

# Project Background

## About the Client

Eratos is a platform that functions as the digital infrastructure for data-driven operations and decision-making for the natural and built worlds. Eratos has worked with CSIRO to develop a technology "stack" from streaming data from IoT sensors and edge computing to federating all of Australia's climate data, models, and frameworks from many disparate sources.

## Project Goal

The project is to develop a standalone web application which enables users to perform data-related operation and management that supported by the Eratos core functions. The application is designed to separate in to the front-end and the back-end. The front-end development will include building both user-front and admin-front where the application collects the user input and requests and send them through to the back-end for further processing, whereas the back-end development will focus on building the gateway nodes to connect the Eratos API for forwarding the user requests and back forwarding the returning data.

## About the Developing teams

The project team is formed with 3 major teams: Admin Frontend team, User Frontend team, and Backend team. Each team contains 5 developers. Each member has corresponding roles and responsibilities which is described as follow:

Admin Frontend team:

[Shijia Li](#) Product Leader  
[Jiaxuan FENG](#) Scrum Leader  
[Ning Han](#) Scrum Master and Architecture Leader  
[YONGJIE LIU](#) Quality Assurance Leader and Deployment Leader  
[Zheng SHI](#) Deployment Leader

User Frontend team:

[Yuhao Wang](#) Product Owner  
[Ziwei CUI](#) Scrum Master  
[YiZi Han Yuxiang Liao](#) Development Team  
[Ruocheng Ning](#) Quality Assurance

Backend team:

[Kelvin Wijaya Wijaya](#) Product Owner  
[Yan Dai](#) Scrum Master  
[Aditya Vikram Khandelwal DEYOU ZOU](#) Technical Leads, Development Environment Engineers  
[En Wen Tsai](#) Quality Assurance