

NVision Rapid Image Processing and Distribution System for Satellite Data Commercialization in Vertical Industries

JACIE 2007



A Solution for Modern Remote Sensing

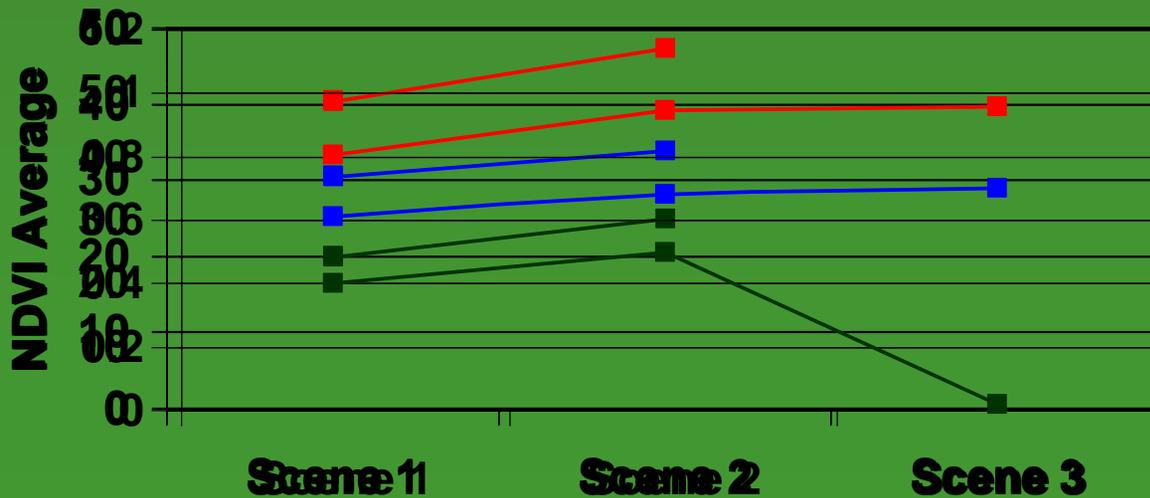


- All Source
- Any Processing Algorithm
- Automated Change-Detection
- Automated Notification
- Web-Based

CropEx Concept



CropEx Signature Chart



CropEx Tour

Secure Web login, role-based security

CropEx



Please Log In

Username:

Password:

Login



CropEx Tour



Personal start page with AOI data alerts

CropEx

- Home
- Manage Farm List
- Admin Tasks
- Account Options
- Log Out



Welcome, Alex

Your Alert List

The following fields have recent signature changes within your alert threshold

- | Field | Farm |
|----------------------------|---------------------|
| testfield1 | Farmer Brown's Farm |



Your Farm List

Click on a farm to view details in the column to the right

- [Farmer Brown's Farm](#)
- [Farmer Jim's Farm](#)
- [Yet Another Patch of Dirt](#)

CropEx Tour



Temporal change displayed as graphs

CropEx

- Home
- Manage Farm List
- Admin Tasks
- Account Options
- Log Out

Details for testfield1

[<< Back to Field Selection Page](#)

Signature Chart

Date	Signature	Field Image
2007-01-18 15:49:51.359	22.4	Download Image
2007-01-18 15:49:54.015	28.37867	Download Image
2007-01-18 15:50:00.14	20.37867	Download Image
2007-01-18 15:50:02.828	22.92	Download Image
2007-01-22 15:41:35.578	28.92	Download Image
2007-01-22 15:43:48.656	26.92	Download Image
2007-01-22 16:01:25.437	20.92	Download Image
2007-01-22 16:04:24.5	20.9341	Download Image
2007-01-22 16:04:39.546	8.4341	Download Image

Signature Readings

Date	Signature	Field Image
2007-01-18 15:49:51.359	22.4	Download Image
2007-01-18 15:49:54.015	28.37867	Download Image
2007-01-18 15:50:00.14	20.37867	Download Image
2007-01-18 15:50:02.828	22.92	Download Image
2007-01-22 15:41:35.578	28.92	Download Image
2007-01-22 15:43:48.656	26.92	Download Image
2007-01-22 16:01:25.437	20.92	Download Image
2007-01-22 16:04:24.5	20.9341	Download Image
2007-01-22 16:04:39.546	8.4341	Download Image

© 2006, N-Vision Solutions, Inc.

