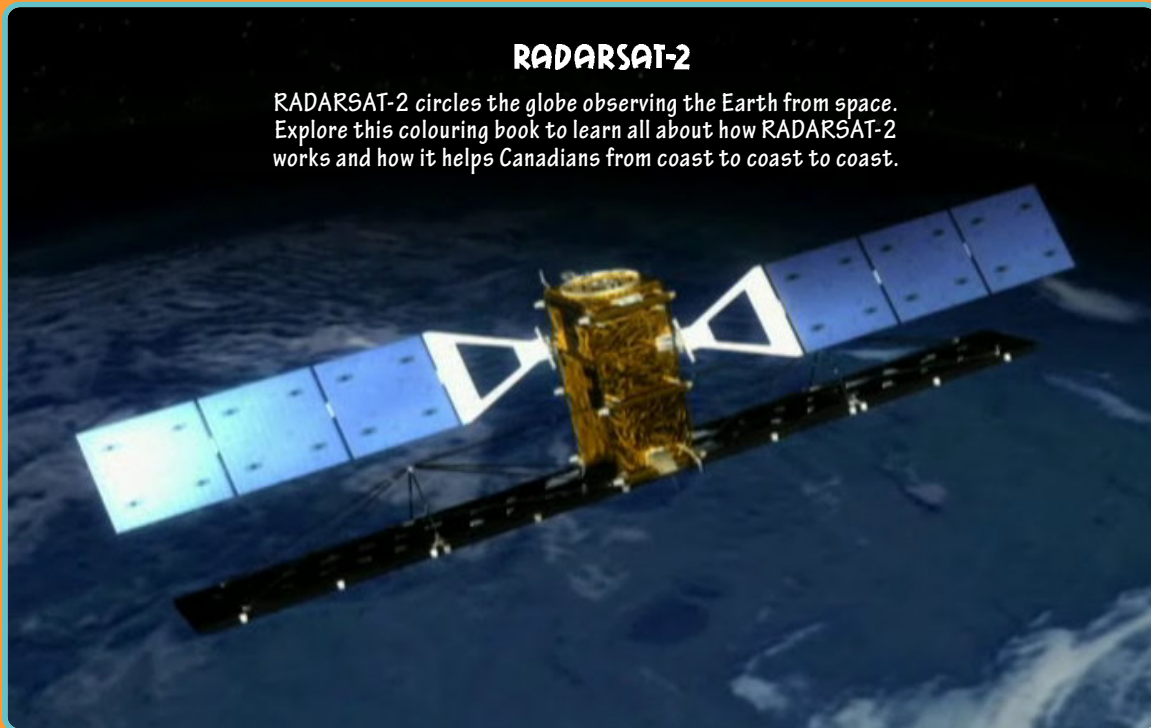


RADARSAT-2

RADARSAT-2 circles the globe observing the Earth from space. Explore this colouring book to learn all about how RADARSAT-2 works and how it helps Canadians from coast to coast to coast.

