

ITS TECHNOLOGY AND INNOVATION LAB

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MISSION

The ITS Technology & Innovation Lab (ITSTI) provides a learning platform, exploration space, and technology advice around disruptive technologies. The team's goal is to educate WBG staff on technology and innovation. The team primarily focuses on emerging technologies exploring different technologies that could lead to or leverage different types of data and data collection processes.

Although ITSTI team does not directly work with client countries, the team collaborates and partners with ITS counterparts, internal WBG business units, and external stakeholders to explore, test and understand new technology capabilities that will enable the WBG to fully harness the Digital Age to achieve its mission.

ITSTI launched two initiatives: Artificial Intelligence and Blockchain Labs.

- In January 2018, in line with its mandate and strategic objectives, ITS, through the Technology & Innovation Unit (ITSTI), launched the Artificial Intelligence (AI) Initiative. AI is the application of technology, data and processes to simulate human intelligence and decision making by computational devices.
- Information & Technologies Solutions (ITS) created the Blockchain Lab to serve as a learning, experimentation and collaboration platform on DLT (Distributed Ledger Technologies) and Blockchain inside and outside WBG.

CAPACITY

TEAM

The team consists of around 20 people, mostly data scientists specializing in new tools such as machine learning algorithms

WORKSHOPS/EVENTS

The team works with clients through different GPs across WB and organizes BBLs and training programs for the staff. In terms of learning and knowledge sharing, there is a learning and knowledge team (learndetect). The team produces online resources that can be leveraged to learn about different innovative technologies.

SERVICES OFFERED

ARTIFICIAL INTELLIGENCE (AI) INITIATIVE

- Educate ITS & WBG staff working on internal and external business/operations on potential applications of AI/ML.
- Support WBG teams in their efforts to explore and experiment with AI/Machine Learning (ML) capabilities for solving development problems and possible adoption into services and operations.
- Foster and expand collaboration and partnerships with leaders in the AI/ML field, to equip our staff and organization with the right skills, data, and technology to start "cognitizing" the WBG.

THE BLOCKCHAIN LAB

- Develop use cases focused on specific problems, leveraging collaboration with external experts, thought leaders, technology partners to develop our knowledge, skills and expertise in the DLT space.
- Specialize in Proofs of Value (PoV) use cases about blockchain potential benefits in addressing and solving development challenges.

PRODUCTS

- Prototypes,
- Design workshops
- Proofs of concept
- Proofs of value
- Research reports
- Input on standards
- Input on reports
- Events
- Technology and Strategic Foresight Exercises

PARTNERSHIPS

INTERNAL

- DEC
- Other GPs
- Country offices

EXTERNAL

- World Economic Forum
 - OECD Blockchain Working Group
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OTHER HIGHLIGHTS

To know more about ITS Technology & Innovation Lab (ITSTI):

- Use case - Palm Oil supply Chain
<https://worldbankgroup.sharepoint.com/SITES/RAD/ET/ITSET/AI/Pages/UseCasesDetail.aspx?ID=8>
- Use Case - Bond-I
<https://worldbankgroup.sharepoint.com/SITES/RAD/ET/ITSET/AI/Pages/UseCasesDetail.aspx?ID=16>
- Yammer Groups
- ITS Technology & Innovation
- Blockchain - Legal & Policy Community
- Blockchain - Technology Community
- Blockchain - Security Community
- Artificial Intelligence