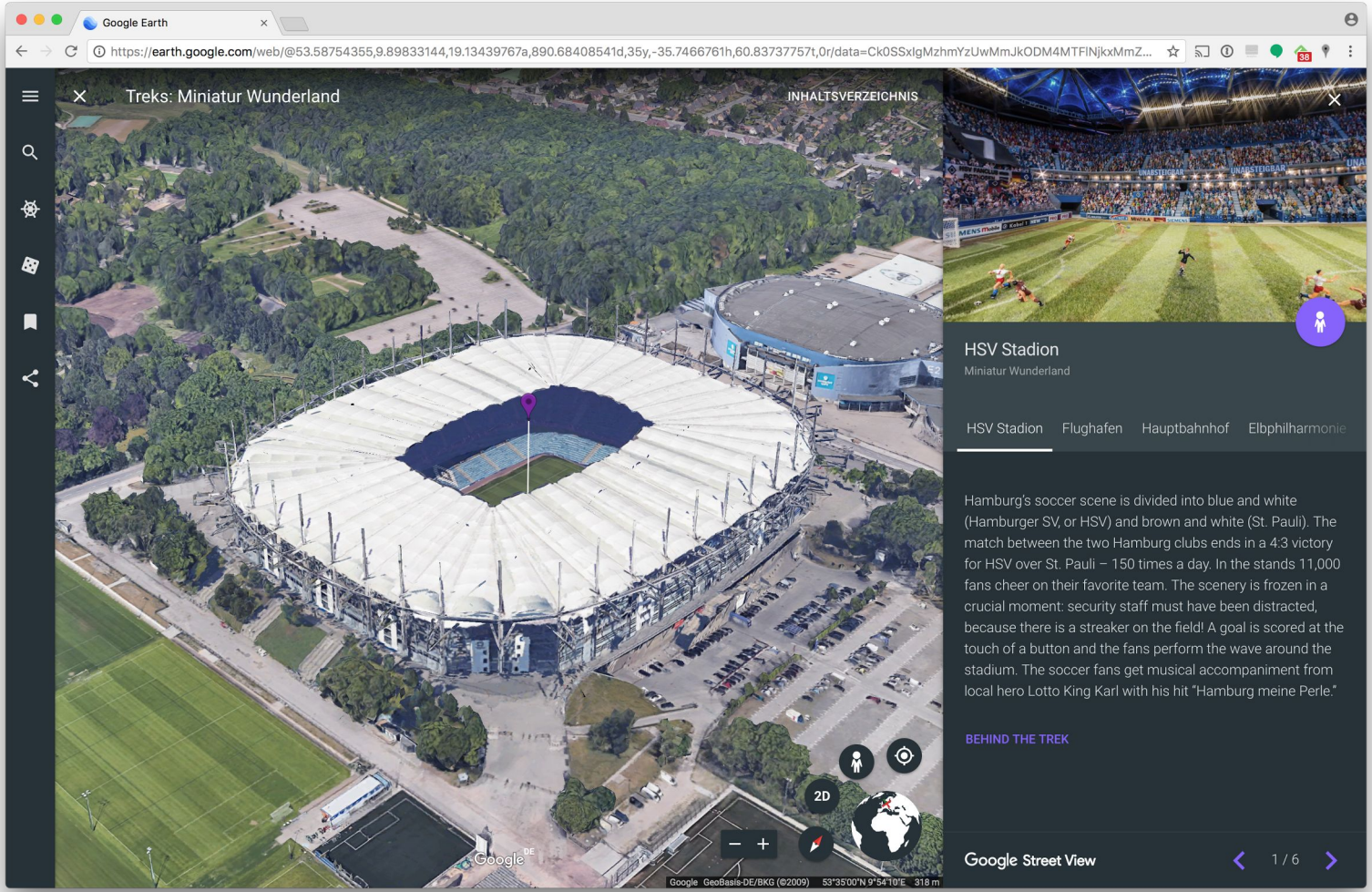
BEHIND THE TREK

Google Street View

3D

Google DE

Data SIO, NOAA, U.S. Navy, NGA, GEBCO GeoBasis-DE/BKG (©2009) Landsat / Copernicus Google 50°02'04"N 9°45'35"E 1.952,05 km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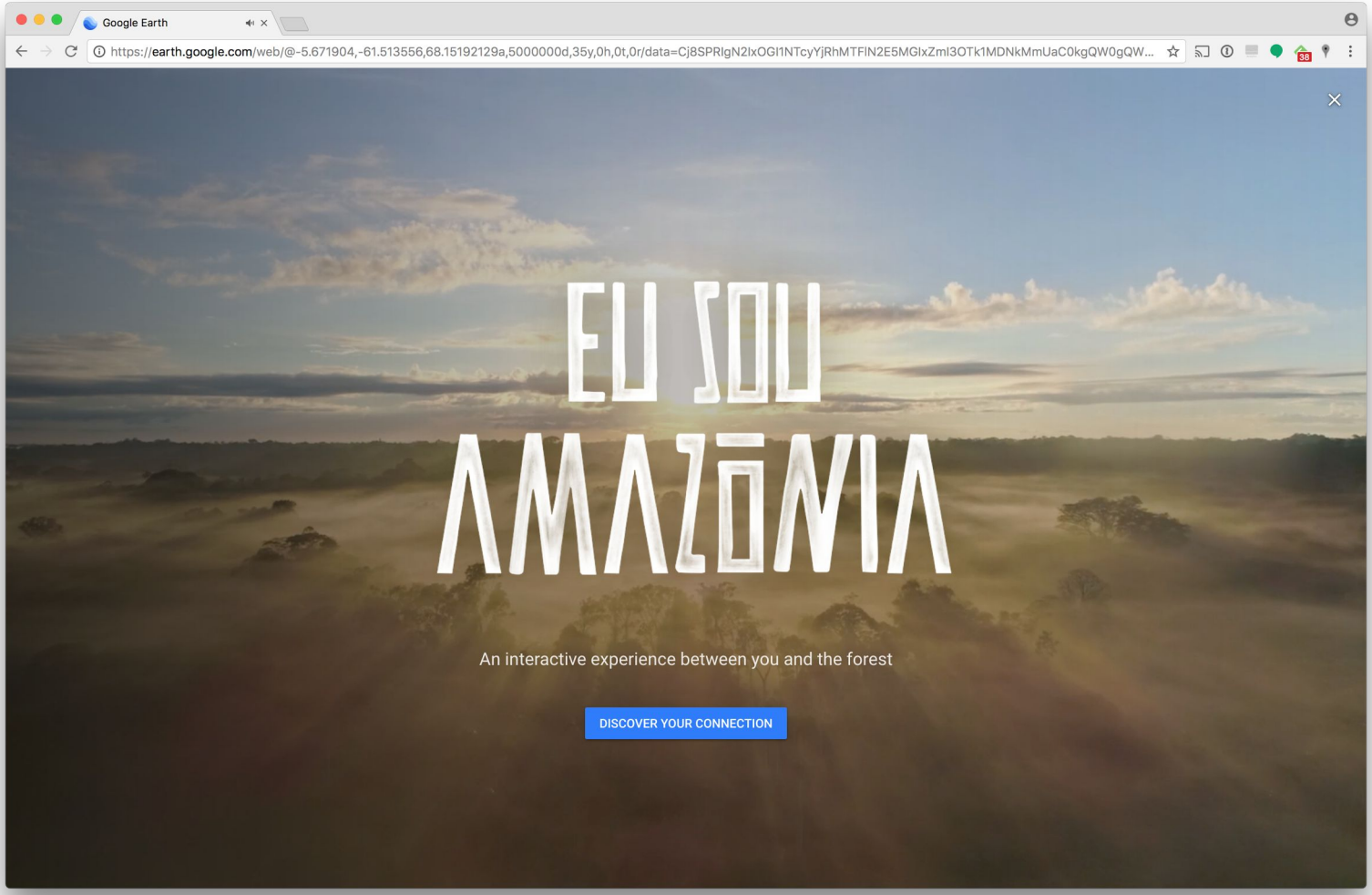
Treks: Miniatur Wunderland
INHALTSVERZEICHNIS
