

Ecotourism for Biodiversity Conservation and Maintaining Global Climate Changes: A Review from Global Prospective

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Abstract

Climate change, assets, and surrounding troubles have aroused growing instructional interest across the world. In order to suppress the environmental surroundings, ecological civilization creation has been started the various countries in the world; therefore, The concepts of low carbon and ecological improvement have emerged. As a result, Ecotourism has become increasingly popular over the last decade, both with conservation and improvement groups searching out methods of producing profits from blanketed areas. This review paper intends to analyze the overall role of eco-tourism in biodiversity conservation and maintaining global climate change. The result indicated that the sustainable development of eco-tourism play an important role in protecting plant, animal, and microorganism, and maintaining global climate change through enhancing eco-friendly conservation. Moreover, the issue of climate change and Carbon footprints are a further addition to it. They have a look at recommendations for maximizing the capacity advantages of biodiversity conservation with the assistance of a “coexistence model”, i.e. community-based ecotourism (CBET). Furthermore, measuring the carrying capacity of ecotourism sites and providing vocational training to the unskilled nearby network will decorate the general performance of the ecotourism sector. Lastly, it might be a step beforehand to construct the right know-how about the position of eco-tourism and using eco-certification for a hit ecotourism business.

Keywords: Biodiversity, Ecotourism, Protected Area, Sustainable Development

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1. Introduction

Ecotourism has been gaining momentum in biodiversity hotspots bearing on its capability to reinforce each rural livelihoods and environmental conservation. It has the capacity to relieve poverty, that is profoundly embedded in several regions of society (Ferraro & Hanauer, 2014; Makindi, 2016; Sirivongs & Tsuchiya, 2012). The International Ecotourism Society (TIES, 2018), defines ecotourism as “moral tour tonatural areas that help the well-being of local people and conserves the environment.” Thus, the essence of ecotourism consists primarily of (i) a nature-based solution; (ii) a sustainability dimension from the standpoint of conservation; (iii) a Sustainable human thing thinking about neighborhood people's participation and benefits; (iv) learning, education, and awareness; and (v) moral advertising and enterprise control of indigenous products.

Furthermore, it serves as a “human shield” by deterring negative externalities like mining, logging, and poaching (Ouboter, Kadosoe, & Ouboter, 2021). It additionally promotes recycling and defends towards the continued risk of world warming and pollution (Poyyamoli, 2018). Thus, ecotourism has been visible withinside the journey enterprise as a lifestyle, a collection of activities, and a fixed of concepts if nicely deliberate and performed (Honey, 2008). As a subcategory of sustainable tourism, it contributes to sales era through powerful marketplace analysis (Cabral & Dhar, 2019). The growth and magnitude of ecotourism show that, during the 1990s, it increased at a pace of 10% to 30% every year (Honey, 2008). In the 2000s, it grew 3 instances quicker than the complete tourism sector (Honey, 2008). Together, nature tourism and ecotourism make up about 20% of international tourist travel (R. M. Self, D. R. Self, & Bell-Haynes, 2010). Currently, ecotourism has become one of the fastest-growing sections of the travel industry, accounting for more than 6% of global gross domestic product (GDP) (UNWTO World Report, 2017), and is anticipated to grow seven times faster than the rest of the tourism industry. In 2019, the global ecotourism sector was valued at 181.1 billion US dollars.

The enterprise turned into anticipated to attain 333.eight billion US bucks in 2027, with a 14.3% compound annual growth rate (CAGR) (Lock, 2021). From Butler's (2018) viewpoint, many people hold the view that ecotourists are the ideal kind of travellers compared to mass tourists since they are willing to go to considerable lengths to see lessvisited places. However, it's far now and again puzzled if, because of their considerable travel, eco-travelers depart large environmental footprints than different visitors. Eco-tourists are already being categorized as sustainable visitors (Butler, 2018). While several review studies on the sectoral effect of ecotourism have been conducted (Das & Chatterjee, 2015; Kiper, 2013; Poyyamoli, 2018), there have been comparatively few research or evaluations of the sectoral impact of ecotourism in developing and developed nations.

