

08 LOVE PLANET EARTH

The effects of global warming are being felt, most notably in the coldest regions on Earth. Alaska, Siberia and Antarctica are the first areas to show the visible signs of our planet's suffering. The International Polar Year 2008 is the most important one since scientists began monitoring these highly fragile and vital ecosystems. The Arctic and Antarctic regions play a key role in regulating the Planet's temperatures and weather systems. Understanding this mechanism is the great challenge of science, which urgently needs continuous, global and highly detailed imagery data. Telespazio's satellite images help to write history and to open a window to our future.



C-19 iceberg, Ross Sea, Antarctica

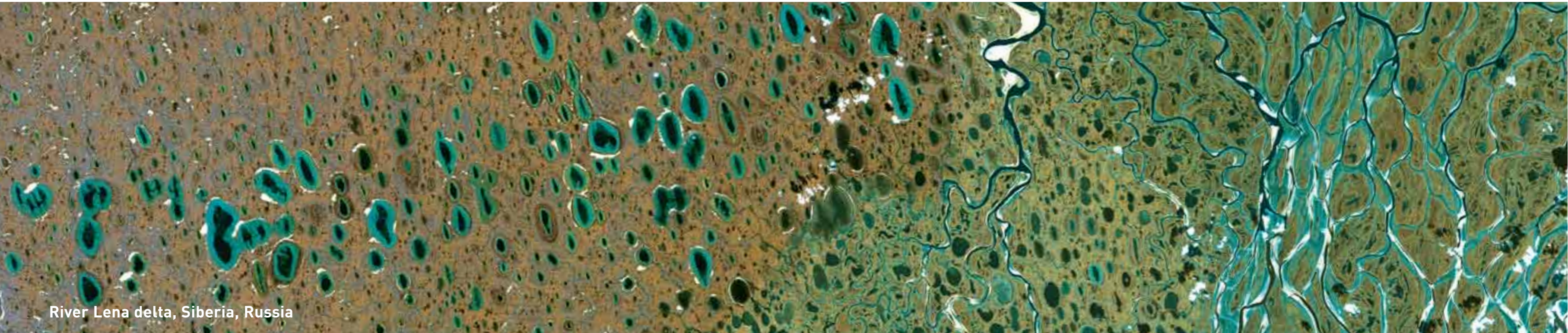
Large icebergs calving from the ice cap, put penguins in peril as their access to the sea is blocked.

01_JAN

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02_FEB

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River Lena delta, Siberia, Russia

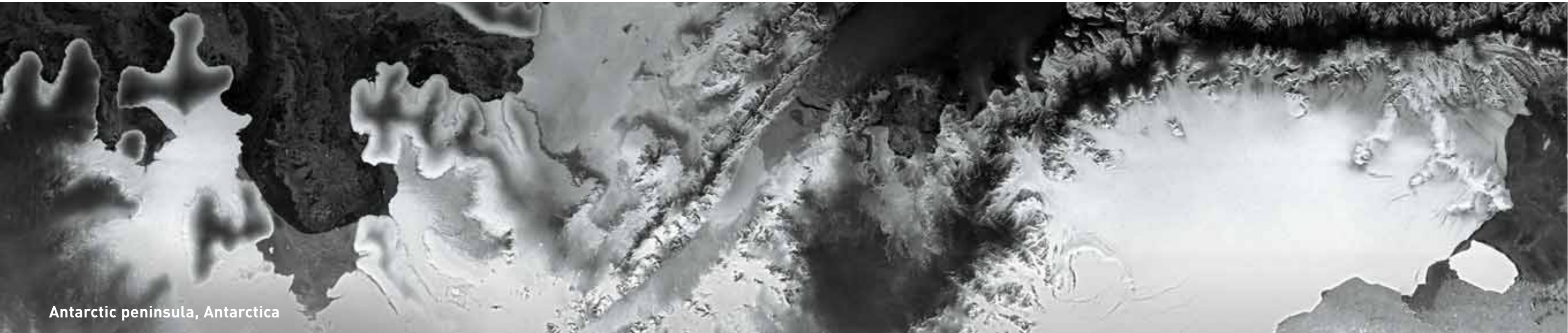
Arctic exploration for gas and oil is proceeding rapidly, putting delicate ecosystems at risk.

03_MAR

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04_APR

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Antarctic peninsula, Antarctica

The quantity of Krill, the main food for whales, seals and seabirds, has declined by 80% since the 1970s.

