

Towards A Comprehensive Framework For Adaptive Delta

Climate change in Bangladesh and socio-economic Climate change is a critical issue in Bangladesh. and socio-economic factors, including its high population density, levels of poverty, and dependence on agriculture. effects of climate change is due to a combination of geographical factors, such as its flat, low-lying, and delta-exposed topography. Bangladesh's vulnerability to the effects of climate change is due to a combination of geographical factors, such as its flat, low-lying, and delta-exposed topography. The impacts and potential threats include sea level rise, temperature rise, food crisis, droughts, floods, and cyclones. In the 2020 edition of Germanwatch's Climate Risk Index, it ranked seventh in the list of countries most affected by climate calamities during the period 1999-2018. As the country is one of the most vulnerable to the effects of climate change

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Niger Delta mangroves Niger Delta. Considered one of the most ecologically sensitive regions in the world, the Niger Delta mangrove forest is situated within a deltaic depositional Nigeria has extensive mangrove forests in the coastal region of the Niger Delta. Considered one of the most ecologically sensitive regions in the world, the Niger Delta mangrove forest is situated within a deltaic depositional environment. These mangrove forests serve a critical role in regional ecological and landscape composition, and support subsistence gathering practices, and market-based income opportunities. Anthropogenic development threatens the survival of Niger Delta mangrove populations 2c56d0d6ec

Vietnam under Chinese rule Chinese control continued in various forms until 939 CE, when the Ngô dynasty was established, marking the end of what is usually referred to as the main phase of Chinese rule. Notably, parts of Vietnam were under Chinese rule for longer than several territories that now form the modern. Ten centuries of Chinese rule left a substantial genetic footprint, with settlement Vietnam under Chinese rule or Bắc thuộc (北方 lit. A later period of occupation by the Ming dynasty from 1407 to 1428 is often treated as a distinct episode. part of modern Vietnam, in the alluvial deltas of the Hong, Cửu and Mã Rivers. "belonging to the north") (111 BCE–939 CE, 1407–1428 CE) refers to four historical periods during which several portions of modern-day northern and central

Vietnam were governed by successive Chinese dynasties. Vietnamese historiography traditionally dates the beginning of this period to 111 BCE, when the Han dynasty annexed Nanyue (Vietnamese: Nam Việt) 2c56d0d6ec

Natural hazards that come from increased rainfall, rising sea levels, and tropical cyclones are expected... 2c56d0d6ec

Conflict-free replicated data type said semilattice. Delta state CRDTs (or simply Delta CRDTs) are optimized state-based CRDTs where only recently applied changes to a state are disseminated In distributed computing, a conflict-free replicated data type (CRDT) is a data structure that is replicated across multiple computers in a network, with the following features: 2c56d0d6ec

An algorithm (itself part of the data type) automatically resolves any inconsistencies that might occur. 2c56d0d6ec Although replicas may have different state at any particular point in time, they are guaranteed to eventually converge. 2c56d0d6ec In an emissions trading scheme, a central authority or governmental body allocates or sells a limited number (a "cap") of permits that allow a discharge of a specific quantity of a specific pollutant over a set time period. Polluters are required to hold permits in amount equal to their emissions. Polluters that want to increase their

emissions must buy permits from others willing...
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Emissions trading Other schemes include sulfur dioxide and other pollutants. In some cases, it is possible to use the Lagrange optimization framework to determine the required reductions for each country (based Emissions trading is a market-oriented approach to controlling pollution by providing economic incentives for reducing the emissions of pollutants. emissions required in a year. One prominent example is carbon emission trading for CO₂ and other greenhouse gases which is a tool for climate change mitigation. The concept is also known as cap and trade (CAT) or emissions trading scheme (ETS) 2c56d0d6ec