The assignment of weather extrade has come to be a number one risk to residing at the Earth withinside the ultimate centuries (Rasoulizhad and Taghizadeh- Hesary, 2022). Many conferences of the international locations

on the local and worldwide stage are hung on the subjects of surroundings and weather change. Regardless of environmental issues, populace growth, and the shortage of manipulate of greenhouse fuel line emissions, industrialization has been the maximum essential reason of the weather alternate crisis. Chao and Feng (2018) deal with human pastime because the main purpose of weather extrade and specific that this undertaking is a ability danger to residing on Earth. Woodward (2019) argued that weather extrade threats encompass the upward thrust in international temperature, the melting of polar ice caps, and unparalleled ailment outbreaks.

Therefore, pressing regulations and answers are important to govern and decrease the hazard of world change. Ecotourism is an method primarily based totally on environmental criteria, that's against over-tourism (a form of tourism that disrupts the safety of the surroundings and destroys herbal resources). The International Ecotourism Society defines Ecotourism as an green manner to preserve the surroundings and enhance nearby people's well-being. It may be stated that Ecotourism, along side diverse financial advantages (profits generation, process creation, globalization, poverty alleviation), will deliver environmental protection to the world's countries, achieving the goals of green economic growth recovery and sustainable development (TIES, 2018).

According to Xu et al. (2022) Ecotourism is one of the important additives of reaching sustainable improvement withinside the post-corona era. Ecotourism in growing international locations has extra priorities as compared to advanced economies. Firstly, growing nations are frequently nations with economic issues of the government. And the governments in those international locations want greater capital to strengthen sustainable improvement goals. Therefore, growing ecotourism offerings may be a appropriate way to assist those countries enhance the repute of sustainable improvement signs and shield their environment (Shang et al., 2023). Moreover, selling ecotourism in those international locations is of high-quality importance. The advanced nations have a excessive proportion withinside the emission of inexperienced residence gases withinside the international because of their excessive dependence on fossil fuels and the dearth of superior inexperienced technologies.

Also, because of bureaucratic processes, excessive cost, and shortage of marketplace transparency, inexperienced washing might also additionally take place in growing economies' Ecotourism industry, which means that a organization serving ecotourism offerings makes its sports appear extra sustainable and moral than they are. So that, according to the reasons mentioned above, developing ecotourism in developing and evolved nations may be an critical element in controlling and lowering greenhouse fuel line emissions in those nations. This study examines the consequences and solutions of ecotourism via an in-depth literature review that presents diverse points of view and implications. Furthermore the critical in-depth review was for the selected papers to addresses the following key research questions: (a) what are the positive consequences of ecotourism in different countries selected for the evaluation? (b) What are the roles of eco tourism development for maintaining global climate changes? (c) What solutions should be undertaken to address the significant issues?

Methods of Review

The have a look at is primarily based totally at the records from secondary statistics sources. The secondary records had been accumulated from posted books, exclusive posted studies works, newspaper, Magazines, reviews of numerous authorities and non-authorities authorities, websites, and professional statistical documents. Data recorded by all concerned authorities, Review and reports from World Tourism and Traveling Council are used for this study. All the data obtained from secondary sources are considered for draw a conclusion. Furthermore, some suggestions are prescribed for the betterment of ecotourism, so that the economy can take absolute advantage from them

Results and Discussions

Concepts and definition of Eco-Tourism

The idea of ecotourism is an awful lot associated with a few different standards of tourism like, flora and fauna tourism or journey tourism. Different researchers describe the ecotourism as one of the prolonged variations of mass tourism. Some researcher attempts to illustrate the time period ecotourism as accountable tourism (Russell & Wallace, 2004). The time period ecotourism got here to the limelight over the past 3 many years as an opportunity to mass tourism and As a that means to cope with the untouched tourism thinking about the much less favorable ecological and social consequences (Russell & Wallace, 2004). During the duration of globalization, each the advanced and the growing global dealing with the demanding situations of shielding the herbal useful resource worldwide. But the call for for touring and tourism, in particular withinside the herbal regions is growing day through day. In latest decades, tourism quarter has emerge as a multimillion greenback industry, as humans are more involved to spend their entertainment time in one-of-a-kind appealing locations across the world ((WTTC), 2015). In the current decades, ecotourism emerged as one of the maximum economic, powerful and environmentally friendly manner of utilising herbal sources and preserve sustainable improvement in herbal reserves (Li & Han, 2001). Das (2011) describe ecotourism as, "ecotourism, described as accountable tour to herbal areas, that conserves The surroundings and improves the welfare of neighborhood people, has stuck

the eye of various interests, both as an economically worthwhile entertainment activity, and as a method of conservation and development”.

