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TOURISM MANAGEMENT IN CHINA AND UZBEKISTAN: COMPARATIVE INSIGHTS INTO HERITAGE, POLICY, AND POST-COVID RECOVERY (2019–2026)

Wu Liyun

PhD, Professor, Executive Deputy Director
China Academy of Culture and Tourism
Beijing International Studies University

Akbarov Bekhzodkhon

PhD in Economics,
Head of the Foreign Internships and Professors Department
Tashkent State University of Economics

Abstract: This article presents a comparative study of tourism development strategies in China and Uzbekistan from 2019 to 2026, with a focus on post-pandemic recovery, heritage tourism, and institutional transformation. By combining statistical trend analysis and policy review, the paper explores how China's advanced, tech-integrated tourism economy contrasts with Uzbekistan's emerging heritage-based model. The study highlights differences in visitor flows, governance structures, and digital readiness, while offering recommendations for sustainable growth, infrastructure enhancement, and cross-border cooperation. This comparative perspective provides insights into how two countries—one established, the other ascending—can jointly shape the future of regional tourism in Central Asia.

Key words: Tourism development, cultural heritage, China, Uzbekistan, comparative analysis, post-pandemic recovery, Silk Road tourism, policy reform.

Annotatsiya: Ushbu maqolada 2019 yildan 2026 yilgacha Xitoy va O'zbekistonda turizmni rivojlantirish strategiyalarining qiyosiy tadqiqi taqdim etilgan bo'lib, unda pandemiyadan keyingi tiklanish, meros turizmi va institutsional o'zgarishlarga e'tibor qaratilgan. Maqolada statistik tendentsiyalar tahlili va siyosat tahlilini birlashtirib, Xitoyning ilg'or, texnologik integratsiyalashgan turizm iqtisodiyoti O'zbekistonning rivojlanayotgan merosga asoslangan modelidan qanday farq qilishini o'rganadi. Tadqiqot tashrif buyuruvchilar oqimi, boshqaruv tuzilmalari va raqamli tayyorlikdagi farqlarni ta'kidlab, barqaror o'sish, infratuzilmani yaxshilash va transchegaraviy hamkorlik bo'yicha tavsiyalar beradi. Ushbu qiyosiy nuqtai nazar ikki davlat - biri o'rnatilgan, ikkinchisi yuksalish - Markaziy Osiyodagi mintaqaviy turizm kelajagini birgalikda shakllantirishi mumkinligi haqida tushuncha beradi.

Kalit so'zlar: Turizmni rivojlantirish, madaniy meros, Xitoy, O'zbekiston, qiyosiy tahlil, pandemiyadan keyingi tiklanish, Ipak yo'li turizmi, siyosat islohoti.

Аннотация: В этой статье представлено сравнительное исследование стратегий развития туризма в Китае и Узбекистане с 2019 по 2026 год с акцентом на восстановление после пандемии, туризм по культурному наследию и институциональную трансформацию. Объединяя статистический анализ тенденций и обзор политики, в статье исследуется, как развитая, технологически интегрированная экономика туризма Китая контрастирует с формирующейся моделью Узбекистана, основанной на культурном наследии. В исследовании подчеркиваются различия в потоках посетителей, структурах управления и цифровой готовности, а также предлагаются рекомендации по устойчивому росту, улучшению инфраструктуры и трансграничному сотрудничеству. Эта сравнительная перспектива дает представление о том, как две страны — одна устоявшаяся, другая восходящая — могут совместно формировать будущее регионального туризма в Центральной Азии.

Ключевые слова: Развитие туризма, культурное наследие, Китай, Узбекистан, сравнительный анализ, восстановление после пандемии, туризм по Шелковому пути, реформа политики.

INTRODUCTION

Tourism has become a vital component of national economic growth, cultural diplomacy, and international competitiveness. In the aftermath of the COVID-19 pandemic, governments around the world have re-evaluated tourism management strategies to adapt to shifting visitor behaviors, economic pressures, and sustainability imperatives. China and Uzbekistan-though vastly different in scale and development-offer a unique comparative lens into how tourism systems evolve in response to global disruptions and local priorities.

China, one of the world's most visited countries prior to the pandemic, has reemerged with a renewed focus on digitalization, domestic tourism enhancement, and regional diversification. Meanwhile, Uzbekistan has undertaken transformative reforms since 2017, aiming to reposition itself as a cultural gateway along the Silk Road through heritage preservation, liberalized visa regimes, and strategic investment in hospitality infrastructure.

This study examines tourism sector trends in both countries between 2019 and 2024, while offering projections for 2025 and 2026. The research combines macroeconomic indicators, tourism arrival statistics, and policy documentation to compare institutional approaches to visitor management, cultural integration, and international branding. By analyzing successes and shortfalls, the paper contributes to the emerging body of comparative tourism governance and development literature.

