DATA FLOW DIAGRAM

Date	27October 2023
Team ID	NM2023TMID06771
Project Name	Climate Tracksmart Using Blockchain
Maximum Marks	4 Marks

User Stories:

User Story	Functional Requirements	User Story Number	User Story/Task	Acceptance Criteria	Priority	Team Members
Collect climate data	Data Collection:	1	I want to integrate IOT devices with block chain.	Collect	High	Ananthi.R
Verify climate data	Data Verification:	2	I want a mechanism to verify the authenticity of climate data,	Verify	Medium	Ashika.S
Provide transparent access to climate data	Transparency:	3	I want the block chain based climate tracking system to provide transparent access to climate data	Transfer	Medium	Shenbaga Janani.A.S
Ensuring data integrity in climate data	Data Integrity:	4	I want to ensure the data integrity of climate related information	Security	Low	Dhivya.T

Data Flow Diagrams

Regenerative Agriculture → Satellite Remote Sensing Data → Chainlink Network → AIRS Hybrid Smart Contract → Stewards of Regenerative Agriculture

AIRS contract uses satellite data to reward stewards of targeted regenerate agriculture who improve the planet's climate
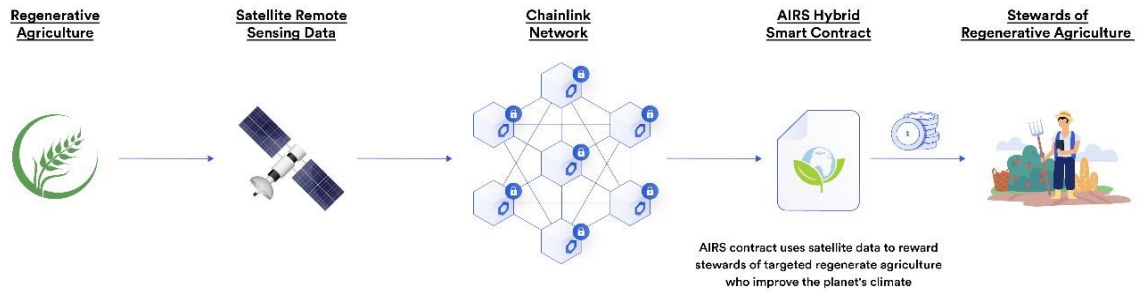
5.2 Solution Architecture