Goodwin (1996, p.288) described ecotourism as, “low effect nature tourism, which contributes to the protection of species and habitats both without delay through a contribution to conservation and/or not directly via way of means of supplying sales to the nearby community enough for nearby humans to value, and consequently protect, their flora and fauna history region as a supply of Wikipedia (2017a) defines ecotourism as, “Ecotourism is a shape of tourism related to travelling fragile, pristine, and relatively undisturbed natural areas, supposed as a low-effect and regularly small scale opportunity to traditional commercial (mass) tourism. It way accountable tour to natural areas, protecting the surroundings and enhancing the wellness of the neighborhood people”. Again .

UNWTO defines a few traits of ecotourism. According to UNWTO ecotourism refers to types of tourism that have the subsequent characteristics: 1. All nature-primarily based totally sorts of tourism wherein the primary motivation of the travelers is the statement and appreciation of nature in addition to the conventional cultures winning in natural areas. 2. It consists of academic and interpretation features. 3. It is generally, however now no longer solely prepared with the aid of using specialised excursion operators for small groups. Service issuer companions on the locations have a tendency to be small regionally owned businesses. 4. It minimizes terrible affects upon the natural and socio-cultural environment. 5. It helps the preservation of natural regions that are used as ecotourism sights by: Generating financial blessings for host communities, companies and government dealing with natural, regions with conservation purposes; Providing opportunity employment and earnings possibilities for local communities; Increasing recognition toward the conservation of natural and cultural assets, each amongst locals and tourists (UNWTO, 2016).

Low Carbon Eco-tourism

Low Carbon Economy

In 2003, the British government in its energy white paper our energy future: create a low carbon economy first mentioned the low carbon economy and pointed out that more economic output could be acquired through the less natural resources consumption and less environmental pollution [U.K. Energy White Paper 2003]. Low carbon economy provides an opportunity to create a higher standard of living and a better quality of life and create opportunities for developing, using and outputting advanced technology; also, it can create new business opportunities and more chances of employment (Yuan, 2010).

With the derivation of low carbon economy, its development pattern has been presented and international scholars have been discussing the low carbon economy. Foreign scholars' studies on it were earlier than the domestic researchers (Yin, & Ting, 2010) and have been achieved comparatively abundant research achievements and the initial research mainly concentrated in a small number of industries, such as transportation, cement industry. It shows that transportation released the largest carbon emissions of the OECD countries [Marco, 2000], and the cement industry was a major industry in greenhouse gas emissions (Rehan, & Nehdi, 2005). So more researches focus on the national and global carbon emissions, such as the possibility of discussion that the U.K. and Germany respectively would achieve the target of 80% cut in carbon dioxide and the other greenhouse gases emissions based on those of 1990 in the middle of the century (Johnston et al., 2005 & Treffers et al., 2005), the study of the causal relationship of the U.S. and Turkey's energy consumption, GDP and carbon emissions (Soytas et al., 2007; Soytas et al., 2009), the quantitative analysis of the relationship between energy consumption, carbon emissions and global GDP (Ramanathan, 2006).

Also the discussion on describing the methods of low carbon economy long-term development situation of city scale in Shiga, Japan (Shimada et al., 2007), the determination of the population structure on the US and global carbon emissions (Dalton et al., 2008; Puliafito et al., 2009), the direct relationship between the U.S. exports and the average international carbon emissions (Stretesky, & Lynch, 2009), the analysis and forecasting for the change of different parts of the temperature time series (Viola et al., 2010), and the adopted strategies in the process of transition to a low carbon future (Söderholma et al., 2011). Besides, based on low carbon economy, some studies have discussed the relationship and influence of the climate changes, such as the relations between tourism and climate changes (Gssling et al., 2013), the relationship between the climate and business economic thoughts and innovation (Kaesehage et al., 2014), and the combination of re-industrialization and low carbon economy will help to mitigate climate change (Lechtenbme et al., 2015), using green performance score card to build green industry performance analysis (Hashimab et al., 2014), confirming the relationship of long-term and short-term between carbon emissions (Ahmad et al., 2016).

