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| Sharm El-Sheikh, Egypt | **(title sequence)** |
| “Climate action must be guided by science, data and facts.”  World leaders, policymakers and delegates from nearly 200 countries have convened in Sharm El-Sheikh over the past two weeks at the COP27 UN Climate Summit.  Today we take a closer look at the Egyptian city through the eyes of Copernicus Sentinel-2.  **Welcome to Earth from Space.** | Footage of Gutteres’s speech at COP27  Additional footage of world leaders at COP (not Meloni 😉)  Show:  <https://www.gettyimages.it/detail/video/panoramic-view-on-coral-beach-with-umbrellas-sunbeds-and-filmati-stock/1151298439?phrase=Sharm%20El-Sheikh%20> |
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| Sharm El-Sheikh is an Egyptian resort city on the southeast tip of the Sinai Peninsula, on the coastal strip along the Red Sea. | Show satellite image here |
| The coastline is dotted with restaurants, bars and resorts.  Dark, straight lines in the image are roads. | Show blue area in the key  Show red area in the key |
| This striking true-colour image shows the Gulf of Aqaba at the top-right, feeding into the Red Sea – home to some of the hottest and saltiest seawater in the world. | Follow the pink arrow in the key (downwards) |
| The area offers many opportunities for diving.  A series of coral reefs, which host rich marine life,  can be easily spotted in the image. | Can you show this footage:  <https://www.gettyimages.it/detail/video/underwater-ambience-filmati-stock/949902810?phrase=dahab%20%20coral%20reef>  Then return to the image and show green circle in the key |
| The variations in the colour of the water surrounding the islands represent the depth of the water. | Zoom into the green circle in the key |
| The lighter areas show more shallow waters than the vast expanse of deep blue. | (Continued) |
| Over the past two weeks, world leaders are discussing action to tackle climate change at the COP27 Climate Summit. | COP27 footage |
| With the planet on course for 2.4-2.6°C warming, the conference’s central focus has been on limiting future greenhouse emissions | Show: [Land-surface temperature 1995-2020](https://www.esa.int/ESA_Multimedia/Videos/2022/06/Land-surface_temperature_1995-2020#.Y3SX0aEf7yg.link)  (2017 onwards) |
| and addressing loss and damage resulting from the unavoidable consequences of climate change. | Hurricane damaging footage perhaps (can’t remember where I saw it) |
| As an official observer to COP27, ESA representatives have been participating throughout the event to highlight the value of space-based observations. | COP27 footage |
| ESA has shown how the growing use of satellite data is enabling the global community to take climate action | Show: [Scouts: ESA’s agile research missions](https://www.esa.int/ESA_Multimedia/Videos/2022/07/Scouts_ESA_s_agile_research_missions#.Y3SYG0pxLDc.link)  @00:49-00:54 |
| and track progress towards nationally pledged commitments to limit global warming that are enshrined in the Paris Agreement. | Show: [Counting national carbon emissions](https://www.esa.int/ESA_Multimedia/Videos/2022/11/Counting_national_carbon_emissions#.Y3SYjMZBocd.link)  @02:08-02:17 |
| The Copernicus Sentinel-5P satellite has proved crucial in implementing the ambitious Methane Alert and Response System initiative. | Footage of [Sentinel-5P](https://www.esa.int/ESA_Multimedia/Videos/2017/07/Sentinel-5P#.Y3SXP5wuQ2c.link) |
| The project aims to scale up global efforts to detect and act on major emissions sources and accelerate the implementation of the Global Methane Pledge. | Show:  <https://www.esa.int/ESA_Multimedia/Videos/2021/10/Global_methane_concentrations_in_2020#.Y3SWNWUJCRU.link> |
| Through its RECCAP-2 project, ESA’s Climate Change Initiative is pioneering research in how to use space data | Show: [Counting national carbon emissions](https://www.esa.int/ESA_Multimedia/Videos/2022/11/Counting_national_carbon_emissions#.Y3SWYhP0Mwg.link)  @00:12-00:20 |
| to improve estimates of surface fluxes between the atmosphere, land and ocean to compare to national-scale estimates. | Show: [Counting national carbon emissions](https://www.esa.int/ESA_Multimedia/Videos/2022/11/Counting_national_carbon_emissions#.Y3SWYhP0Mwg.link)  @01:26-01:34 |
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