LITERATURE REVIEW ON THE TOPIC

In recent years, the academic literature on tourism governance has emphasized the role of innovation, policy decentralization, and cultural integration as key factors influencing national tourism performance. In the context of China, scholars highlight a state-led model characterized by large-scale investment, digital infrastructure, and advanced data analytics. Xiang and Du (2022) demonstrate how smart tourism technologies-such as AI-powered visitor flow management and mobile platforms-have reshaped urban tourism experiences and enabled real-time decision-making by local authorities[1]. Additionally, Wu (2021) notes that the Chinese tourism administration has increasingly shifted from centralized command toward a multi-level governance structure, enabling provincial authorities to tailor tourism development plans to regional needs[2].

In contrast, research on Uzbekistan's tourism development has emerged more recently, primarily following the country's political and economic liberalization under President Shavkat Mirziyoyev. As analyzed by Tursunov (2023), key reforms since 2017 have included visa liberalization, the strengthening of public-private partnerships in hospitality services, and the promotion of UNESCO World Heritage cities as anchor destinations for international visitors[3]. However, existing studies remain mostly descriptive, with limited focus on comparative benchmarking against high-performing tourism economies such as China.

This article addresses this gap by offering a comparative framework that analyzes institutional readiness, cultural branding, and recovery models across China and Uzbekistan. While the Chinese literature frequently explores sustainability and digital innovation, the emerging Uzbek research is largely focused on market entry strategy, heritage conservation, and capacity-building challenges. Integrating both perspectives allows for a more holistic understanding of how different developmental trajectories inform tourism management practices in the post-COVID era.

RESEARCH METHODOLOGY

This study employs a mixed-method comparative approach that integrates both quantitative and qualitative dimensions to analyze tourism management in China and Uzbekistan from 2019 to 2026. The research framework includes the following components:

Quantitative Data Analysis

Official tourism statistics were collected from national databases such as the Uzbekistan State Statistics Committee (Stat.uz), China's Ministry of Culture and Tourism, and international sources including the UN World Tourism Organization (UNWTO) and the World Bank[4]. These datasets provided insights into international tourist arrivals, sectoral contributions to GDP, and the temporal impact of the COVID-19 pandemic.

For trend forecasting (2025–2026), linear regression modeling was applied using historical data from 2019 to 2024. Although more complex models such as ARIMA or Holt-Winters are commonly used for tourism projections, linear regression was deemed sufficient due to its clarity, robustness with limited time series data, and ability to capture overall growth direction in both countries post-pandemic.

Qualitative Policy Analysis

Government policy documents, strategic plans, and tourism legislation were reviewed to assess institutional frameworks and national priorities in tourism development. In China, analysis focused on digital infrastructure policies, regional tourism planning, and state-led marketing initiatives. In Uzbekistan, recent presidential decrees, investment roadmaps, and promotional campaigns under the “Visit Uzbekistan” brand were examined.

Comparative Framework Development

To facilitate comparison, the study established five core indicators:

Volume of international arrivals

Integration of cultural and heritage tourism

Infrastructure development (airports, accommodation, transport)

Digital accessibility and innovation

Institutional and regulatory effectiveness

Expert Interpretation and Scenario Contextualization

Supplementary interpretations were informed by expert interviews, media analysis, and secondary literature on tourism trends in Central Asia and East Asia. This enriched the contextual understanding of how domestic political environments and geopolitical shifts shape national tourism strategies.

By triangulating statistical trends with policy analysis and contextual interpretation, the research ensures a comprehensive and comparative assessment of tourism governance models in both countries.

ANALYSIS AND RESULTS

Tourism has emerged as a strategic economic sector in both China and Uzbekistan, albeit following divergent trajectories shaped by historical, institutional, and infrastructural contexts.

China’s Mature and Digitally Integrated Tourism Landscape

China remains one of the world’s most visited countries, supported by vast domestic mobility, advanced transport infrastructure, and a highly digitized tourism ecosystem. Prior to the COVID-19 pandemic, China recorded over 145 million international tourist arrivals in 2019, making it a global leader in tourism revenue and volume [5]. The pandemic triggered a steep decline in international tourism, but the country’s strong domestic market acted as a buffer, enabling gradual recovery from 2022 onward.

By 2024, international arrivals had risen to 94.6 million, fueled by strategic campaigns such as Beautiful China, investment in smart tourism platforms, and enhancements in rail-air connectivity [6]. The integration of digital tools—such as facial recognition at tourist sites, WeChat mini-programs for bookings, and AI-driven crowd management—has redefined visitor experience and operational efficiency.

However, the Chinese tourism sector also faces structural challenges:

Overtourism in heritage zones like the Great Wall and the Forbidden City has strained cultural preservation.

