**KPIs: Land Type Classification using Sentinel-2 Satellite Images**

**1. Model Accuracy:**

* **Target**: Achieve at least 90% accuracy on the test set.
* **Measurement**: Evaluate using classification metrics like accuracy, precision, recall, and F1-score.

**2. Response Time:**

* **Target**: Ensure the deployed model responds within 2 seconds for each classification request.
* **Measurement**: Monitor response time using tools like Prometheus or Grafana.

**3. System Uptime:**

* **Target**: Maintain 99.9% system uptime for the deployed model.
* **Measurement**: Track uptime using cloud monitoring tools like AWS CloudWatch or Google Cloud Monitoring.

**4. User Adoption Rate:**

* **Target**: Achieve a user adoption rate of 80% within the first 3 months of deployment.
* **Measurement**: Track the number of active users and their feedback through surveys or usage analytics.

**5. Model Retraining Frequency:**

* **Target**: Retrain the model every 3 months to incorporate new data and maintain accuracy.
* **Measurement**: Monitor model performance and schedule retraining based on accuracy drops or new data availability.