

# Environmental impact assessment automation

This workflow automatically conducts environmental impact assessments for new projects by collecting baseline data, analyzing potential impacts, and generating compliance reports. It reduces assessment time from weeks to days while ensuring regulatory compliance and stakeholder notification.

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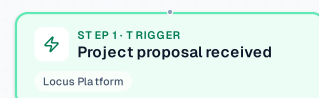


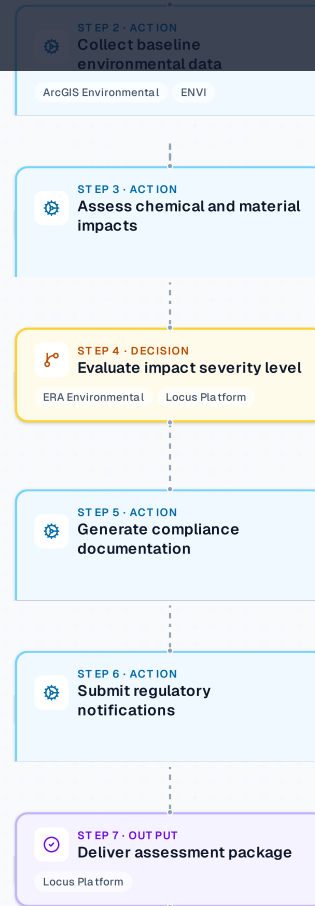
## WORKFLOW TRIGGER

New project proposal submitted requiring environmental impact assessment

## Visual Flow

Each node represents an automated step. Connections show how data and decisions move through the workflow.





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## Step-by-Step Breakdown

Detailed explanation of each automated stage in the workflow.

1

⚡ TRIGGER

### Project proposal received

Environmental impact assessment workflow initiates when a new development or industrial project proposal is submitted to the system.

Project details including location, scope, and activities are automatically extracted.

Locus Platform

2

 ACTION

## Collect baseline environmental data

System automatically gathers historical environmental data for the project area including air quality, water resources, soil conditions, and wildlife habitats. Satellite imagery and GIS data are integrated for comprehensive site analysis.

ArcGIS Environmental

ENVI

Locus Platform

3

 ACTION

## Assess chemical and material impacts

Database lookup identifies potential chemical hazards and material impacts based on project activities. Safety data sheets and environmental fate data are automatically retrieved and analyzed.

ChemWatch

ERA Environmental

4

 DECISION

## Evaluate impact severity level

AI algorithms analyze collected data to determine if environmental impacts exceed regulatory thresholds. Projects are classified as low, moderate, or high impact based on predefined criteria.

ERA Environmental

Locus Platform

5

### Generate compliance documentation

System automatically creates required environmental impact reports, permit applications, and regulatory filings based on impact level classification. Documents are formatted according to local and federal requirements.

Enviance

ERA Environmental

6

 ACTION

### Submit regulatory notifications

Compliance documents and impact assessments are automatically submitted to relevant environmental agencies and regulatory bodies. Stakeholder notifications are sent to affected communities and interested parties.

Enviance

Locus Platform

7

 OUTPUT

### Deliver assessment package

Complete environmental impact assessment package is delivered including executive summary, detailed impact analysis, mitigation recommendations, and monitoring requirements. All documentation is archived for future reference and auditing.

Locus Platform



## Outputs

- Environmental impact assessment report
- Regulatory compliance documentation
- Stakeholder notification records
- Mitigation and monitoring plan



## Key Metrics

- Assessment completion time
- Regulatory approval rate
- Impact prediction accuracy



## Tools & Integrations

- Locus Platform
- ArcGIS Environmental
- ENVI
- ChemWatch
- ERA Environmental
- Enviance

## AI Business OS

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