Digital solar Antarctica

Earth--that big blue wonderful home of ours here in the Milky Way Galaxy--orbits around the Sun on what"s called the plane of the ecliptic.If the rotational axis of Earth--an imaginary line run through the planet that connects the North and the South poles--were aligned exactly perpendicular with this plane, we"d experience day and night on a ...

Before I travelled to Antarctica and South Georgia I spent ages searching for photography tips and advice about the best camera gear for Antarctic photography.. I"m an experienced travel and wildlife photographer but I"d never taken photos in the polar regions before. I wanted to make sure I got advice from the experts not only on the best photography equipment to take, but also how ...

Through the creation of a polar digital space and the data architecture in it, an attempt will be made to get as close as possible to the real possibilities of building a Digital Twin in the Antarctic or the polar region, and also to propose the European data policy in the Antarctic and the Arctic. The data sources and instruments at many of the Antarctic bases are not ...

The extreme weather conditions and complex logistics of Antarctica put both solar and wind systems under huge stress, which generates operational, technological and budgetary challenges that are ...

Protective solar eclipse glasses . Taxes, tariffs, and landing fees . Digital visual journal link after voyage, including voyage log, gallery, species list and more! EXCLUSIONS. Extra excursions and activities not mentioned in the itinerary . Single room supplement and stateroom upgrades . Meals not on board the ship . Beverages (other than ...

By 2018 this was tested in Antarctica and now the mathematics has been reduced to fit into your smart phone. In April 2020 the ENEA team announced the developed the smartphone app i called "SunPass". ... 1988 for a "Solar Clock with Digital Time Display". Steve is an inventor of many optical devices, but as he recalls, "Sundials had not ...

The Digital Twin Antarctica project aims to generate an advanced dynamic reconstruction of Antarctica"s hydrology, interaction with ocean and atmosphere, to be used by stakeholders such as decision makers, agencies, managers, ...

A team of researchers working in Antarctica have discovered a massive meteorite, weighing in at a hefty 17 pounds. Rocks falling to Earth from space aren"t uncommon, but it"s very unusual for ...

Digital photography with very high (1-4 m) and ultra-high (<1 m) spatial resolution, taken from the air (via unmanned aircraft systems, aka UASs) is ideal (Turner et al., 2012, 2014, 2018; Bollard-Breen et al., 2015;

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Malenovský et al., 2017), however, it is expensive to obtain and operate suitable UASs in Antarctica, they require a licensed ...

Scientists in Antarctica have successfully grown the first crop of veg without the help of earth, daylight or pesticides. ... The study of planets outside our solar system, called exoplanets, has ...

The Digital Twin of Antarctica demonstrator is an opportunity to pull together all these datasets into a dynamic and interactive reconstruction of the ice sheet. Earth Observations, Artificial ...

Long-term, ground-based daily global solar radiation (DGSR) at Zhongshan Station in Antarctica can quantitatively reveal the basic characteristics of Earth"s surface radiation balance and validate satellite data for the Antarctic region. The fixed station was established in 1989, and conventional radiation observations started much later in 2008. In this study, a ...

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Digital solar makes this universal equity possible by using a token system, i.e., the biscuits system, that sets a fixed price against a power dividend. A set of biscuits can cover the entire overhead cost of a solar system, and the billings from it would be split up and sent to accounts connected to these biscuits.

Machine Learning for seasonal sea ice forecasting - IceNet. IceNet is a probabilistic, deep learning sea ice forecasting system developed by an international team and led by British Antarctic Survey and The Alan Turing Institute [Andersson et al., 2021].IceNet has been trained on climate simulations and observational data to forecast the next 6 months of monthly ...

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