HSV Stadion
Miniatur Wunderland
HSV Stadion
Flughafen
Hauptbahnhof
Elbphilharmonie
Hamburg's soccer scene is divided into blue and white (Hamburger SV, or HSV) and brown and white (St. Pauli). The match between the two Hamburg clubs ends in a 4:3 victory for HSV over St. Pauli – 150 times a day. In the stands 11,000 fans cheer on their favorite team. The scenery is frozen in a crucial moment: security staff must have been distracted, because there is a streaker on the field! A goal is scored at the touch of a button and the fans perform the wave around the stadium. The soccer fans get musical accompaniment from local hero Lotto King Karl with his hit "Hamburg meine Perle."
BEHIND THE TREK
2D
Google
Google GeoBasis-DE/BKG (©2009) 53°35'00"N 9°54'10"E 318 m
Google Street View
1 / 6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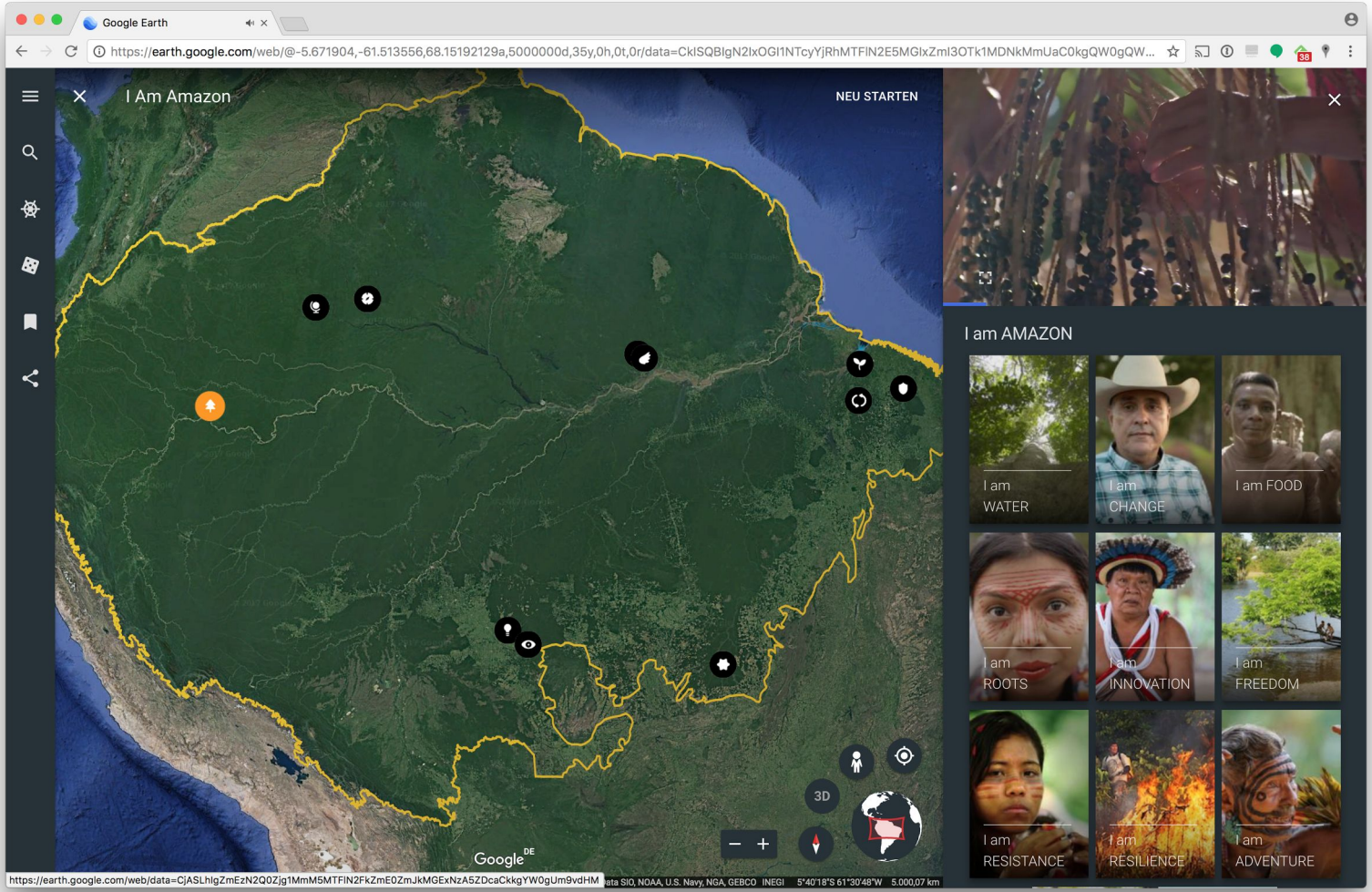
EU SOU
AMAZÔNIA
An interactive experience between you and the forest
DISCOVER YOUR CONNECTION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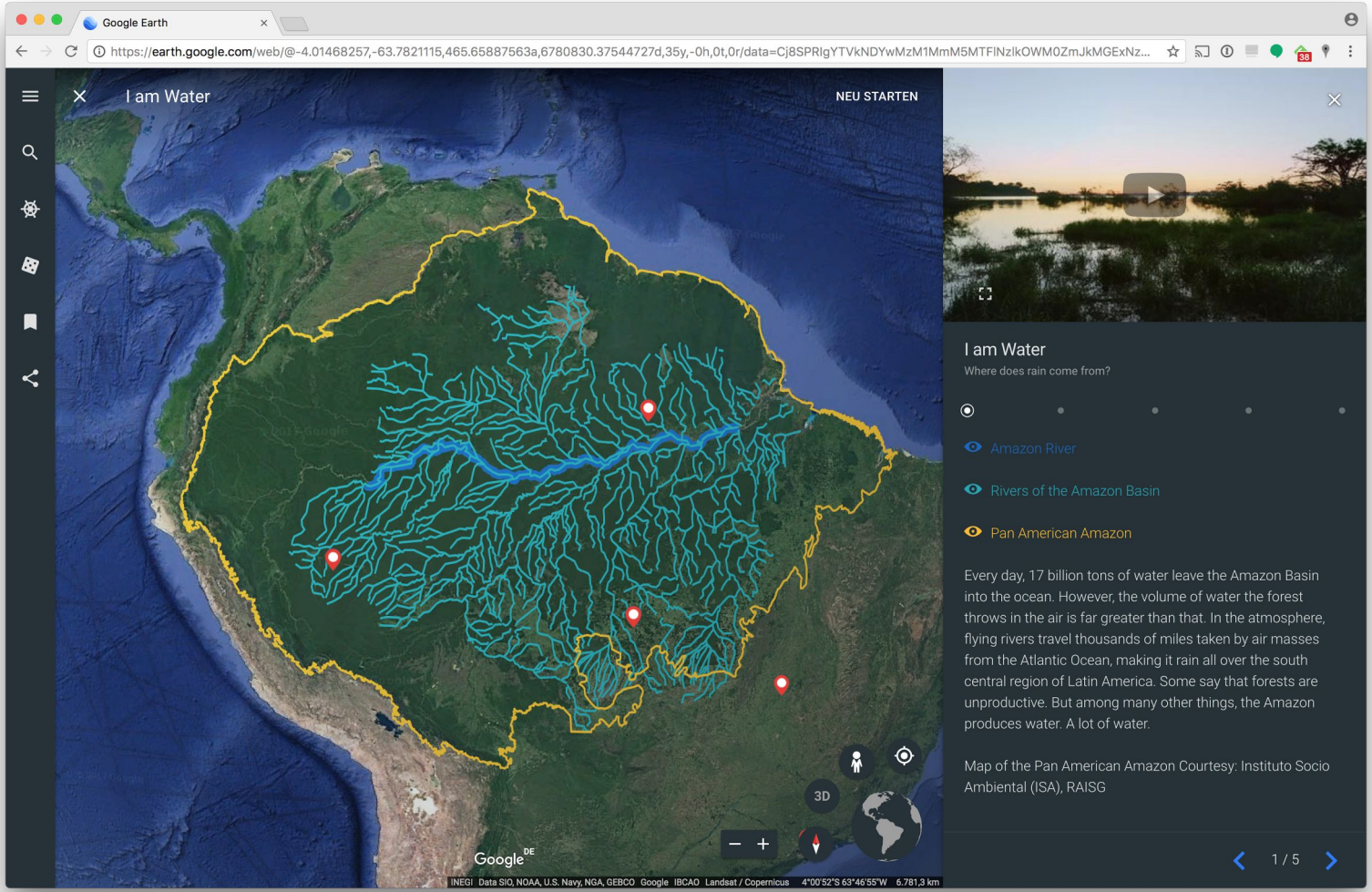