05_MAY

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06_JUN

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Baffin island, Canada

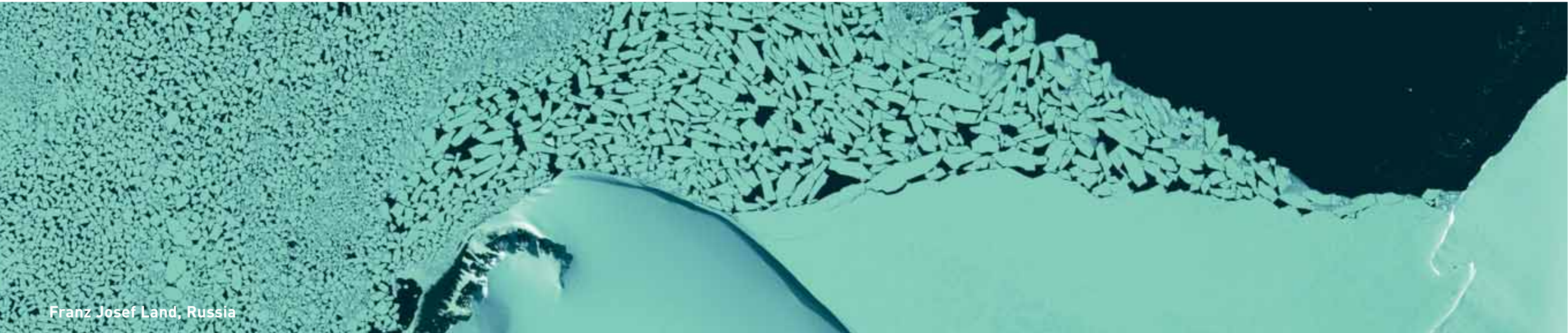
The fabled Northwest Passage was fully navigable for several weeks in 2007, for the first time since records began.

07_JUL

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08_AUG

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Franz Josef Land, Russia

In 2006 the Polar bear was listed as "Vulnerable" in the Red List of Threatened Species, due to global warming and contaminants.

09_SEP

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10_OCT

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Ellesmere Island, Canada

The Inuit are among the Planet's environmental refugees as the permafrost on which they live continues to thaw.

11_NOV

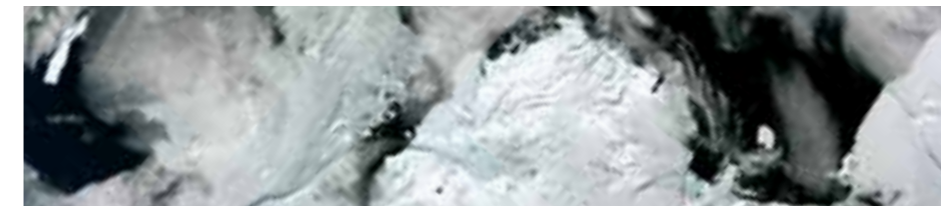
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12_DEC

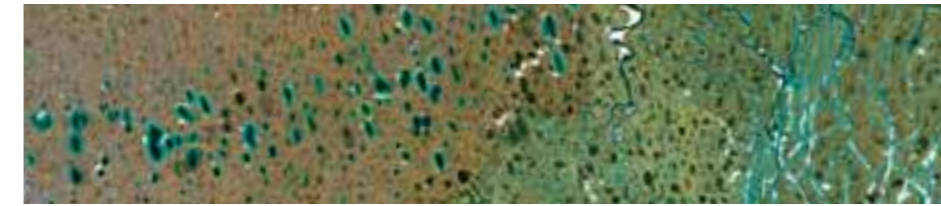
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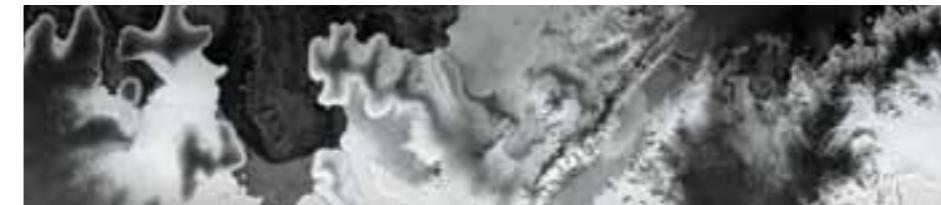
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C-19 iceberg, Ross Sea, Antarctica
67° S, 165° W
<http://www.telespazio.com/calendar/ross.html>
MODIS © NASA/GSFC



River Lena delta, Siberia, Russia
73° 10' N, 126° 11' E
<http://www.telespazio.com/calendar/lena.html>
Landsat © US Geological Survey



Antarctic peninsula, Antarctica
63° 21' S, 58° 12' W
http://www.telespazio.com/calendar/ant_peninsula.html
Envisat © ESA



Baffin island, Canada
73° 30' N, 81° 00' W
http://www.telespazio.com/calendar/nw_passage.html
COSMO-SkyMed © ASI / Italian MoD



Franz Josef Land, Russia
80° 05' N, 48° 05' E
http://www.telespazio.com/calendar/f_josef.html
Quick Bird © Digitalglobe



Ellesmere Island, Canada
79° 15' N, 90° 05' W
<http://www.telespazio.com/calendar/ellesmere.html>
MODIS © NASA/GSFC