

# Challenge 1: Tech for Good

“Open Data, Partnerships, Public Good”

This challenge is proudly sponsored by Oracle.

## 1. Challenge Statement

In this challenge, pick [any of the UN Sustainable Development Goals](#) and show us:

***How might we form partnerships and build key solutions for 'data, monitoring and accountability' to not only support the reporting around the SDG but also how we can create new and unique opportunities that help during times of change?***

Participants may use any open government dataset for this challenge.

## 2. Background Narrative

#ItTakesAVillage #DrivenByData

The United Nation’s Sustainable Development Goals (SDGs) offer a comprehensive blueprint towards achieving a better and more sustainable future for all. But which is most important? Often, the headline grabbing topics like climate change, health, education, and poverty are top of the list. However, progress in any of these areas is impossible without significant achievements being first made on SDG 17, which highlights the need for partnership in action.

Think of all the ongoing man-made and natural disasters we have seen across the world. None can be solved by one nation, organisation, or individual alone – it takes a village to provide strong, collaborative and coordinated responses.

This is why we have picked Sustainable Development Goal (SDG) #17, and in particular 17.17, which seeks to "*Encourage and promote effective public, public-private and civil society partnerships, building on the experience and resourcing strategies of partnerships - data, monitoring and accountability*". This aligns with Oracle's mission "... to help people see data in new ways, discover insights, unlock endless possibilities."



### Bonus points

You can gain two (2) bonus points by using **Oracle APEX** as part of your solution submission in this challenge (#1).

You can gain one (1) bonus points by using **any component of the IPFS / Filecoin Technology suite** or **Polygon technology suite** as part of your solution submission in this challenge (#1)

Submissions are scored out of 35 points as listed in our judges guide linked below.

**Please see the developer resources and support, see the links below and contact any mentors in the #oracle-support channel in our discord.**

### **3. Where to start?**

We know that what often seems like the hardest part of any hackathon challenge is getting started and deciding what problem to tackle. To help give you a kick start, here are some ideas that might inspire you.

#### **Example #1: Improve disaster relief procedures and supply chains**

In recent years, climate change and man-made events have displaced whole communities if not populations from their villages and countries, in what must be very confusing and very confronting situations. At the same time, we've seen mass supply chain disruption, resulting in mass shortages of medicines, food and other essential items.

**Imagine...** displaced individuals trying to work out whether to stay put, or if not, where to go, what to take with them, safe passage, and what do when they arrive at a new location. At the same time, we know that so many people in these situations want to help, making offers of refuge and support via social media, and that often that grant or charitable funding is available, but often comes with strings attached.

What sort of ecosystems are needed and how could data be used to help bridge the many gaps that exist?

#### **Example #2: Reduce waste in society**

Aid is a key part of any disaster response, but not all aid creates value. We've all heard stories of well-meaning donations clogging up relief systems and leading to mountains of unwanted items. There are also other issues surrounding waste - such as electronics, electric vehicle batteries, or fast fashion refuse being 'dumped'. Think of the vast amounts of left-over food that exists from homes, hospitals and supermarkets while at the same time nearly one in three people doesn't have access to enough food.

**Imagine...** the challenges faced by small, charitable organisations, trying to match donations to demand, and having to deal with variable quality of goods, where many are not saleable or cannot be used.

How might they find better ways to identify what is needed, improve the quality donations or connect with others to create a value path for what they don't need or can't use?

#### **Example #3: Nurture the talents, skills and job for future economic growth**

When it comes to education and employment, many conundrums still exist. As a student, how do you get a job without the experience, as an employer how do you fill gaps when the skills don't exist, or at least not locally, or the salaries are beyond your budget? In today's world of change, how do you unlock the value in key groups, such as mums going back to work?

Hackathons, such as this, are just one way for individuals to learn new skills, organisations to engage with their prospective employees [this news article](#), and universities and education institutions to improve their engagement with industry partners and provide a more integrated learning experience.

**Imagine...** how recent graduates might identify how to better recognise opportunities to differentiate themselves and be more connected and more visible with companies that they are interested in. Or use the World Indicators of Skills for Employment ([WISE](#)) database to see how data can be used to help better match of skills with changing requirements in a specific context for a specific outcome.

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#### **4. About the Lead Sponsor: Oracle**

We're a cloud technology company that provides organisations around the world with computing infrastructure and software to help them innovate and unlock efficiencies. We also created the world's first – and only – autonomous database to help organise and secure customers' data. Oracle cloud applications provide business leaders with modern applications that help them innovate, attain sustainable growth and become more resilient. The work we do is not only transforming business – it's helping defend governments, and advance scientific and medical research. Millions of people use our tools to streamline supply chains, make HR more human, quickly pivot to a new financial plan, and connect data and people around the world.

[Website](#) | [LinkedIn](#) | [Twitter](#) | [Slack](#)

**Oracle APEX** is a #NoCode #LowCode for application development, API development, data visualisation and data management - all in the one platform. It enables you to build beautiful responsive web apps suitable for both desktop and mobile devices in minutes using just a web browser.

Everyone can register for an APEX workspace including mentors.

[To get your own APEX workspace, head to this link](#) and complete the form. You will receive an email soon after and continue to follow the instructions. You don't have to wait for anything get your own workspace now.

Here are some links to help you get started and explore the APEX platform.

- [Understand APEX Features](#)
- [Learn APEX on YouTube](#)
- [Learn APEX by doing with these APEX Tutorials](#)
- [See what else is available in the APEX Community](#)

#### **5. Support on Discord**

For direct support from our sponsors, please visit the following channels in our [discord server](#):

- #rules-and-guidelines: List of links to resources, team requests and submission links
- #1-tech-for-good: Challenge details for this challenge
- #oracle-support: Support from Oracle affiliated mentors
- Judging guide (criteria set out of 35 points): <https://bit.ly/37WJWfk>

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