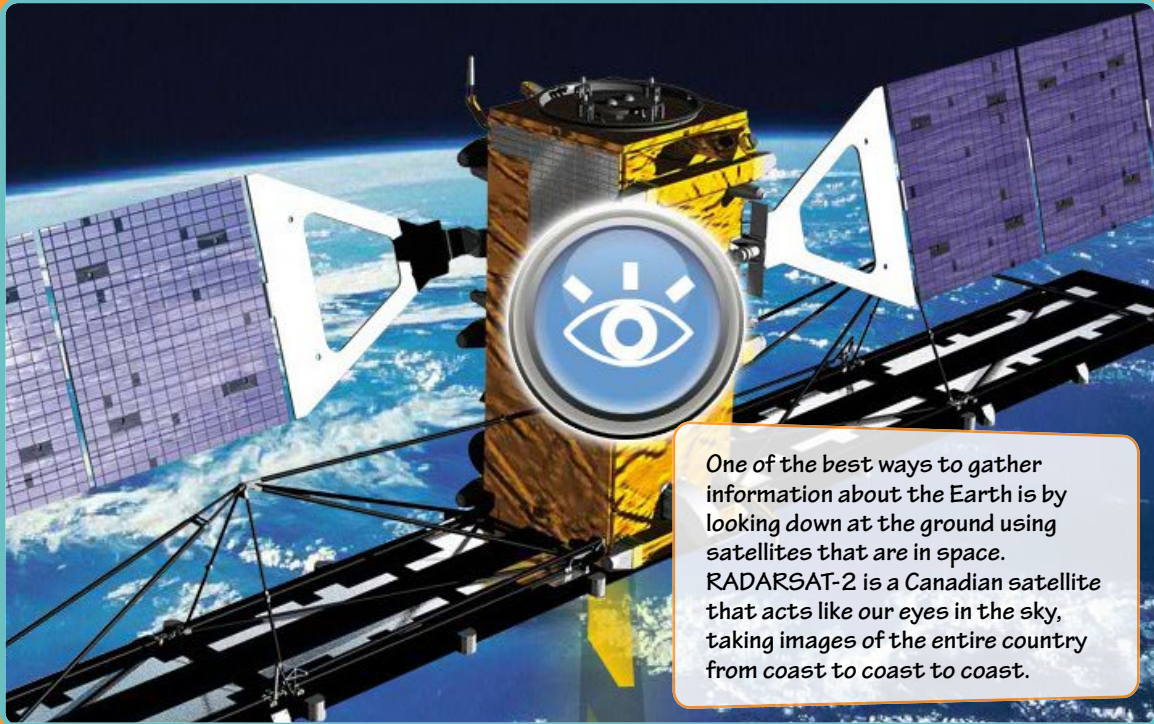


www.asc-csa.gc.ca



Canada is a large country with different landscapes and climates. Across the country many different people, from farmers to captains of ships need information about their environment to do their job well.

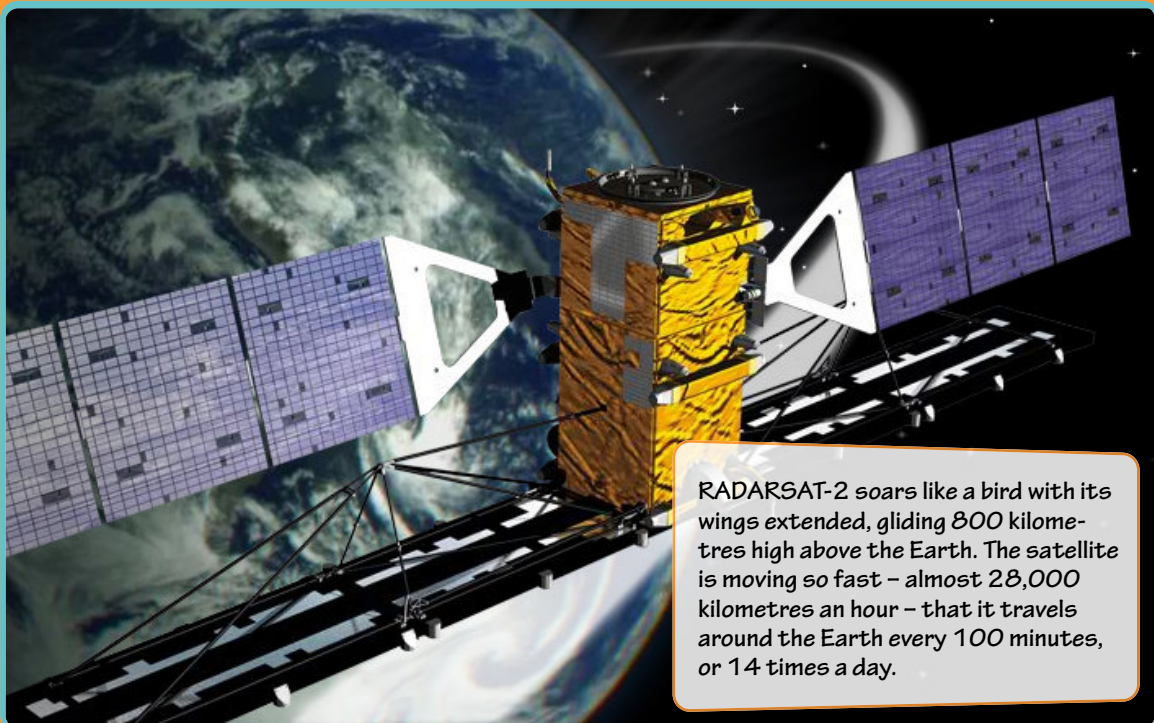
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One of the best ways to gather information about the Earth is by looking down at the ground using satellites that are in space. RADARSAT-2 is a Canadian satellite that acts like our eyes in the sky, taking images of the entire country from coast to coast to coast.