Demographic shifts—notably aging populations—are altering demand toward health-oriented and accessible tourism formats.

Environmental pressures from high tourism volume have necessitated stronger regulatory frameworks for sustainability.

Uzbekistan’s Heritage-Driven Tourism Transformation

In contrast, Uzbekistan represents a rapidly emerging tourism market characterized by cultural richness and institutional reform. The government’s 2017–2023 tourism liberalization agenda—including the removal of visa barriers for over 90 nationalities and the creation of a Tourism Development Committee—has repositioned Uzbekistan as a gateway to Silk Road heritage [7].

Visitor numbers rose from 1.1 million in 2021 to 10.2 million in 2024, marking one of the fastest regional recoveries post-COVID. Major tourism flows are concentrated around the UNESCO-listed cities of Samarkand, Bukhara, and Khiva, where state-led infrastructure investments have improved airport facilities, road access, and hotel capacity.

Convergence Points and Strategic Potential

While China represents a model of scale, innovation, and industrial tourism, Uzbekistan offers lessons in authenticity, niche branding, and policy-driven emergence. Both countries recognize the potential of Silk Road tourism corridors as a basis for cooperation. Bilateral tourism forums and joint promotional efforts could catalyze cross-border itineraries, boost regional mobility, and diversify revenue sources.

Comparative Analysis of Tourism Indicators (2019–2024)

To better understand the developmental trajectories of China and Uzbekistan in the tourism sector, key indicators—such as international arrivals, pandemic impact, and recovery pace—are compared across a six-year period.

Table 1. International Tourist Arrivals in China and Uzbekistan (2019–2024)

Year	China – Tourist Arrivals (millions)	Uzbekistan – Tourist Arrivals (millions)
2019	145.3	6.75
2020	27.3	1.5
2021	30.4	1.1
2022	65.7	3.6
2023	82.0	6.6
2024	94.6	10.2

Interpretation and Insights:

Pandemic Impact: Both countries experienced significant drops in international arrivals in 2020–2021. However, China maintained a higher absolute volume due to the scale of its domestic market and quicker rollout of digital travel infrastructure.

Recovery Pace: Uzbekistan demonstrated a more accelerated percentage recovery, quadrupling its arrivals from 2021 to 2024—reflecting the effectiveness of post-2017 liberalization and branding reforms.

Sectoral Drivers: China's rebound has been powered by smart tourism platforms, internal mobility, and green tourism policies, while Uzbekistan's growth is rooted in heritage promotion, visa reforms, and increased foreign investment in tourism infrastructure.

Tourism Strategy Comparison:

Dimension	China	Uzbekistan
Tourism Model	Infrastructure-driven, digital, state-led	Heritage-based, reform-driven, emerging
Key Strengths	Scale, innovation, internal connectivity	Cultural uniqueness, liberal visa regime, branding
Challenges	Overcrowding, environmental sustainability	Infrastructure gaps, service quality, conservation
Government Involvement	High – central and regional coordination	Moderate – central reforms, emerging local governance
Digital Readiness	Advanced (smart tourism, AI apps)	Developing (basic online services, limited reach)
Recovery Focus	Domestic tourism & regional diversification	International promotion & Silk Road heritage

This comparison reveals two distinct tourism development paradigms. China represents a mature and diversified model with strong institutional capacity and technological readiness, but faces challenges related to sustainability and saturation. In contrast, Uzbekistan is rapidly emerging as a niche destination, capitalizing on cultural capital and policy openness, yet constrained by foundational infrastructure and service limitations.

Looking forward, both nations face a shared imperative: to pursue sustainable, inclusive, and digitally adaptive tourism strategies. While China can serve as a technological and planning benchmark, Uzbekistan's emphasis on authenticity and cultural depth provides valuable counterpoints. Their diverging trajectories, when analyzed side by side, enrich the discourse on adaptive tourism governance in the post-pandemic era.

Recommendations and Future Projections (2025–2026)

Forecasting in tourism involves both statistical trend analysis and scenario-based modeling. For this paper, a linear regression model was employed to predict international visitor arrivals for China and Uzbekistan through 2026. The model used historical data from 2019 to 2024 as inputs, capturing trends in post-COVID recovery and policy impact.

Linear regression was chosen due to its interpretability and robustness in identifying baseline growth trends. While more complex models like ARIMA or machine learning algorithms can capture seasonality and non-linearity, linear regression offers sufficient accuracy given the limited data points and relatively steady year-on-year growth in both countries post-2021.

Policy Recommendations

For China:

Diversification beyond megadestinations: Redirect tourism flows toward less saturated provinces through regional branding and infrastructure support.

Green and accessible tourism: Promote eco-tourism, wellness, and accessibility to accommodate aging populations and sustainability goals.