Eco-Tourism and Climate Changes

Eco-tourism is originated within the 1980s. After coming into the 1990s, because of the thoughts of sustainable improvement approximately natural, social, and financial coordination turning into the guiding concept to remedy the hassle of world environment, the corresponding eco-tourism has been advanced rapidly. The facts indicate tourism changed into the world's quickest developing economic system enterprise

withinside the ultimate century, amongst which eco-tourism changed into the quickest developing segment ,and the common boom fee became from 15% to 20%, which meditated the human beings restored its pristine kingdom and advise herbal new fashion.Foreign researches on eco-tourism commenced withinside the 1980s, unique adviser Ceballos Lascurainof IUCN firstly put forward the concept of “eco-tourism” in 1983 (Ceballos, 1987).

At that time, this time period became now no longer used extensively, and a few pupils nevertheless used herbal atmosphere tourism or inexperienced tourism to express (Fennell , 1990 ; Miller 1993).In 1987, WWF carried out a unique have a look at on 5 international locations concerned in Ecuador and posted the studies record on Eco-tourism: the Potential and Pitfalls .According to the definition of the primary international congress on “tourism and environment”, eco-tourism turned into aimed toward appreciating and reading the natural landscape, flora and fauna and referring to feature culture, via way of means of elevating cash for nature reserve to create employment possibilities for neighborhood citizens and imparting surroundings education for the public to contribute the conservation of nature tourism (Editorial committee of China's agenda in the 21st century, 1994). On this basis, in addition studies might recommend with the aid of using enhancing the entire social recognition of the price of the resources, buildingThe environment of defensive herbal resources, increasing the overseas funding and capital enter to attain the reason of the eco-tourism developmenton the natural environment protection (Filani, 1975), and try to implement the management strategy, make the ecological tourists experience pleasure And delight from the unique and converted right into a deeper expertise of comprehension, converting of attitudes, with a view to put in force responsiblebehavior for the environment (Osram, 1995), and helping people to better understand the ecological tourists frequently contact with nature environment, at The identical time, exploring the social, economic, political and mental mechanism of the effect on network eco-tourism (Scheyvens, 1999).

Meanwhile, exploring the outcomes of the agricultural eco-tourism for residents, and right political intervention had been useful to the residents in the ecological tourist area to transform the traditional mode of farming, and acquire social-economic welfare(Hashim, 2015), in addition, looking to preserve stability at the members of the family among eco-tourism, tourism improvement and environmental protection (Mathis, &Rose,With China's surroundings worsening, ecological harm issues in tourism improvement is increasingly more obvious, such a lot of scholarsPay near interest to eco-tourism, and a whole lot of researches recognition on eco-tourism, eco-tourism and environmental pollution, etc. including the studies on growing eco-tourism became an inevitable preference for reasonabledevelopment and effective utilization of tourism resources in nature reserve (Zhang et al. , 2005), and mentioned that withinside the method of eco-tourism, because of the vacationers behavior, carrier unit in scenic areascaused the environment problems of water pollution, solid waste pollution, noise pollution, vegetation destruction, and species reduction (Zhao et al., 2009).

Besides, tourism ecological reimbursement has turn out to be a warm spot, and its meaning, interestsubject, standards, and channels and mechanisms were the core content (Liu et al., 2013). Based on this, the follow-up research positioned emphasis on eco-tourism resources, the development of eco-tourism assessment system, eco-tourism improvement mode and strategy,Ecological civilization and eco-tourism and so on, which includes artificiality and the goal life of fragile eco-tourism assets have been the inner reason ofthe fragility of ecological resources (Lin , 2015), and it indicated that the construction of the evaluation system of eco-tourism resources should take Tourism assets condition, ecological environment, tourism improvement situations and improvement potential, diploma of coordinated improvement into consideration (Dai, & Hou, 2014). Simultaneously, the government, tourism enterprises and the local community of the trinity of eco-tourism development mode can be constructed (Yao et al., 2015) and the ecological civilization was a factor to construct ecological tourism (Zhang et al., 2016). Also community eco-tourism and rural tourism were the research emphasis, and some researchers thought that their existing some problems of eco-tourism control mode within side the community, inclusive of hazardous control mechanism, commercialized control thinking, the imbalance of the pastimes distribution and so on,therefore, its development can be conducted through government scientific management, the third party management and community autonomy management (Ni, 2016).

