Hydrometeorological solar support

What is hydro-meteorological risk?
Hydro-meteorological risk is the probability of damage due to hydro-meteorological hazards and its interplay with exposure and vulnerability of the affected humans and environments (Merz et al., 2010).

How many journals use nature-based solution for hydro-meteorological risk reduction?
The review identified,in total,1204 journal articles from 2007 to the end of 2019. The analysis of publications from 2007 to 2019 shows that only 121out of 1439 articles (i.e. 11 %) explicitly used the term nature-based solution for hydro-meteorological risk reduction (Fig. 5).

Can NBS reduce hydro-meteorological risk?
The analysis confirmed that numerous advancements in the area of NBSs have been achieved to date. These solutions have already proven to be valuable in providing sustainable, cost-effective, multi-purpose and flexible means for hydro-meteorological risk reduction.

What is Hydrometeorology forecasting & applications?
Hydrometeorology: Forecasting and Applications is the latest edition of this award-winning book intended for practicing engineers and scientists. It also provides useful background for undergraduate and postgraduate courses in engineering,earth sciences,environmental sciences,geography,meteorology and hydrology.

How can we prevent hydro-meteorological disasters?
The alternative then is to look for non-structural means that involve,among other things,early warning systems. They are cost effective and in some situations the only option. The primary causes of all hydro-meteorological disasters are water and wind (ã¢¼á»^).

What are some examples of hydro-meteorological hazards?
Floods, storm surges, landslides, avalanches, hail, windstorms, droughts, heat waves and forest fires are a few examples of hydro-meteorological hazards that pose a significant risk.

This study compares the performance of a proprietary optical character recognition (OCR) service with an open-source OCR tool for digitizing hydrometeorological data. We built a digitization ...

An award-winning text introducing the latest operational hydrometeorological forecasting and warning techniques for flood, drought, reservoir, hydropower, irrigation, water supply and water pollution applications.

hydrometeorological processes which are characterized by high variability and uncertainty [1]. As a result, the estimation of renewable energy sources requires analyzing hydrometeorological ...

Water resources, particularly in arid and semi-arid regions of the world are of great concern, as they are

closely linked to the wellbeing of humankind. Sophisticated hydrological prediction tools are required to assess ...

Berthing support system is widely used in ship berthing to ensure the safety. In this paper, we focus on ship berthing support using laser sensor for distance measurement and marine hydro ...

Nature-based solutions (NBS) have recently received attention due to their potential ability to sustainably reduce hydro-meteorological risks, providing co-benefits for both ecosystems and affected people.

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