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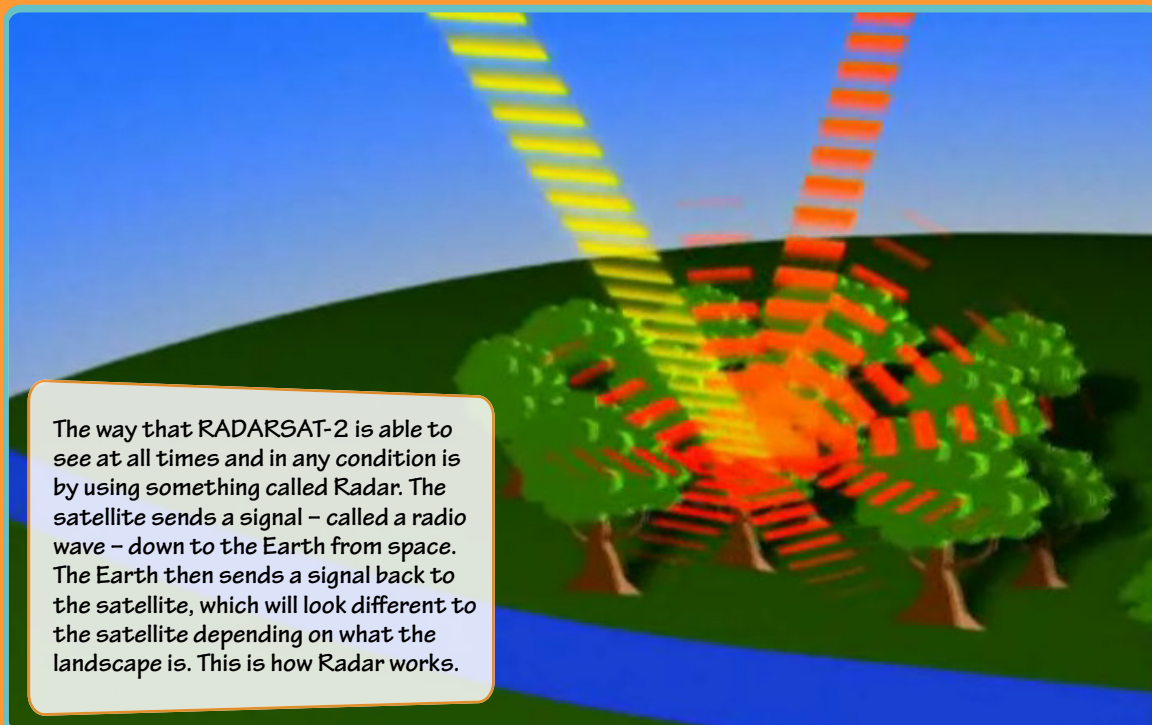
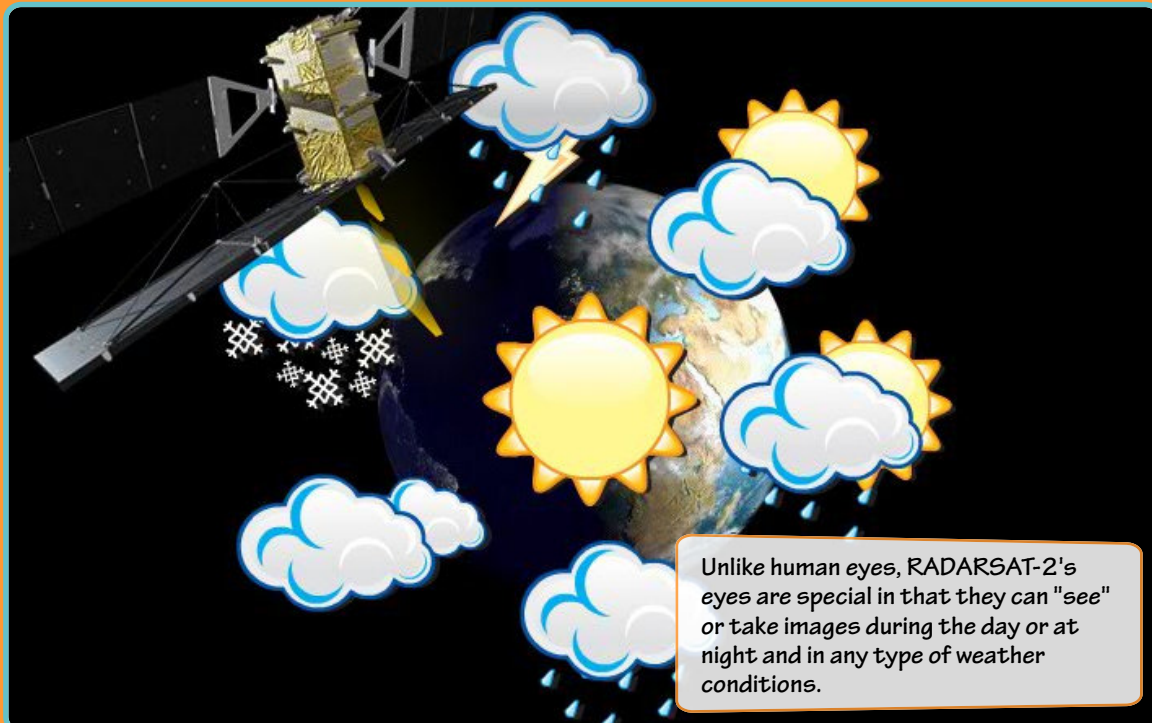
2