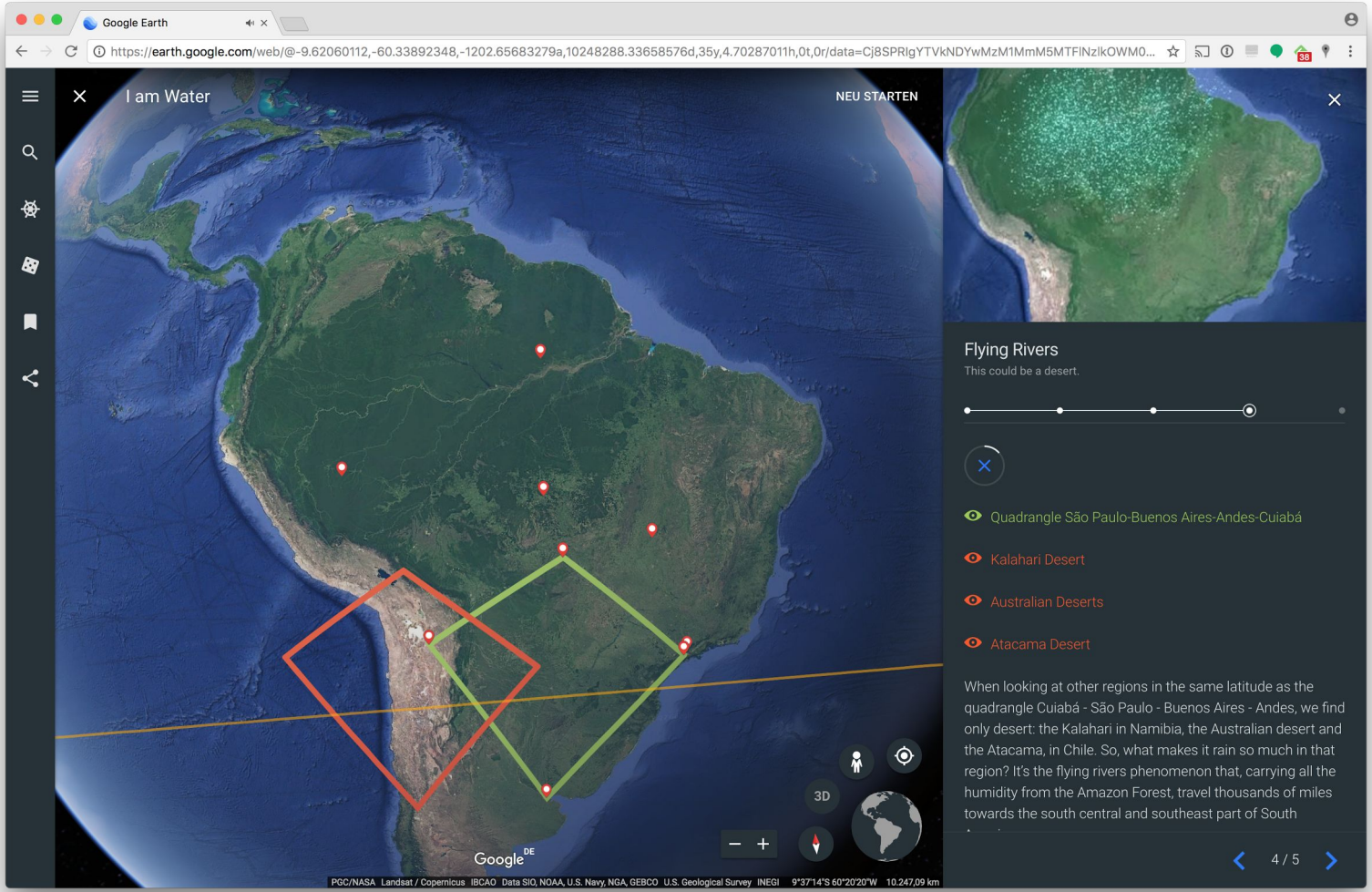
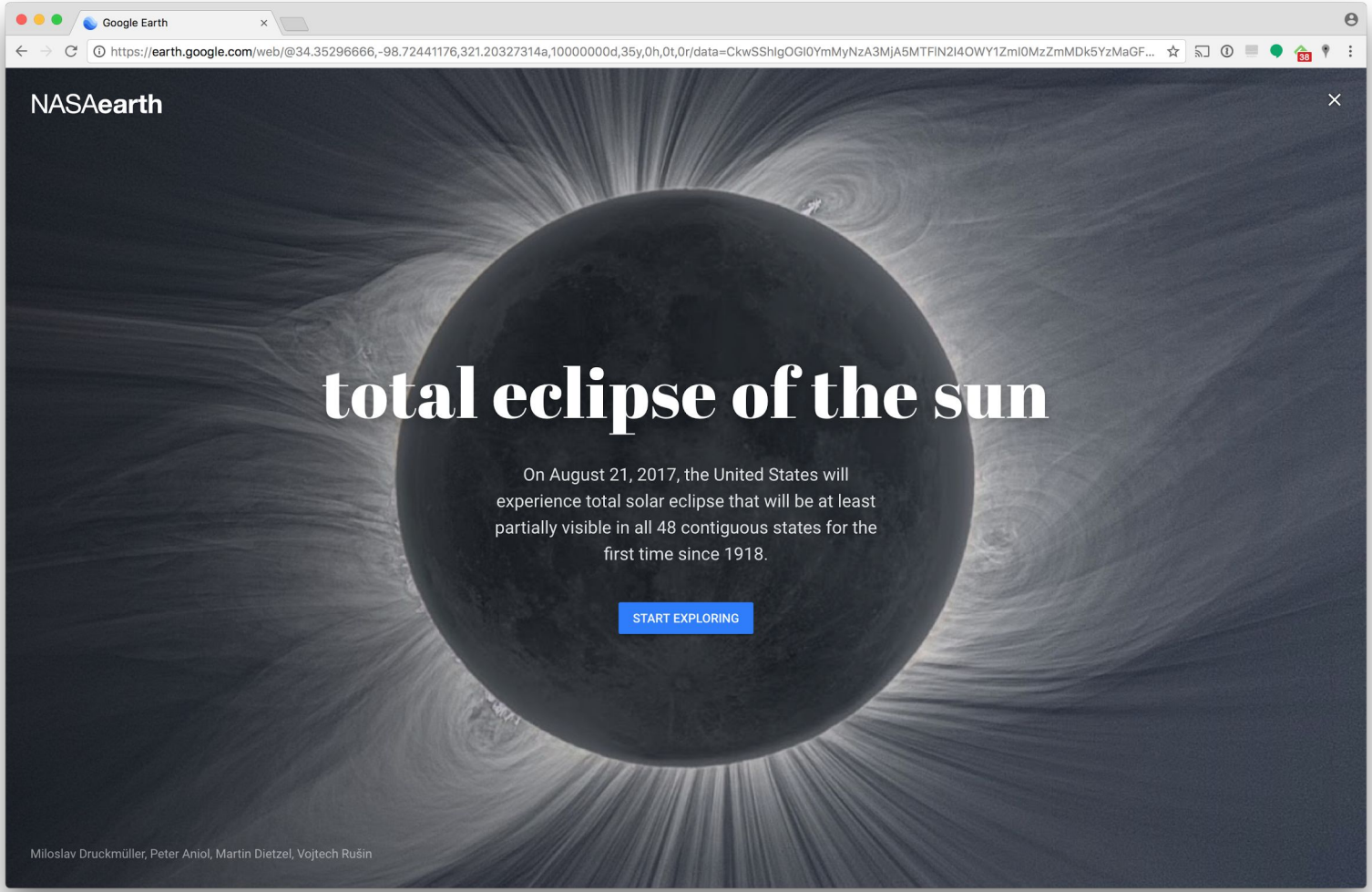
I Am Amazon
NEU STARTEN
I am AMAZON
I am WATER
I am CHANGE
I am FOOD
I am ROOTS
I am INNOVATION
I am FREEDOM
I am RESISTANCE
I am RESILIENCE
I am ADVENTURE
3D
Google
https://earth.google.com/web/data=CjASLhlgZmEzN2Q0Zjg1MmM5MTFlN2FkZmE0ZmJkMGExNzA5ZDcaCkkgYW0gUm9vdHM


