



Global

Anti-corruption TechSprint

JUNE 21 - 24, 2022

PARTICIPANT PACKET



US Department of State: <https://twitter.com/StateINL> | <https://www.facebook.com/StateINL>
US Treasury: Twitter: @ustreasury | Insta: @treasurydept | <https://www.facebook.com/USTreasuryDept>
AIR- Alliance for Innovative Regulation: [@AIRinnovate](#) & [LinkedIn](#)



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The opinions, findings and conclusions stated herein are those of AIR and do not necessarily reflect those of the United States Department of State.*



WHY FIGHT CORRUPTION

“Corruption corrodes public trust; makes government less effective; wastes public resources; and eats away at the foundations of democratic societies. Corruption exerts a massive cost on economies and is fundamentally unfair to citizens.”

- US White House, [Fact Sheet](#)

“Corruption threatens United States national security, economic equity, global anti-poverty and development efforts, and democracy itself. But by effectively preventing and countering corruption and demonstrating the advantages of transparent and accountable governance, we can secure a critical advantage for the United States and other democracies”

- President Joe Biden, June 3, 2021

Those that abuse positions of power for private gain steal not just material wealth, but human dignity and welfare.

- US White House, [Briefing](#)

“Corruption is a cancer within the body of societies—a disease that eats at public trust and the ability of governments to deliver for their citizens. The deleterious effects of corruption impact nearly all aspects of society.”

- US White House, [Briefing](#)





TECHNOLOGY IS A POWERFUL TOOL

Historically, global organizations such as the UN and the World Bank, as well as individual governments and select private companies, have countered corruption using non-technology strategies such as public policy, regulation, and pleas for transparency

Until recently, the opportunity to apply technology innovation to this challenge was very limited. Today, however, the worldwide explosion of digitized data, combined with data analysis techniques that leverage artificial intelligence and machine learning, are opening up the potential for new kinds of anticorruption strategies.

Now is the time to consider how we can use technology to address this formidable challenge. New technologies and new applications for existing technologies are being developed at an accelerating pace. These tools can be highly effective in detecting the flow of funds in illicit transactions, both for traditional currencies and emerging payments methods such as cryptocurrencies. APIs and cloud computing can enable instantaneous data sharing, while privacy-enhancing technologies can keep information secure.



TECHSPRINT - THE BASICS



TechSprints:

- Foster collaboration
- Increase shared understanding of emerging technologies
- Provide greater visibility into technological challenges in a specified policy area
- Highlight regulatory impediments that can slow innovation

- Technologists and subject matter experts (SMEs) collaborate intensively for a short period of time to solve specific problems and build prototype solutions
- TechSprints bring together disparate members of the financial ecosystem to tackle problems that are challenging to solve in isolation



THE SPIRIT OF THE TECHSPRINT

TechSprints are creative ideation events, and participants are collaborative co-inventors. The most interesting ideas result from strong collaboration among participants from different organizations and disciplines.

Participants approach a TechSprint with an open mind and willingness to share.

KEY ELEMENTS

Mission

We have a common mission to use technology for good

Collaboration

Share openly with your team and across teams

Diversity

Leverage an array of skills, experience and perspective



ABOUT THE ASET GLOBAL TECHSPRINT

The TechSprint is a creative collaboration exercise that will focus on the **development of new and the elaboration of existing technologies that can be leveraged to combat corruption.**

The TechSprint will bring together leaders and experts in government, law enforcement, civil society, financial institutions, financial technology (fintech), academia and the private sector to explore bold, practicable ideas in the application of technology to combat corruption.



TechSprint teams will develop their prototype solutions on June 21 -23, 2022.

The Sprint culminates in a **Demo Day conference on Friday, June 24, 2022** where the teams will present their innovative solutions to a distinguished panel of judges and to an audience of global leaders drawn from government, industry, and NGO's.