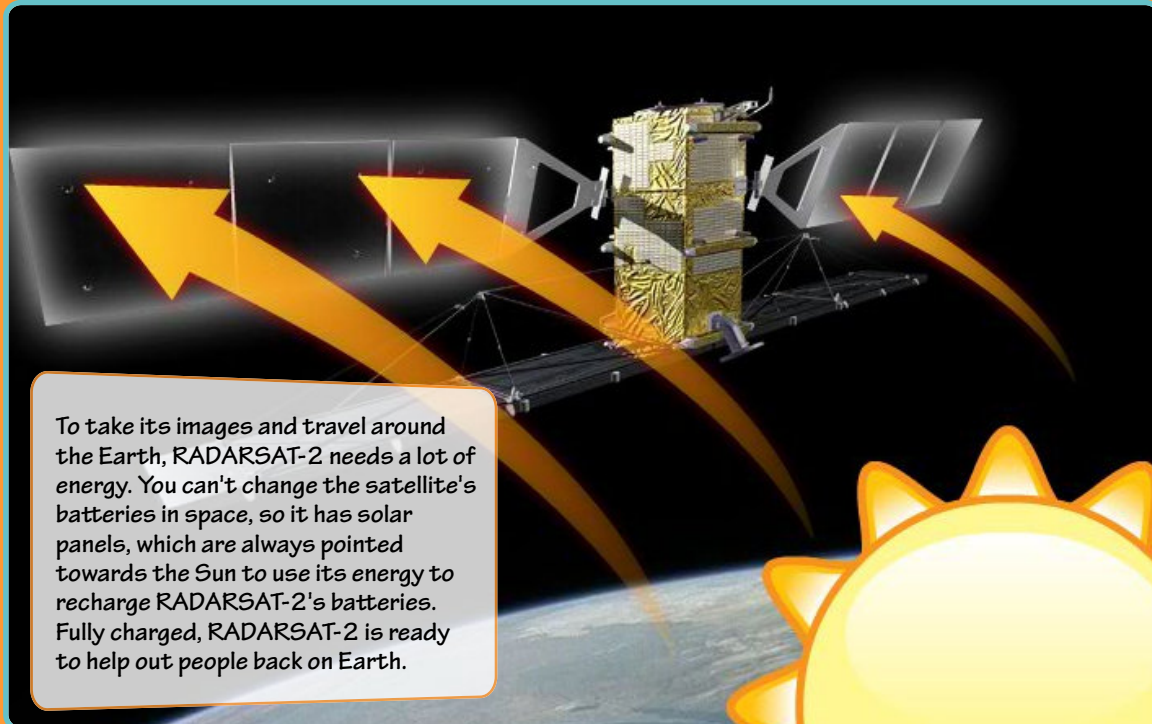


RADARSAT-2 soars like a bird with its wings extended, gliding 800 kilometres high above the Earth. The satellite is moving so fast – almost 28,000 kilometres an hour – that it travels around the Earth every 100 minutes, or 14 times a day.

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3





