

# PROJECT RESILIENCE

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Introduction to Working Group 2 - Data



# PROJECT RESILIENCE



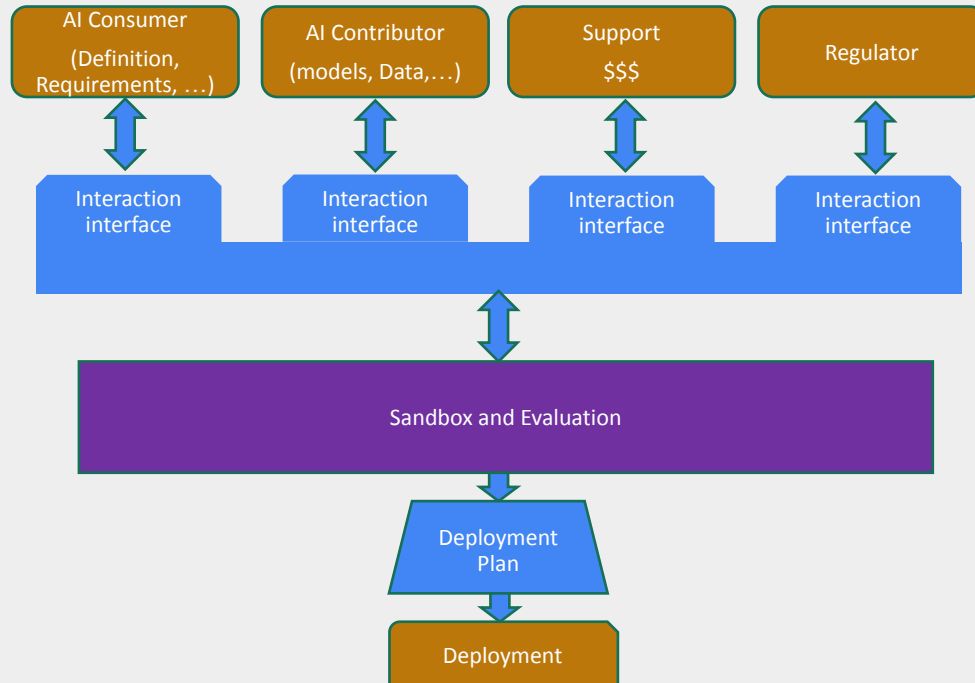
A platform allowing collaboration on building predictive and prescriptive models that can be used by any community



Identifying data and guidelines to support sustainable models.



Focus on multi stakeholders and variety of users globally



## High Level View

# Working Group 2



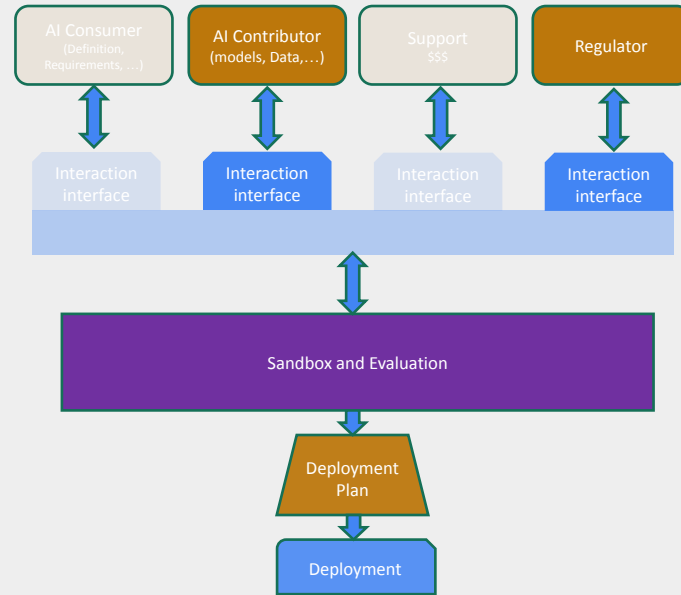
## DATA CONTRIBUTIONS

**Chairs:** Gyu Myoung Lee, Toby Philips

# The Resilience Project

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## Data



# Data Contributions - In coordination with other WGs

## Data sharing in a standardized way with interoperable interfaces

- To identify contributors and their roles (relationships) as data suppliers (sources)
- To convert collected data into publicly available data and/or data sets
- To validate data quality with appropriate KPIs
- To support data clearing house as a platform to aggregate the data
- To curate data with common data models for shared taxonomy
- To support data features (context/action/ outcomes) and repositories (local storages)
- To support data life cycle management
- To ensure security, privacy, and trust as well as legal compliance including data ownership

# DATA WG

## Goals & Mandate

1

Guidelines for data contribution to Project Resilience

2


Specifications for interoperable data sharing for AI/ML

3

Case studies for creating publicly available data/datasets and sharing them

# Phase 1 (October 2021 ~ January 2022)

## Deliverable #1: Guidelines for data contribution to Project Resilience (Version 1)



Data value chain and involved contributors  
Requirements analysis for publicly available data/datasets

- What type of data/datasets
- What types of standards

Security and privacy concerns and legal compliance

## Deliverable #2: Review of existing standards on data

Gap analysis of existing standards  
Identification of potential work items to be standardized



# Phase 2 (February 2022 ~ December 2022)

## Deliverable #3: Guidelines for data contribution to Project Resilience (Version 2)

- More detailed guidelines based on the first deliverable on guidelines
- Compliant with the FAIR Data Principles (Findable, Accessible, Interoperable and Reusable)
- Interoperable data sharing considering the link with MVP and data life cycle (input data – trained data – output data (and reuse) with annotating/labelling of three features - context/action/outcomes)
- Identification of technical challenges, tools as well as potential risks

## Deliverable #4: Specifications for interoperable data sharing for AI/ML

- In-depth analysis of technical choices and development of technical specifications
- Relevant standardization activities in ITU-T collaborating with other SDOs

## Deliverable #5: Case studies for creating publicly available data/datasets and sharing them

- Sharing experience among contributors

The background features abstract, textured brushstrokes in various shades of green and blue, creating a layered and artistic effect. The colors transition from a lighter, yellowish-green at the top to a deeper, darker blue at the bottom.

# HOW TO PARTICIPATE

# HOW TO CONTRIBUTE

Open source models for both prediction and prescription around COVID19 and future pandemics

Expertise and time to collate, enhance and implement models

Public and private datasets that might enhance and / or focus these efforts

Time and skills associated with building tools and frameworks to make AI available to the non-data science community.

# Who should join



Tech program management



AI/ML



Data Science



Dev and System Ops



UI/UX



Legal / Security / Privacy

## How to connect

- **Slack:** [bit.ly/project-resilience](https://bit.ly/project-resilience)
- email: [pr@ai-commons.org](mailto:pr@ai-commons.org)