ASET GOALS

ASET - Anticorruption Solutions through Emerging Technologies is a multi-pronged program aimed at exploring how innovation and technology can be used to prevent, deter and combat corruption

Prevent, deter, and combat corruption internationally through the adoption and use of technology



Spur multiplier effect through which stakeholders across sectors (government, civil society, and private sector) hold their own TechSprints



Increased multilateral cooperation to share technological solutions and promote their adoption



Increased public-private cooperation to develop innovative solutions to combat corruption



In June 2022, ASET will run two parallel innovation competitions

1. **A global virtual TechSprint** (AIR-Alliance for Innovative Regulation)
2. **A local hackathon in South Africa** (Accountability Lab)



ASET GLOBAL TECHSPRINT - OBJECTIVES

1

Explore and seek to demonstrate the use of technology as a viable tool in the fight against corruption and surface solution ideas for potential development and adoption

2

Build awareness of TechSprints as an innovation tool to inspire the design of technological anti-corruption solutions

3

Foster multilateral cooperation to maximize impact and achieve scale



ASET TECHSPRINT OVERVIEW

HOSTS

Partners

- The Bureau of International Narcotics and Law Enforcement Affairs (INL)
- U.S. Department of State and the Office of Terrorist Financing and Financial Crimes (TFFC) of the U.S. Department of the Treasury
- AIR – Alliance for Innovative Regulation

DATE

June 21 – 24, 2022

[TechSprint Registration](#)

FORMAT

Virtual event using

- NayaOne TechSprint Platform
- Zoom video conferencing

PARTICIPANTS

Seeking individuals

- U.S. and international
- Representing: Government Agencies, International NGOs, Civil Society, Tech Firms, Fintechs, Policy Makers, Advocates, Financial Institutions, Consultants, Academics



Creating Solutions

Based on input from industry and governing communities, teams are asked to focus on developing innovative technologies to resolve problems on **detecting corruption; data interoperability, connection, and, integration;** and **vendors/end users** for this Techsprint.

Teams are encouraged to customize the problem statements to their interest area.



PROBLEM STATEMENTS: DETECTING CORRUPTION

PROBLEM STATEMENT

DETAILED USE CASES

1

How can we leverage technology to analyze the data and identify patterns to detect suspected corrupt activity?

2

How can technology ensure that financial, commercial, and government activities involving public assets (procurement or sale of natural resources) and their associated **metadata** are captured and documented accurately?

How can technology identify transactions suspected of arising from corrupt activities or identify associated **static** and **dynamic networks**?

How can we create low-cost, highly scalable, publicly available, accurate information and tools that can help governments and the private sector better detect and disrupt corruption while minimizing false positives?

How can technology enable secure real-time, contextualized information that the public and interested stakeholders can use to identify and report corruption in order to take appropriate action?

How can we use deep or reinforcement learning, simulation techniques, or agent-based modeling techniques to predict new approaches to hiding corrupt activities and proceeds?



PROBLEM STATEMENTS: DATA INTEROPERABILITY, CONNECTION, & INTEGRATION

PROBLEM STATEMENT

DETAILED USE CASES

3

How can (emerging) technology enable **interoperability** and resolve inconsistencies in data formats?

How can we prevent data from staying siloed?

How can we better connect public/private datasets with **open data** sources to identify corruption?

How can technology facilitate data integration to enable efficient analysis of large amounts of **structured** and **unstructured data** from both traditional and nontraditional sources to predict, report, and alert illicit behavior?

How can we identify new data sources that could inform how, where, why, and when corruption takes place in an organization (going beyond transactional data)?



PROBLEM STATEMENTS: VENDORS/END USER

PROBLEM STATEMENT

DETAILED USE CASES

4

How can businesses and financial institutions with limited resources and technical capacity select reliable service providers to enable them to identify and verify **beneficial ownership**?

How can we leverage technology to enable secure information sharing between law enforcement and civil society/private sector (and/or international law enforcement information sharing)?

How can businesses better use technology to share information on suppliers/third and fourth parties to reduce the burden and costs of due diligence (collective action)?



THEMES AND TECHNOLOGIES

When creating solutions: Account for abuse, misuse, and surveillance. Think through privacy concerns and regulations. Consider national and international use. Identify who the end user would be for the solution, and what segment of anticorruption it should be applied to. Teams are encouraged to customize the problem statements to their interest area.