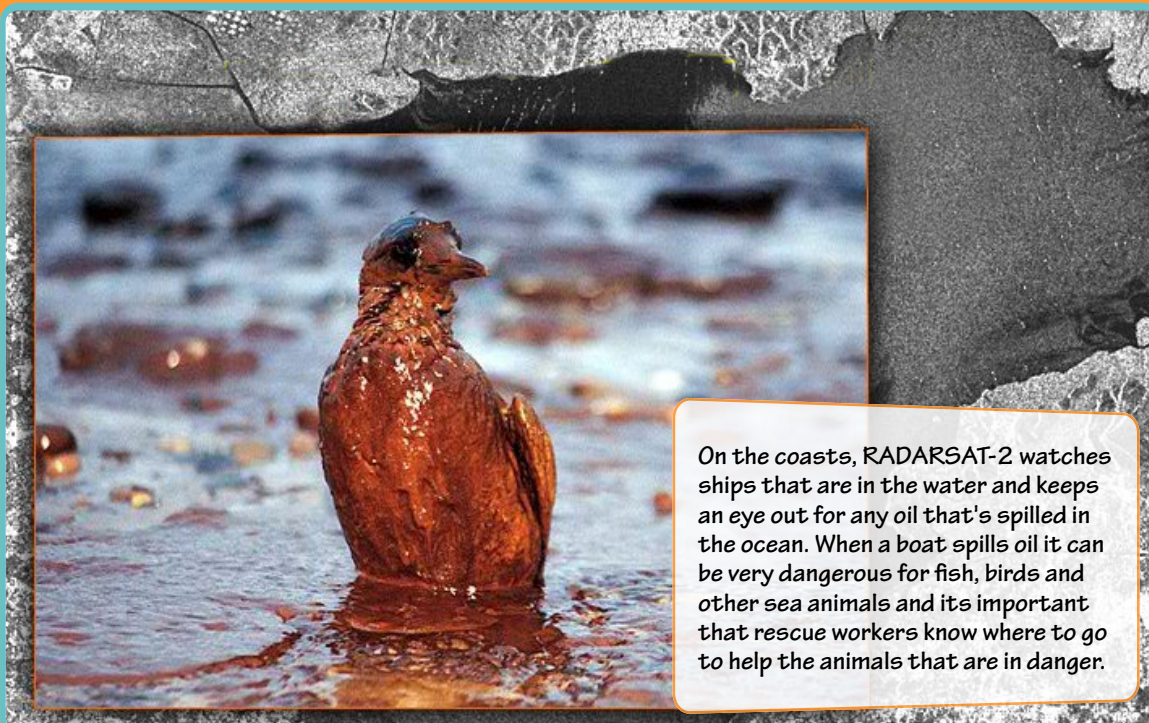
To take its images and travel around the Earth, RADARSAT-2 needs a lot of energy. You can't change the satellite's batteries in space, so it has solar panels, which are always pointed towards the Sun to use its energy to recharge RADARSAT-2's batteries. Fully charged, RADARSAT-2 is ready to help out people back on Earth.