CropEx Tour

Quick previews for each AOI in each scene



CropEx Tour

Set alert thresholds for AOs



CropEx

Home

Manage Farm List

Admin Tasks

Account Options

Log Out

Account Options

[Change Password](#) | [Change Alert Threshold](#)

Alert Threshold:

Submit

CropEx Tour



Multiple AOs grouped by location or theme

CropEx

Home

Manage Farm List

Admin Tasks

Account Options

Log Out



NVision
Solutions inc

Welcome, Alex

Your Alert List

The following fields have recent signature changes within your alert threshold

- | Field | Farm |
|----------------------------|---------------------|
| testfield1 | Farmer Brown's Farm |

Your Farm List

Click on a farm to view details in the column to the right

- [Farmer Brown's Farm](#)
- [Farmer Jim's Farm](#)
- [Yet Another Patch of Dirt](#)

Farm Details

Farmer Brown's Farm

Field Name	Acres
testfield1	55.5
testfield3	98.3



CropEx Tour



AOI groups fall into stakeholder groups

CropEx

Home

Manage Farm List

Admin Tasks

Account Options

Log Out



NVision
Solutions inc

Manage Farm List

Current Farm List

- Farmer Brown's Farm
- Farmer Jim's Farm
- Yet Another Test Farm Entry

Remove Selected Farms

Select Farms to Add

- A Test Farm Entry
- Another Test Farm Entry

Add Selected Farms

© 2006, NVision Solutions, Inc.
Funded by NASA Cooperative Agreement NNS06AB62A.

CropEx Tour



Complete user management interface

CropEx

Home

Manage Farm List

Admin Tasks

Account Options

Log Out



Admin Tasks

[Add New User](#) | [Remove User](#) | [Change User Role](#)

First Name:	<input type="text" value="Joe"/>
Last Name:	<input type="text" value="Smith"/>
User Name:	<input type="text" value="jsmith"/>
Password:	<input type="password" value="*****"/>
Re-Enter Password:	<input type="password" value="*****"/>
Select User Role:	<input type="text" value="Consultant"/> ▼
Phone Number:	<input type="text" value="111-555-3333"/>
Alternate Phone Number:	<input type="text" value="222-555-1212"/>
Address:	<input type="text" value="123 Test Street, New Or"/>

CropEx Tour

Users have roles with specific access rights



CropEx

Home

Manage Farm List

Admin Tasks

Account Options

Log Out



NVision
Solutions inc

Admin Tasks

[Add New User](#) | [Remove User](#) | [Change User Role](#)

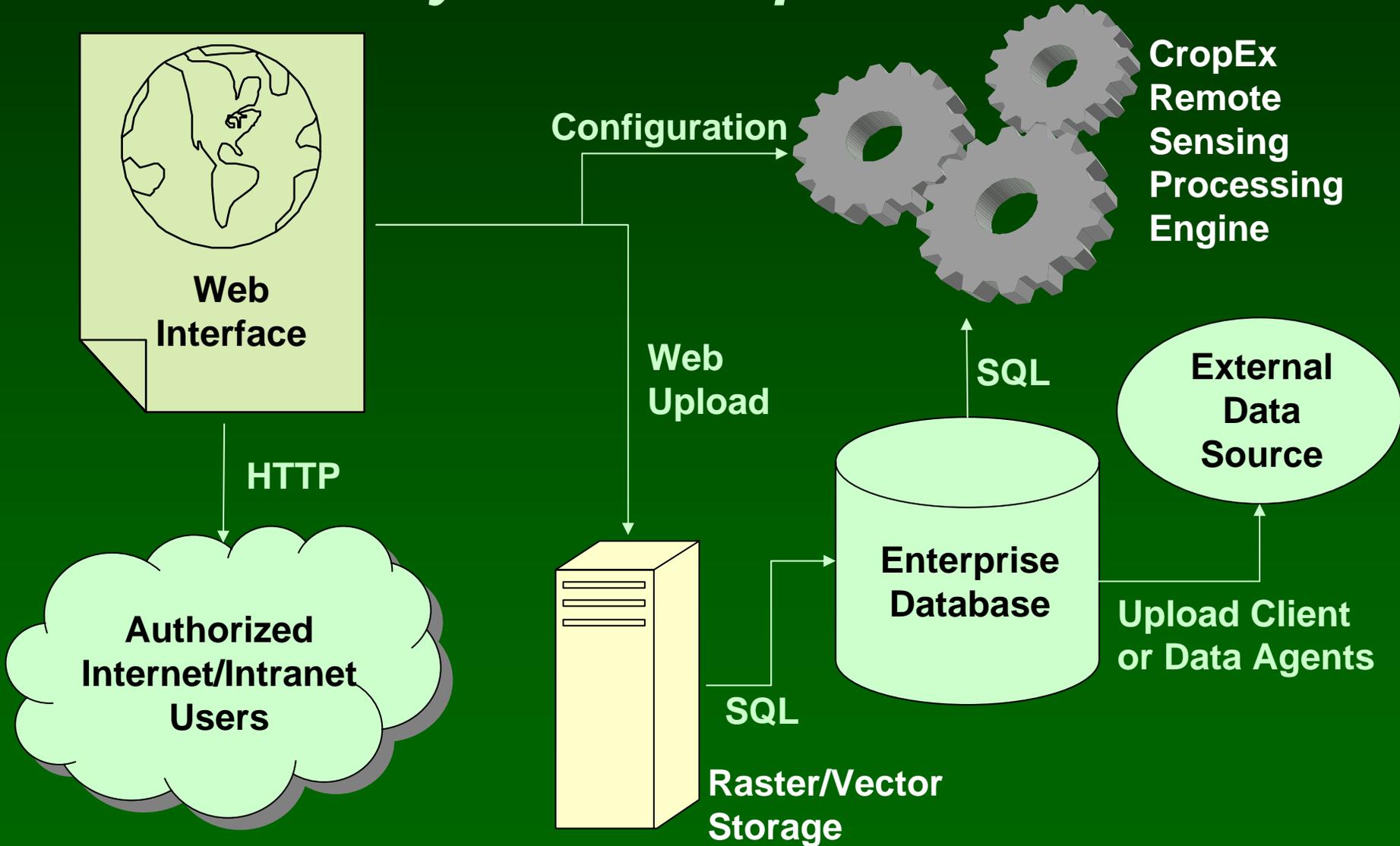
Select User to Remove:

