

Fig 1. Human Development Index

Data

- **Human development index** is obtained from the United Nations Development Program. It is a summary measure of average achievement in key dimensions of human development. [5] (Fig. 1)
- **E-government index** is obtained from the United Nations E-Government Survey. It shows the amount of digital interaction of governments and citizens as well as the consistency of being able to supervise all scales and levels of government authority. [6] (Fig .2)
- **Corruption perception index** is obtained from Transparency International. It uses the perceived degree of corruption in a given country the by analysts and businesspersons population of that country. [7] (Fig.3)

Introduction

- The **intricacy of the construction practices** that sometimes causes the vague atmosphere between clients, partners, and providers, is one of the **Achilles heels of infrastructure projects**.
- This grounds the industry as the most inefficient, corrupted business in the world.
- Governments, in recent years, have made a significant positive effort on **public transparency**. [1-3]
- **E-government** is an effective tool to execute the very subject. Not only e-government helps transparency, but also it provides openness, accountability, the participation of citizens, etc.

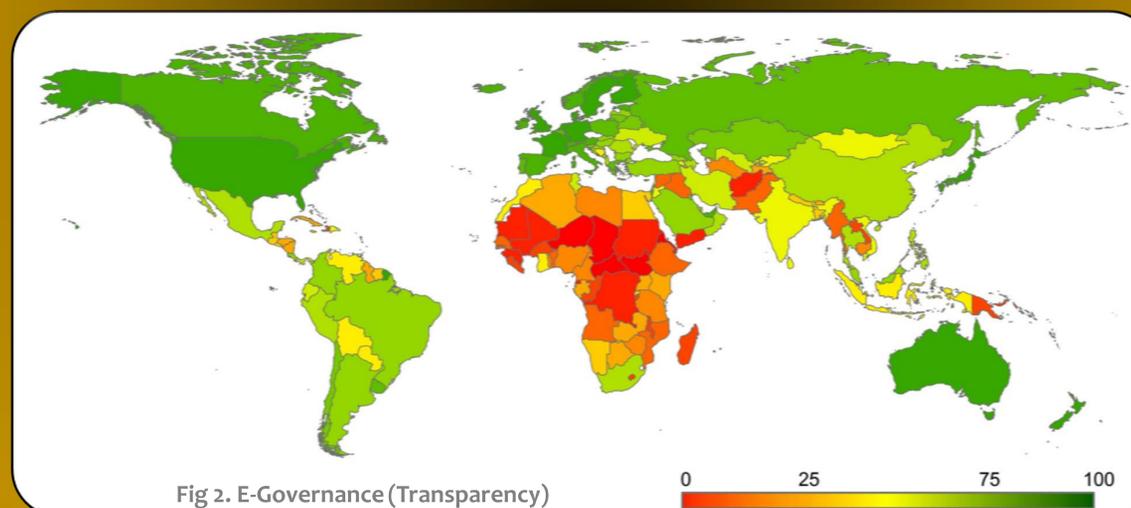


Fig 2. E-Governance (Transparency)

Discussion

E-government is a tool for linking the available **information** and **communication** technologies together to provide **public openness**. However, it is noteworthy to say that **abusing the citizens** using their **private data**, **hiding the available corruption at the top levels** of the **governmental organizations**, etc. are among the common ways which e-government is exploited in some countries.

Objectives

Assessment of the effect of the

- **human development index** and
- **transparency** on the
 - **level of corruption** in the world using
 - GIS

References

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2. Bertot, J.C., et al. Using ICTs to create a culture of transparency: E-government and social media as openness and anti-corruption tools for societies. Gov info qrtly, 2010.
3. Cuillier, D. and S.J. Piotrowski, Internet information-seeking and its relation to support for access to government records. Gov info qrtly, 2009.
4. <http://hdr.undp.org/en/content/human-development-index-hdi>
5. <https://publicadministration.un.org/egovkb/en-us/Reports/UN-E-Government-Survey-2018>
6. https://www.transparency.org/news/feature/corruption_perceptions_index_2017

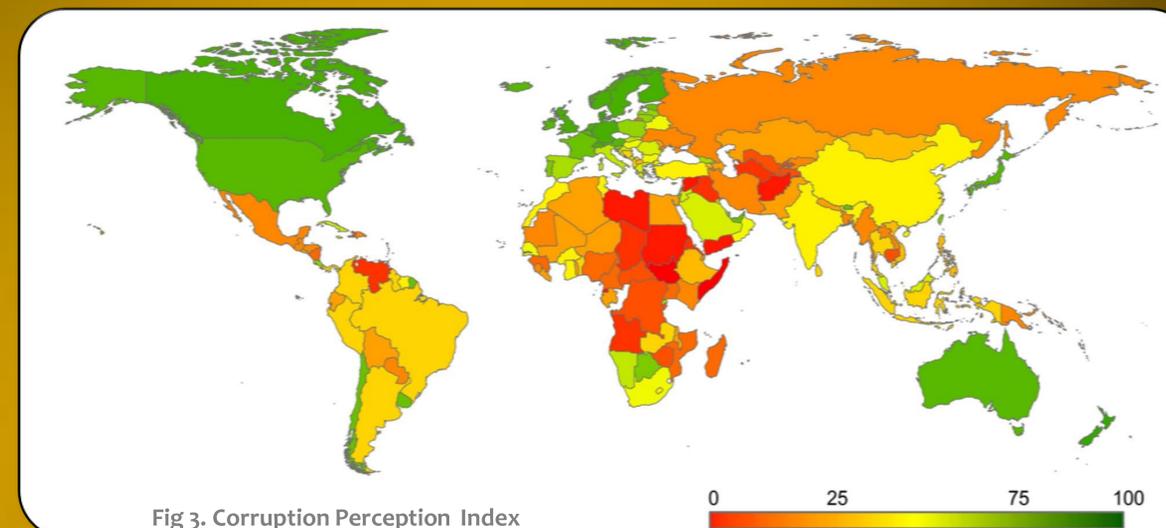


Fig 3. Corruption Perception Index