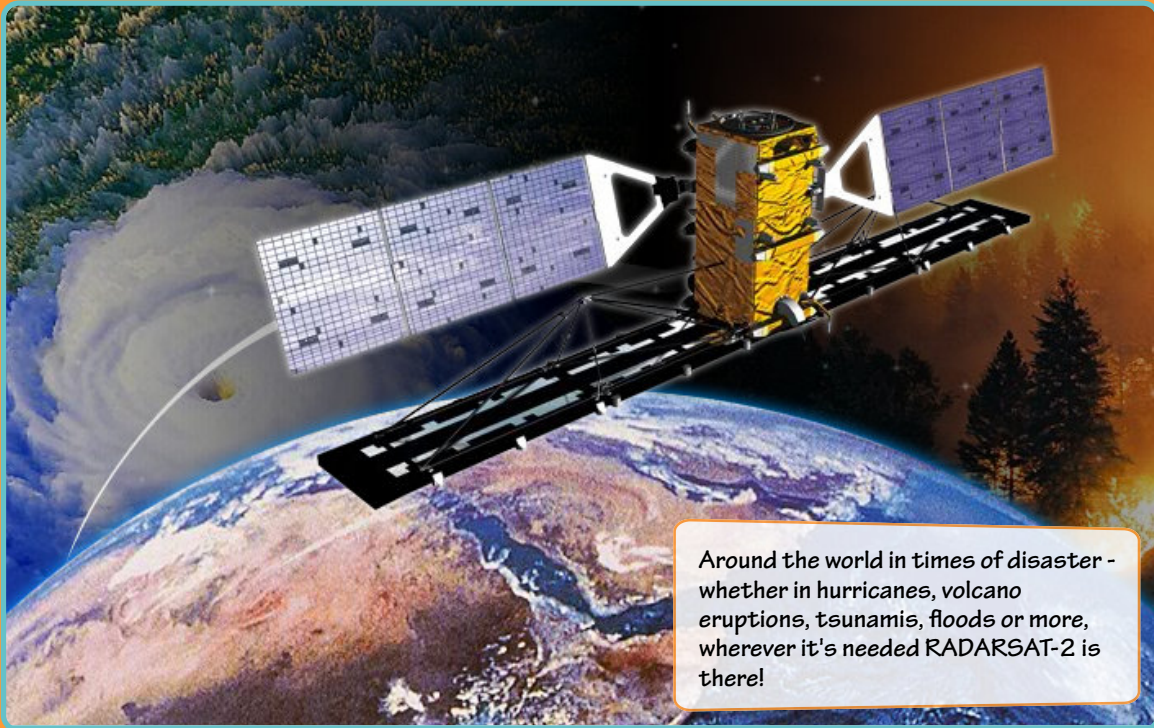
In Canada's north, ships sailing through the Arctic Ocean need to know where the ice and icebergs are located. RADARSAT-2 lets them steer their boats safely through this dangerous water by providing images of where the ice and icebergs are directly to the captains on the ship each day.



In the prairies, farmers need to know where the best places in the soil are to plant their seeds for their limited growing season. RADARSAT-2 gives them information on where to plant and then helps monitor how healthy their crops are as they grow.



On the coasts, RADARSAT-2 watches ships that are in the water and keeps an eye out for any oil that's spilled in the ocean. When a boat spills oil it can be very dangerous for fish, birds and other sea animals and it's important that rescue workers know where to go to help the animals that are in danger.



Around the world in times of disaster - whether in hurricanes, volcano eruptions, tsunamis, floods or more, wherever it's needed RADARSAT-2 is there!