Google Earth
https://earth.google.com/web/@-4.01468257,-63.7821115,465.65887563a,6780830.37544727d,35y,-0h,0t,0r/data=Cj8SPRlgYTVkNDYwMzM1MmM5MTFlNzlkOWM0ZmJkMGExNz...
I am Water
NEU STARTEN
3D
Google
INEGI Data SIO, NOAA, U.S. Navy, NGA, GEBCO Google IBCAO Landsat / Copernicus 4°00'52"S 63°46'55"W 6.781,3 km
I am Water
Where does rain come from?
Amazon River
Rivers of the Amazon Basin
Pan American Amazon
Every day, 17 billion tons of water leave the Amazon Basin into the ocean. However, the volume of water the forest throws in the air is far greater than that. In the atmosphere, flying rivers travel thousands of miles taken by air masses from the Atlantic Ocean, making it rain all over the south central region of Latin America. Some say that forests are unproductive. But among many other things, the Amazon produces water. A lot of water.
Map of the Pan American Amazon Courtesy: Instituto Socio Ambiental (ISA), RAISG
1 / 5


Google Earth
https://earth.google.com/web/@-9.62060112,-60.33892348,-1202.65683279a,10248288.33658576d,35y,4.70287011h,0t,0r/data=Cj8SPRIgYTVkNDYwMzM1MmM5MTFlNzlkOWM0...
I am Water
NEU STARTEN
Flying Rivers
This could be a desert.
Quadrangle São Paulo-Buenos Aires-Andes-Cuiabá
Kalahari Desert
Australian Deserts
Atacama Desert
When looking at other regions in the same latitude as the quadrangle Cuiabá - São Paulo - Buenos Aires - Andes, we find only desert: the Kalahari in Namibia, the Australian desert and the Atacama, in Chile. So, what makes it rain so much in that region? It's the flying rivers phenomenon that, carrying all the humidity from the Amazon Forest, travel thousands of miles towards the south central and southeast part of South
4 / 5
3D
Google
PGC/NASA Landsat / Copernicus IBCAO Data SIO, NOAA, U.S. Navy, NGA, GEBCO U.S. Geological Survey INEGI 9°37'14"S 60°20'20"W 10.247,09 km