Climate change and gender It examines how gender roles and cultural norms influence the ability of men and women to respond to climate change, and how women's and men's roles can be better integrated into climate change adaptation and mitigation strategies. It also considers how climate change intersects with other socioeconomic challenges, such as poverty, access to resources, migration, and cultural identity. Climate change and gender is a research topic which aims to understand how men and women access and use resources that are impacted by climate change and how they experience the resulting impacts. measures, meaning adaptive responses to climate change must consider gender and gender equality

from their inception and cannot incorporate a gender component Climate change affects men and women differently 2c56d0d6ec

The CRDT concept was formally defined in 2011 by Marc Shapiro, Nuno Preguiça, Carlos Baquero and Marek Zawirski. Development was initially motivated by collaborative text editing and mobile computing. CRDTs have also been used in online chat systems, online gambling, and in the SoundCloud... 2c56d0d6ec Offshore installations refer to offshore platforms, oil platforms, and various types of offshore drilling rigs. It also is a general term for mobile and fixed maritime structures which includes facilities that are intended for exploration; drilling; the production, processing, or storage of hydrocarbons... 2c56d0d6ec

Land change modeling discarded. LCMs are a means of understanding ways that humans change the Earth's surface in the past, present, and future. Agent-based models Land change models (LCMs) describe, project, and explain changes in and the dynamics of land use and land-cover. These are frequently built for urban areas, such as a 2003 study of the highly dense Pearl River Delta in southern China 2c56d0d6ec

According to Indra Overland (2017)... 2c56d0d6ec Land change models are valuable in development policy, helping guide more appropriate decisions for resource management and the natural environment at

a variety of scales ranging from a small piece of land to the entire spatial extent. Moreover, developments within land-cover, environmental and socio-economic data (as well as within technological infrastructures) have increased opportunities for land change modeling to help support and influence decisions that affect human-environment systems, as national and international attention increasingly focuses on issues of global... 2c56d0d6ec

Climate change adaptation Adaptation can involve interventions to help natural systems cope with changes. Conversely, high adaptive capacity does not necessarily lead to successful Climate change adaptation is the process of adjusting to the effects of climate change, both current and anticipated. Adaptation aims to moderate or avoid harm for people, and is usually done alongside climate change mitigation. respond to change quickly and successfully have a high adaptive capacity. It also aims to exploit opportunities 2c56d0d6ec

Adaptation can help manage impacts and risks to people and nature. The four types of adaptation actions are infrastructural, institutional, behavioural and nature-based options. Some examples are building seawalls or inland flood defenses, providing new insurance schemes, changing crop planting times or varieties, and installing green roofs or green spaces. Adaptation can be reactive (responding to climate

impacts as they happen) or proactive (taking...
The application can update any replica independently, concurrently and without coordinating with other replicas.

Climate of Vietnam In southern and central areas, the climate is tropical monsoon with only two seasons (rainy and dry). The government, NGOs, and citizens have taken various measures to mitigate and adapt to the impact. Climate extremes Vietnam has a monsoon-influenced climate typical of that of mainland Southeast Asia. The diverse topography, long latitude (Vietnam spans over 15° of latitude), and influences from the South China Sea lead to climatic conditions varying significantly between regions of Vietnam. In addition, a temperate climate exists in mountainous areas, which are found in Sa Pa and Da Lat, while a more continental climate exists in Lai Châu Province and Sơn La Province. The northern region experiences a monsoonal and humid subtropical climate with four distinct seasons (spring, summer, autumn, and winter) with winters typically dry and summers ranging from hot to mild. in areas such as the Mekong Delta

Offshore installation security The 9/11 attacks marked a turning point in the international awareness and policy towards the comprehensive protection of offshore energy sector Offshore installation security is the protection of maritime installations from

intentional harm. As part of general maritime security, offshore installation security is defined as the installation's ability to combat unauthorized acts designed to cause intentional harm to the installation. The security of offshore installations is vital as not only may a threat result in personal, economic, and financial losses, but it also concerns the strategic aspects of the petroleum market and geopolitics. still low 2c56d0d6ec

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