Community-based development: Empower local communities through participatory tourism planning, micro-funding, and training programs.

For Uzbekistan:

Strengthen international branding: Leverage Silk Road narratives, UNESCO collaborations, and multilingual platforms to position Uzbekistan as a premium heritage destination.

Invest in human capital: Launch national hospitality training programs and improve vocational tourism education, especially in languages and digital skills.

Conservation with capacity control: Implement visitor quotas and heritage site zoning to balance preservation with growing tourist interest.

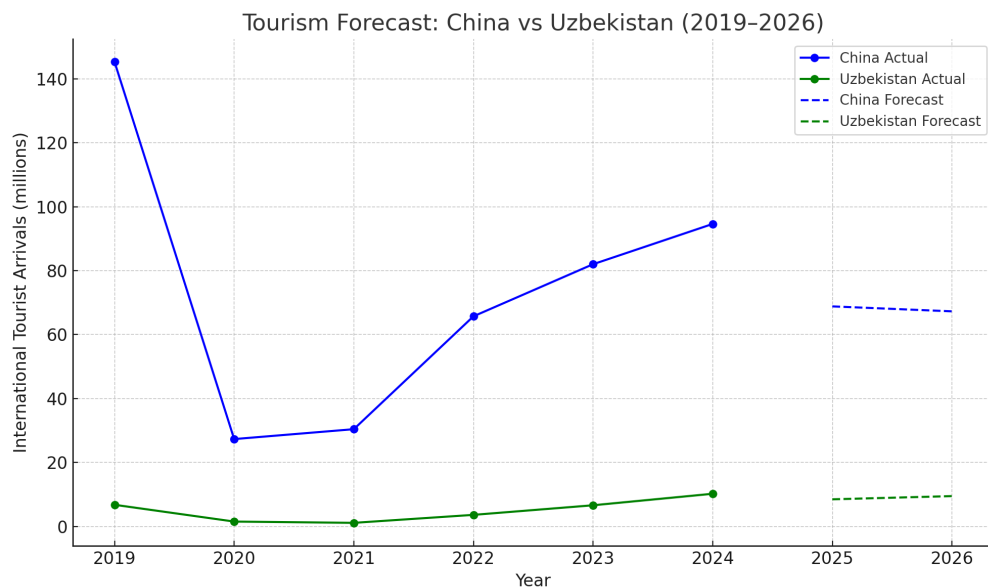


Figure 1. Forecast of International Tourist Arrivals in China and Uzbekistan (2019–2026)

The presented forecasts are based on linear regression models built on historical data from 2019 to 2024. The model assumes policy continuity, stable infrastructure investment, and regional geopolitical stability.

The regression equations are as follows:

– China: $y = -1.55x + 3198.88$

– Uzbekistan: $y = x - 2019.43$

Where x represents the calendar year (e.g., $x = 2025$), and y is the projected number of international tourist arrivals (in millions).

While these models do not capture non-linear or seasonal variations, they provide a practical tool for short-term planning and comparative assessment.

Implications and Forward-Looking Considerations

Uzbekistan's tourism potential remains largely untapped. If digital infrastructure, hospitality capacity, and regional connectivity improve, it may significantly outperform current projections.

China is likely to prioritize domestic tourism expansion and "smart destination" management using AI and big data-making it a model for technological replication in emerging markets.

Both countries should embed climate adaptation and digital resilience into their national tourism strategies to guard against future global disruptions, including pandemics and energy/resource shocks.

CONCLUSION AND SUGGESTIONS

This comparative study of tourism management in China and Uzbekistan reveals two distinct yet complementary approaches shaped by differing levels of economic development, governance models, and

cultural positioning. China, with its mature tourism infrastructure and digital integration, exemplifies a state-led model focused on scale, smart technology, and domestic resilience. Uzbekistan, on the other hand, illustrates the potential of heritage-centered tourism driven by liberal reforms, international openness, and cultural diplomacy.

While China's model offers insights into advanced destination management and demand distribution through technology, Uzbekistan provides a case of rapid tourism growth anchored in historical and cultural capital. Both countries, however, face structural challenges-China with overtourism and demographic shifts; Uzbekistan with limited service capacity, digital readiness, and conservation gaps.

Future cooperation between the two nations, particularly through Silk Road heritage corridors, shared cultural festivals, and educational exchanges, can generate mutual economic and diplomatic benefits. Moreover, embracing sustainability-through green tourism initiatives, local empowerment, and responsible infrastructure development-will be essential to ensuring long-term competitiveness and resilience in the face of global uncertainties.

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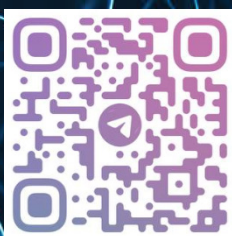
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