Google Earth
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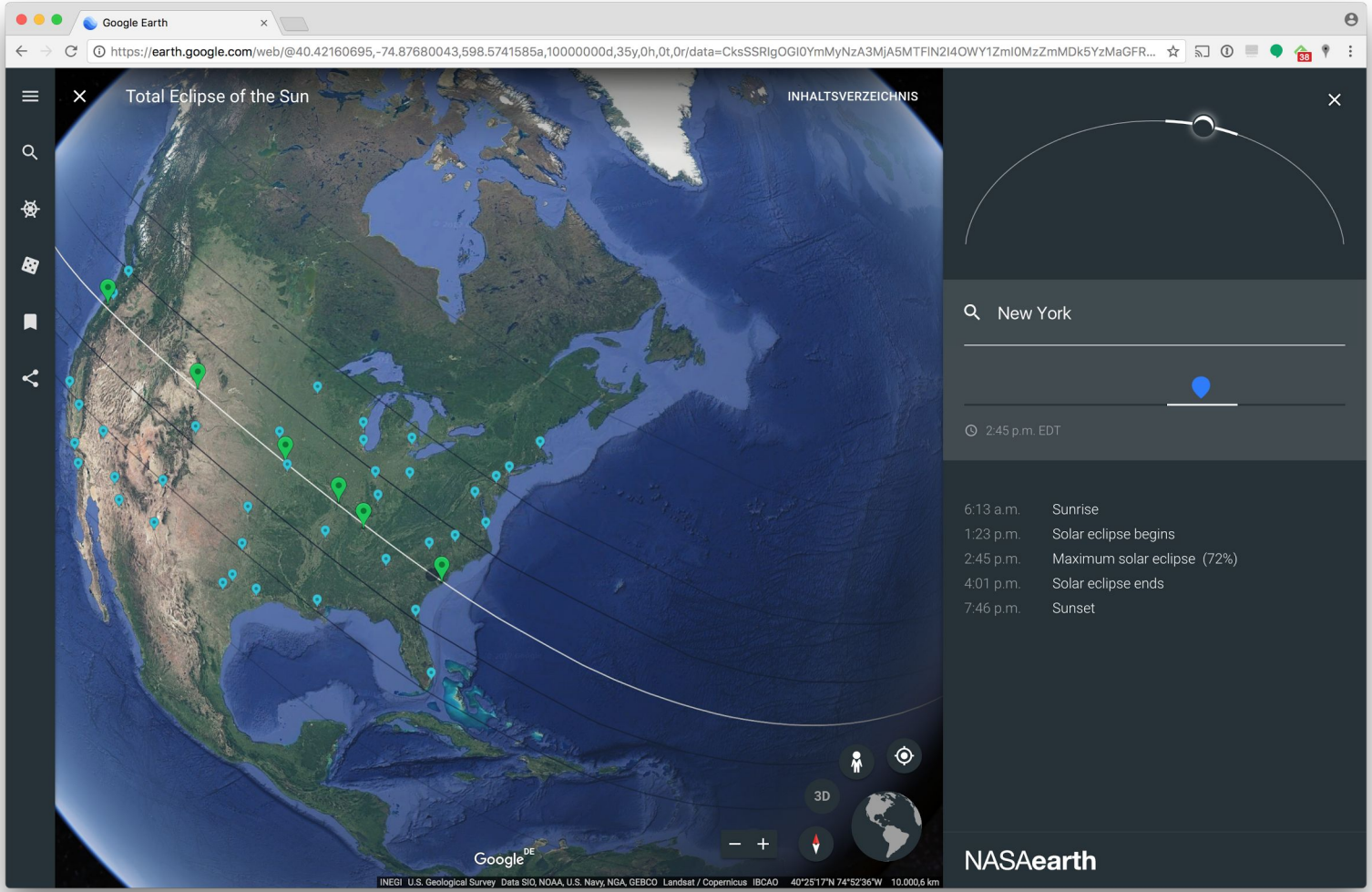
NASAearth
total eclipse of the sun
On August 21, 2017, the United States will experience total solar eclipse that will be at least partially visible in all 48 contiguous states for the first time since 1918.
START EXPLORING
Miloslav Druckmüller, Peter Aniol, Martin Dietzel, Vojtech Rušin