Rural eco-tourism in countrywide areas ought to take note of constructing the countrywide tradition brand, eco-tourism industrialization, mobilizingmore participants' interactive cooperation, coordination of eco-tourism and rural construction to keep high effectiveness (Zhao, 2015). From what were cited above, the look at on eco-tourism specifically centered on ecological connotation of tourism, eco-tourism control strategy, the ecologicalsurroundings and pollution, ecological compensation, eco-tourism improvement mode, eco-tourism assessment system, eco-tourism sources and extraordinary eco-tourism, and it has done sure results, basedat the safety of herbal ecology, it takes sustainable tourism activities, constant with the connotation of low carbon tourism nature and consciousness of The target, and the studies approximately a way to determine tourism scenic region improvement is deficient, thinking about advocating eco-tourism and coffee carbon tourism.Promoting the low carbon eco-tourism manner and lowering carbon emissions withinside the procedure of journey and control of scenicspots, tourist scenic spot's low carbonization development is the trend of the current and

future(Luo et al., 2016).

The Value of Biodiversity for Tourism

The fee of biodiversity for tourism and the related offerings supplied with the aid of using healthful ecosystems is extraordinarily large. The tourism economies of eastern and southern Africa are based on wildlife and outdoor recreation. Around 20% of the land area of South Africa is used for game ranching and conservation, which generate a large proportion of the country's tourism revenues(Van der Merwe. and Saayman, 2003). In Australia, 75% of international and 55% of domestic tourists take part in nature-based or outdoor activities(Tourism Australia , 2009) and these tourists generally stay longer and spend more than other tourists. Market surveys have shown that 42% of European travellers, surveyed in 2000, included a visit to natural parks as part of their vacation activities(Secretariat of the Convention on Biological Diversity , 2008) In England, tourism based on high quality natural environments is estimated to be worth £ 5 billion each year(GHK Consulting Ltd. and GFA-Race Partners Ltd, 2004).

In the Caribbean, coral reefs generated tourism worth an estimated US\$ 4.7 billion in gross and US\$ 2.1 billion in net revenue(World Resources Institute , 2004). By 2000. in Mexico, Federal protected areas currently receive around 14 million domestic and international tourists, with a total spending of US\$ 660 million per year(Secretariat of the Convention on Biological Diversity , 2008). And in the United States of America, 87.5 million residents participated in wildlife watching, hunting, or fishing during 2006, and spent US\$ 122.3 billion on these activities, including US\$ 37.5 billion on food, lodging and transportation(US Fish and Wildlife Service , 2007), 85% of tourism in the United States of America takes place in coastal areas – on beaches, estuaries and wetlands – and far exceeds tourism to theme parks and national monuments(Houston et al.,1996).

Of course, tourists who travel to enjoy nature and outdoor recreation engage in other activities as well, perhaps adding shopping trips, concerts, visits to museums, or sports events into their itineraries. Most tourists and other types of traveller, engage in a range of different activities: business travellers may well take tourist excursions, perhaps to a nearby national park, and activities such as scuba diving or whale-watching are commonly offered as excursions in 'sun and sand' tourism resorts. For most tourists, their vacations include multiple activities – and nature-based or outdoor activities that depend on quality environments are a popular option and a frequent motivation for tourists when selecting holiday destinations. Biodiversity is the major tourism attraction in a number of biodiversity hotspot developing countries, including: Madagascar, Uganda, Tanzania, South Africa, Costa Rica, Ecuador and Belize. Their rich biodiversity is a major factor in the choice of visitors coming to these destinations, even though only a proportion of them may come primarily to view wildlife. Once in these destinations, visitors may also choose to extend their stays to experience other tourism attractions, such as cultural or heritage sites or recreational resorts. The image created by the biodiversity of these destinations is therefore important for marketing all the forms of tourism they offer, whether or not these are mostly based on biodiversity. There is significant geographical overlap between tourism development (and growth) and biodiversity hotspots, as well as areas of low human development, as illustrated in a study by UNEP and Conservation International (United Nations Environment Programme and Conservation International (2003).

Income for management of protected areas

Revenues from front and person charges in blanketed regions and parks offer price range that may be used for his or her management. For example, management of Kenya's national parks is mainly funded through tourism, and in fiscal year 2000-2001, Parks Canada generated gross revenues of C\$ 84.7 million, including C\$ 30. 1 million from entry fees, C\$ 14.3 million from rentals and concessions, and C\$ 10.9 million from camping fees(Secretariat of the Convention on Biological Diversity , 2008).

