

## **A Study of Risk Management in Mobility: Key to Provide Comprehensive Blue-Green Sustainable Urban Plan Model to move to Blue-Green Sustainable Mobility in order to create Modern Livable Urban Setting (Case: Germany and Iran)**

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### **Abstract:**

We are living in the world that in needed to change. Rapidly urbanization causes global challenges such as economic problems, environmental challenges, climate change, social instability, health diseases and etc. These challenges threaten the world and humans' being. Therefore, it is vital to struggle with them in order to maintain the world and improve quality of livability and quality of life.

Generally, modern Blue-Green urban areas with high quality of livability and life are proposed to deal with urbanization challenges to maintain the world and improve quality of human life. Based on Prof. Dr. Hamid Doost Mohammadian experience on sustainability such as cooperating with Sustainable Platforms Company, working as an academic leader at IoE Erasmus+ project in Germany since 2017, cooperating with former mayor of Copenhagen, consulting the German MV state Minister of Energy and Infrastructure to cooperate with Iran in 2016; more than 10 years holding lecture internationally about risk and risk management on mobility in different universities like Technical University of Berlin (EUREF Campus, Sustainable Mobility Management and Sustainability Building) and getting a honorary doctorate in Sustainable Development Management, a practical model concerned on risk management in mobility to provide comprehensive sustainable strategic plan is given. Therefore, in this research impact of risk management on mobility to provide sustainable urban plan and mobility in order to create modern Blue-Green livable urban area are explored. Fundamentally, the main goal of the research is to have an applied study about risk management on mobility and utilize it as a key to create comprehensive sustainable urban plan in order to create livable urban area with high quality of livability and life. In addition, the risks in mobility through FMEA model are measured to analyze the risk, do risk mitigation and mobility project improvement to move to sustainable mobility and high sustainability.

**Key words:** Risk management, Blue-Green comprehensive sustainable strategic urban plan, Sustainable mobility, Sustainability, Liveable urban setting, Risk measurement

### **1. Introduction :**

Nowadays, urban settings struggle with rapidly urbanization that creates global challenges such as poverty, environmental problems, climate change, economic challenges, social instability, health diseases and etc. Although cities are becoming the predominant settings for living and working, it is vital to find solutions to deal with global challenges. Fundamentally, sustainable and green comprehensive strategic plan is required to develop sustainable mobility in order to gain modern green urban setting with high livability and quality of life. Tools and techniques such as risk management concerned on mobility are needed to achieve green and sustainable strategic plan. Generally, Risk management could be used as an important tool to improve mobility in order to make livable urban areas.