Google Earth
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Total Eclipse of the Sun
INHALTSVERZEICHNIS
New York
2:45 p.m. EDT
6:13 a.m. Sunrise
1:23 p.m. Solar eclipse begins
2:45 p.m. Maximum solar eclipse (72%)
4:01 p.m. Solar eclipse ends
7:46 p.m. Sunset
3D
Google
INEGI U.S. Geological Survey Data SIO, NOAA, U.S. Navy, NGA, GEBCO Landsat / Copernicus IBCAO 40°25'17"N 74°52'36"W 10.000,6 km
NASAearth

It is a lot of fun

ottos mops

ottos mops trotzt
otto: fort mops fort
ottos mops hopst fort
otto: soso

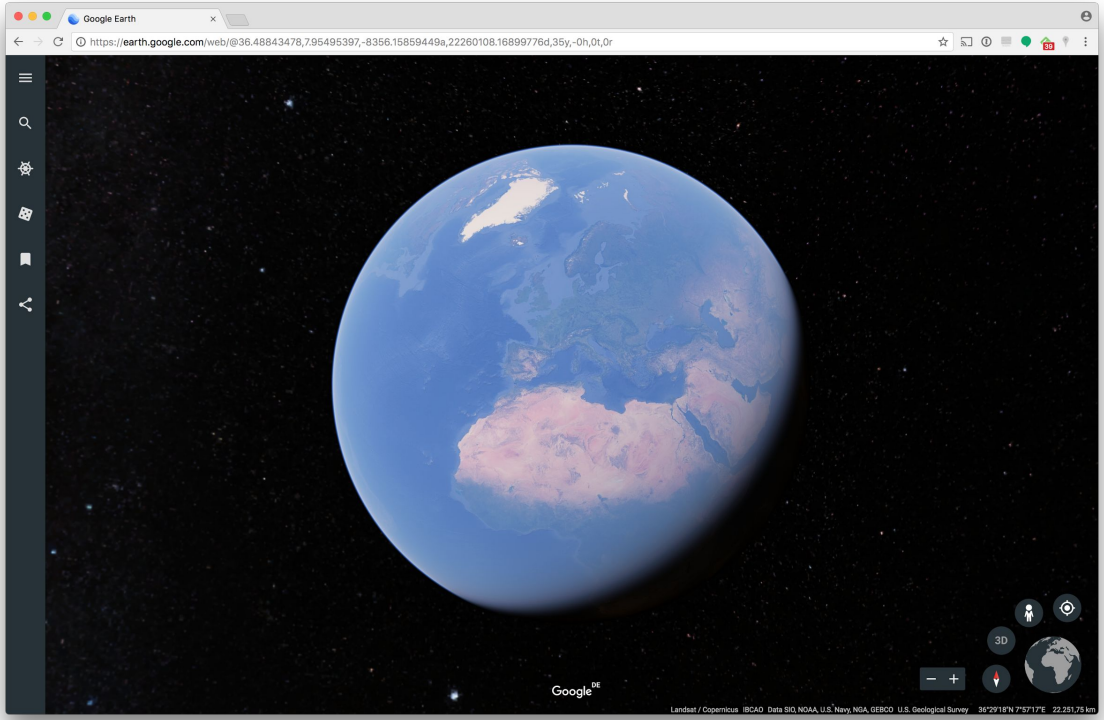
otto holt koks
otto holt obst
otto horcht
otto: mops mops
otto hofft

ottos mops klopft
otto: komm mops komm
ottos mops kommt
ottos mops kotzt
otto: ogottogott

Ernst Jandl

And further...

- We are dreaming KML by now
- Translation is tricky
- Mobile fragmentation :(
  - iOS → “this font is too small, I make it larger for you!”
  - Android 4.4
- Font fallback for Japanese fonts
- Persistence
- For christmas, we wish us a Javascript API!
- Our Earth is great!



earth.google.com/web

Patrick Mast, mast@ubilabs.net