Corruption Segments

- Supply Chain
- Public Procurement
- Infrastructure
- Natural Resource Extraction
- Beneficial Ownership

Emerging Technologies

- Blockchain
- Machine Learning
- Natural Language Processing
- Artificial Intelligence
- Deep Learning
- Graph / network analytics
- Privacy Enhancing Technologies (PETs)
- Quantum
- Citizen Science Platforms

TechSprint solutions can be focused on, but are not limited to, these corruption segments and emerging technologies



TECHSPRINT ROLES

Each team will be made up of, but not restricted to, the roles below. An individual on a team could play many or just one role -- innovative collaboration & flexibility are key. We are happy to discuss variations that may align with your interests.

Team Roles

Designer – You are the big ideas person who can make unicorns and hit moonshots. You know the right design to make the moving parts fit together seamlessly.

Domain Expert – You have in-depth knowledge about products, services, laws and policies related to corruption, anticorruption solutions, and/or financial crime.

Front End Developer – You make buttons do stuff. You make screens transition. You take the designs and make them function, making sure the user flow works correctly.

Communicator – You know how to sell anything. You spin product descriptions to be irresistible commodities. You will also present team updates to the TechSprint Inspiration Community.

Back End Developer – You work with APIs, you know data well and are prepared to manipulate it for good. You glue stuff together to make it all work seamlessly.

Team Leader – In addition to a team role, you will be responsible for curating your team, managing its timeline and deliverables, and acting as point person for organizers.

Floating Roles

Scrum Masters – You will work with the teams, unblock the blockers and provide feedback on the solutions built during the TechSprint.

Business Experts – You know the corruption landscape and understand the use cases and the current issues this TechSprint is trying to solve.

Technical Support – You will provide help with technical issues that will arise during the TechSprint, to help teams overcome any of these hurdles that get in their way.



ILLUSTRATIVE TEAM STRUCTURE

Team



Floating Roles

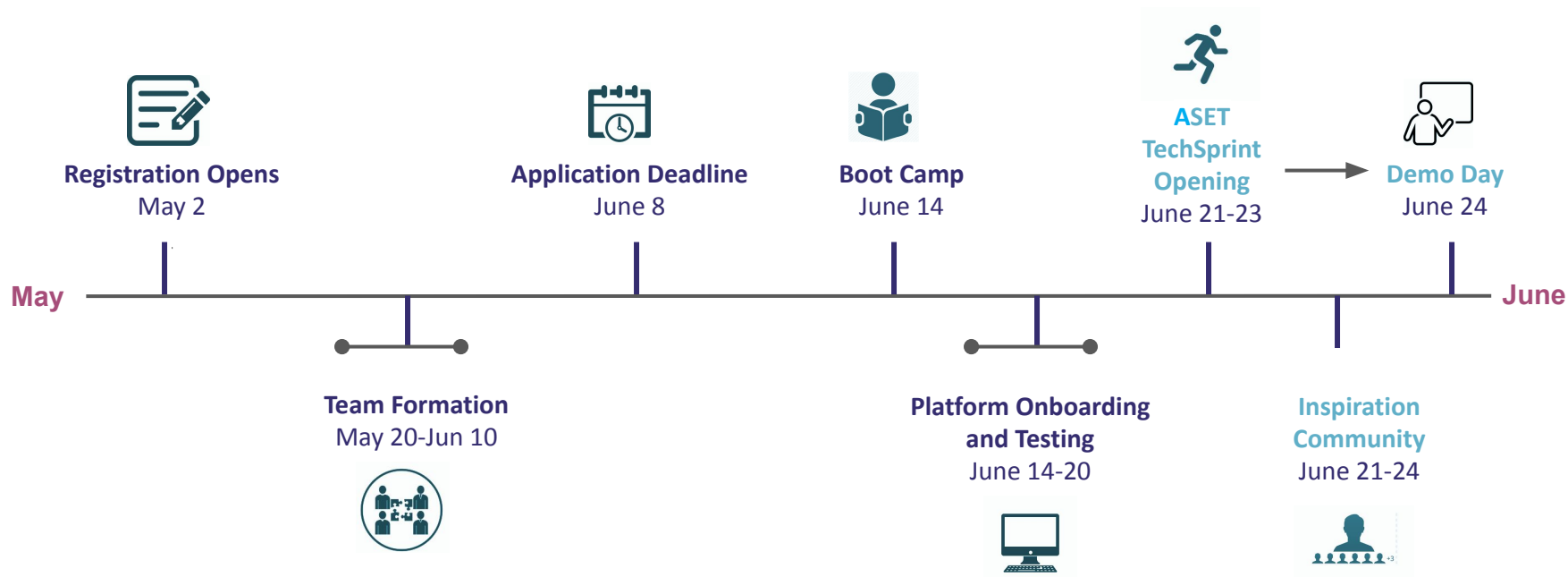
- Scrum Master
- Business Expert
- Technical Support