One estimate suggests that the costs of maintaining a global network of protected areas (estimated at between US\$ 1.1 and 2.5 billion per year) represent between 7-15% of the tourism profits generated in destinations that benefit from protected areas as key assets; (UNWTO, 2010) and that "therefore tourism financial flows have the potential to be a much larger contributor to the management of the world's conservation estate. It has become clear that tourism revenues should not constitute the sole or the most important source of funding for parks (as sales quantity is understood to vary with marketplace trends, and as fee for tourism and traveler offerings is regularly now no longer connected to biodiversitystrategies), but there is a clear growth trend in the contribution of tourism to the funding of protected areas."(UNWTO),2010.).

Role of the Tourism in Protection of Biodiversity

Planning and improvement manage are seriously crucial for the sustainability of tourism and safety of biodiversity, influencing now no longer handiest tourism improvement itself, butalso controlling other forms of development that might be detrimental to the economic sustainability of tourism in the short or long term. Protection of biodiversity in relation to tourism requires planning and development of tourism in ways that take biodiversity considerations fully into account and keep the sensitive areas free from development; and operation

and management of tourism to prevent or minimize damage to biodiversity, while maximizing the benefits that tourism can bring for biodiversity .

This consists of measures to make certain that the cumulative outcomes and scale of tourism do now no longer cause overexploitation of herbal sources in any locality. The mechanisms for this – including use of the planning system, standards and regulation – and are already set out in Making Tourism More Sustainable and the CBD Guidelines on Biodiversity and Tourism Development. This section considers the further implications for tourism of the 2010 and post-2010 Biodiversity Target and the solutions developed by the TEEB study. The tourism sector has both the incentive and capacity to play a significant role in biodiversity protection. As referred to earlier, there are numerous examples of moves via way of means of the tourism area that are helping to protect biodiversity, and to generate economic benefits from biodiversity protection through sustainable tourism. These actions apply to tourism of all types and scales. Even in urban areas, the tourism sector has a footprint on biodiversity over a much wider area: simple actions such as ensuring that food supplies are sourced from sustainable sources, or that hotels sell excursions to their visitors that advantage biodiversity conservation, can all assist to defend biodiversity and ecosystem (Convention on Biological Diversity (CBD), 2010).

Conclusions and Recommendations

According to the evaluation of the associated researches of low carbon economy, low carbon tourism and eco-tourism, a foundation of the Low carbon eco-tourism can be set within the in addition research for the ecological civilization and coffee carbonization of tourism industry. Under the ecosystem with weather alternate and environmental pollution, low carbon eco-tourism improvement enables to alleviate the stress of the scenic area, sell the sustainable improvement of tourism enterprise and make a contribution to the procedure of the development of ecological civilization, and inspire humans to recognise nature, experience nature, and protect. In addition, the low carbon eco-tourism accords with electricity conservation and environmental safety idea and corresponds to the improvement of round economic system concept, and it has a tremendous function to sell the improvement of tourism.

Through the overview of the literature above, it is observed that low carbon eco-tourism lacks the natural connection and integration of low Carbon economy, low carbon tourism, eco-tourism concerning low carbon eco-tourism and has now no longer fashioned a unified know-how at the perception and device of these. Facing the appearance and improvement of low carbon economic system and inexperienced economic system, this paper argues that low carbon eco-tourism need to be included with center thoughts of strength saving and emission discount and sports primarily based totally at the nature, and it does now no longer simplest encompass the safety of the herbal panorama development, however additionally mirror the measures taken to lessen carbon emissions with reaction to weather warming, and a few mixture of the two. That is, within the context of low carbon economic system, we have to draw at the concept of low carbon economic system to broaden low carbon eco-tourism and advise for taking new tourism mode of low power consumption, low pollutants and control idea within the method of improvement and usage of promoting the low carbon eco-tourism manner and decreasing carbon emissions within the system of journey and management. Of scenic spots, traveler scenic spot's low carbonization improvement is the fashion of the present day and future.

Based at the attitude of tourists, regulators, residents, systematic evaluation and quantitative researches are nonetheless lacking. On constructing the family members of low carbon eco-tourism and the development of low carbon scenic region and embodying the affect of low carbon economic system in all tiers within side the production procedure of scenic area.

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