

## THE DIFFERENT WAYS OF USING ADVANCED GIS SYSTEM IN TOURISM FIELD AND EXPRESS THE HIGHER BENEFITS OF GIS AS COMPARED TO OTHER FIELDS

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### Abstract

Nowadays, it is not secret anymore nearly all countries make an effort to improve the different services in tourism field especially all efforts made a goal of grab attention of tourists in order to make a money (Maldives, Bahamas in particular). So when it comes to service and convenience it was already admitted GIS took a higher place with its more common used trendness and even continuing importance in finding location with a clearer vision and which leads tourist feel secure and it can open a way to stroll around without help of guide or special securities.

**Keywords:** GIS, stroll around, trendness, effort, grab attention, tourist, secure, special security.

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### Introduction

GIS (geographical information system) is not complex anymore because this trend might become common in this days particularly in tourism. To begin with, location can come firstly when speech goes about tourism which is mostly attached by geographical landscapes of countries. Take the Bahamas and Maldives that are uncomparable in field of tourism when it comes to get a benefit with the help of situation as well as whole view of islands and countries so that may be a good prove the importance of location in this field. In turn, it opens an easy way to tourists analyzing the different countries to go. GIS consisted of information and location which is starting new period in field of tourism with connecting places even visual effects.

### Main part

According to data from GIS, GIS is main system that can be found one resourceful system that is supposed to give exact data. And this system must be improved because this system might unify all countries into one website and in turn it leads different countries collect under one room. During using GIS, we need to understand that this site that require no special parcels in order to get and it means everyone has an opportunity to attach and use whole service of GIS. The big comparison is just effects and everyone who got system can feel free and place and guide do not matter.

### Key advantages of GIS

Government and business have already identified several benefits for GIS, and they will continue inventing new ones going forward. Here are some of the top merits of GIS.

### **1) Improved decision making**

Regional and location information helps companies make better business decisions. For example, a retail store can decide upon the location of their next outlet depending on location insights, geofencing services, a market analysis of customers with the help of location intelligence, among others.

They can plan marketing personas and strategies, innovate with new mediums of communication, and launch direct mail campaigns. GIS also assists governments while making decisions regarding zone planning, urban planning, conserving natural resources, and protecting the environment, among others.

### **2) Reduced operational costs**

Besides helping companies improve their functional performance, GIS also helps them in reducing costs. They can boost and control their operational tasks and reconfigure company procedures with the help of GIS. Organizations can enhance tracking their daily fleet activities and maintenance schedules, thereby saving costs related to operational expenses, staff time, and efficient scheduling.

### **3) Enhanced communication**

Visual map data can assist companies in storytelling and help in understanding situations in a better way. This results in improved communication among different departments and professional fields. With detailed GIS insights, firms can provide their clients with better solutions and gradually increase their clientele.

Moreover, enterprises can identify their top clients and leverage spatial issues to spot regional areas where similar census apply to focus on industry development.

### **4) Better way to record geographical data**

GIS helps in maintaining crucial geographical data and records about the old and new changes in different regions. Several firms are responsible for geographical accounting and keeping track of cultural geographies like a population census, land ownership, and administrative boundaries. Other examples include forest inventories, biological inventories, environmental measurements, agriculture applications, and more. With GIS, managing these types of systems becomes easier and seamless with full transaction support and reporting tools. Government organizations can also use mapping applications to engage with communities and improve policymaking.

#### Top benefits of GIS

1. Improved decision making
2. Reduced operational costs
3. Enhanced communication
4. Better way to record geographical data

Explanation of improved decision making it means after experiencing visual sightseeing of different countries can open a way to make an easy decision to choose right place. And next one, instead of splurging money on travelling to opt wanted place, everyone may travel visually without any effort and money. So next stage is just learning geographical locations uncouthly and it helps to increase knowledge about geographical data.

#### Ways to use in GIS

1. Engineering design
2. Demographic design
3. Demographic analysis
4. Topographic analysis

5. Site selection
6. Watershed analysis
7. Resource inventories
8. Land management
9. Network analysis
10. Spread and diffusion
11. Geoprocess modeling
12. Facility management
13. Resource exploration
14. Logistics routing
15. Transportation modeling
16. Corridor selection
17. Spatial measurement
18. Incident mapping

In the upcoming years, several smart cities are expected to expand GIS use cases further for urban planning, disaster management, and transport management. Cloud computing, artificial intelligence (AI), and machine learning (ML) coupled with GIS analytics software is expected to expand the GIS market in upcoming years.(1)

It is suitable for all activities, and misusing land can waste a lot of resources. To start, farmers and ranchers need to know what types of soils they have on their properties so they can grow food and grazing crops more effectively, as different soils contain different nutrients and properties, so they support different plants. In addition, not all soils are capable of supporting structures, and choosing the wrong soils to develop on could lead to cracked foundations, floods, mudslides, etc.

When it comes to understanding the soil, GIS can be of huge benefit. With the right software, you can instantly view soil reports for any location you choose. These reports show the soil composition, nutrient makeup, and in MapRight's case, the land's capabilities.

### **Understanding The Environment With MapRight**

The environment is essential to our health, happiness, and livelihoods, so accordingly, our relationship with our planet is of the utmost importance. With MapRight, you can gain the insights necessary to better interact with Mother Earth. MapRight users can add as much data and as many layers to their maps as they choose, instantly view soil reports, and even attach aerial photographs, panoramic images, and videos to specific locations. Once their interactive maps are complete, users can send them visually(2)

Economic development is the keystone for productive and successful businesses and GIS models can ensure that there is a stable economic flow that keeps the government and private sector in its best possible shape. Economic developers are always in need for effective tools that will help them record and store information, conduct analysis and disseminate results to make better decisions regarding various economic issues, and GIS can provide such tools.

GIS offers powerful tools and models that can help economic developers find the ways to sustain economic growth and recover from economic distress. GIS models provide the tools for analysis, data assimilation, visualization, modeling and collaboration that help economic developers to look at the

complete picture before they reach a decision. GIS application uses a layer-based model to help economists research and plan through categorized geographical data.

1. Streets
2. Land use
3. Administrative areas
4. Hydrography
5. Elevation
6. Imaginary (3)

### **Conclusion**

In short, significant trends are supposed to improved due to significance of GIS. It opens endless opportunity to everyone especially tourists so that guides neither are nor required or tourists have a chance to stroll city around without a map. Even just imagining about oversea or far away countries a visually makes clear picture of that place on mind. Other trends like tour managing or being rounded with maps, guides cannot be helpful and resourceful as GIS system.

### **Literature resources:**

1. [www.dista.ai.com](http://www.dista.ai.com)
2. [www.mapright.com](http://www.mapright.com)
3. [www.gis-university.com](http://www.gis-university.com)