Stakeholders

- Government Agencies
- International NGOs
- Civil Society
- Tech Firms
- Fintechs
- Policy Makers
- Advocates
- Financial Institutions
- Consultants
- Academics



TIMELINE





BOOT CAMP

Date: Thursday, June 14, 2022 | 9:00 - 10:30 AM (ET)

All participants must attend

Purpose

Opportunity to learn about the problem statements, data, platforms and logistics

Objectives

- Review key dates and times
- Learn the basics of corruption and anti corruption efforts
- Explore the TechSprint problem statements and Use Cases
- Introduce platform and data available
- Identify key resources needed
- Ask questions

Agenda

Introduction

Background

- Challenge
- Research

Problem Statements / Use Cases

Data and Platforms

TechSprint Logistics

Ground Rules



TECHSPRINT AT A GLANCE

Sprinters will need to commit three full days to solution building and will also be required to attend Demo Day on Friday

Tuesday

Friday

Welcome

Introduction and
Kick-off



Solution Building



Solution Building



Demo Day with
Keynote Speakers
and Team
Presentation



Inspiration Community Program



TECHSPRINT JUDGING



Fast Award – for the prototype most ready for deployment into production and use in the financial services industry.



Eureka Award – for the prototype which most excited and/or surprised the judges due to its creativity and ingenuity.



Jump Award – for the prototype with the most potential to transform and modernise the industry; to enable a giant leap forward.



SHARE THE EXCITEMENT

Participants can discuss their involvement in the TechSprint, but should follow these guidelines



TechSprint Promotion

Please wait to begin promoting the event until we communicate that the participants are finalized and announced publicly



Press

Any wider communications like a press release or other digital content that refer to the TechSprint need to be agreed upon with AIR prior to release



Social Media

Participants are encouraged to post on social media after this announcement and during and after the TechSprint using **#ASETtechsprint**



Privacy

A firm's communications cannot reference other participating firms or address other firms' data



TECHSPRINT RULES AND RELEASES

[Official TechSprint Rules](#)

[Privacy Act Statement](#)

[Statement of Eligibility / License / Release](#)



Next Steps and Contact Info

We look forward to seeing you at the Boot Camp and TechSprint. If you have any further questions in advance of the event please do not hesitate to get in touch.



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<https://www.anticorruptiontechsprint.org/>

[TechSprint Registration](#)



www.RegulationInnovation.org



GLOSSARY

Beneficial owner is a real person who owns or controls an entity.

Dynamic networks vary over time; their vertices are often not binary and instead represent a probability for having a link between two nodes. Statistical approaches or computer simulations are often necessary to explore how such networks evolve, adapt or respond to external intervention.

Interoperability is the ability to use resources from diverse origins as if they had been designed as parts of a single system.

Metadata is data that describes other data, providing a structured reference that helps to sort and identify attributes of the information it describes.

Natural resources are natural assets (raw materials) occurring in nature that can be used for economic production or consumption.

Open data is data that anyone can access, use and share. Governments, businesses and individuals can use open data to bring about social, economic and environmental benefits.

Static networks never change. With static networks, many different properties regarding the patterns of connectivity between nodes can be quantified, for example through centrality measures, hub detection, small-world properties, clustering, and efficiency.

Structured data is data that adheres to a pre-defined data model and is therefore straightforward to analyze.

Unstructured data is information that either does not have a predefined data model or is not organized in a pre-defined manner.