Consultant, Test (consultant) ▼

Remove User

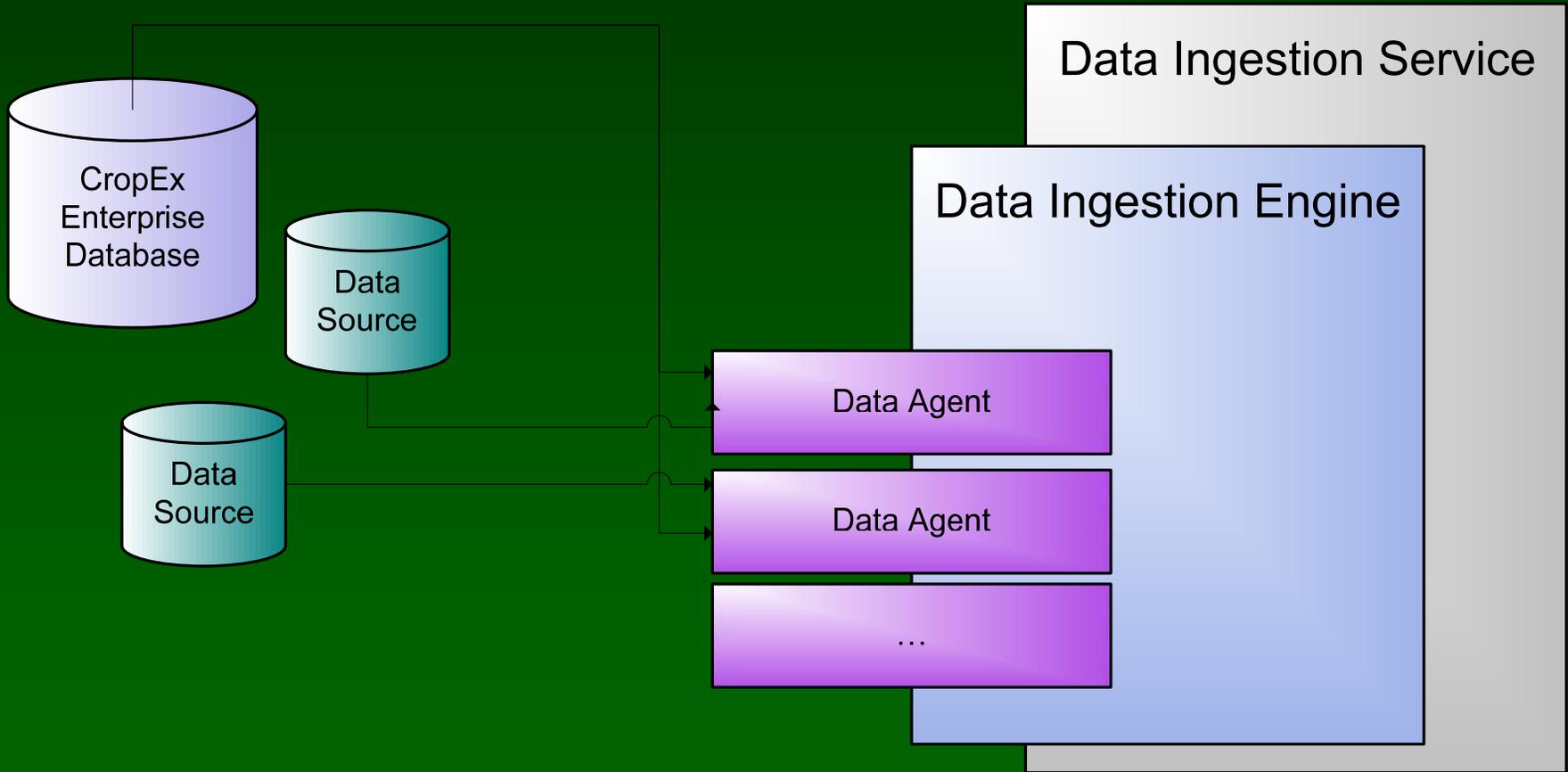
CropEx Design

System Components

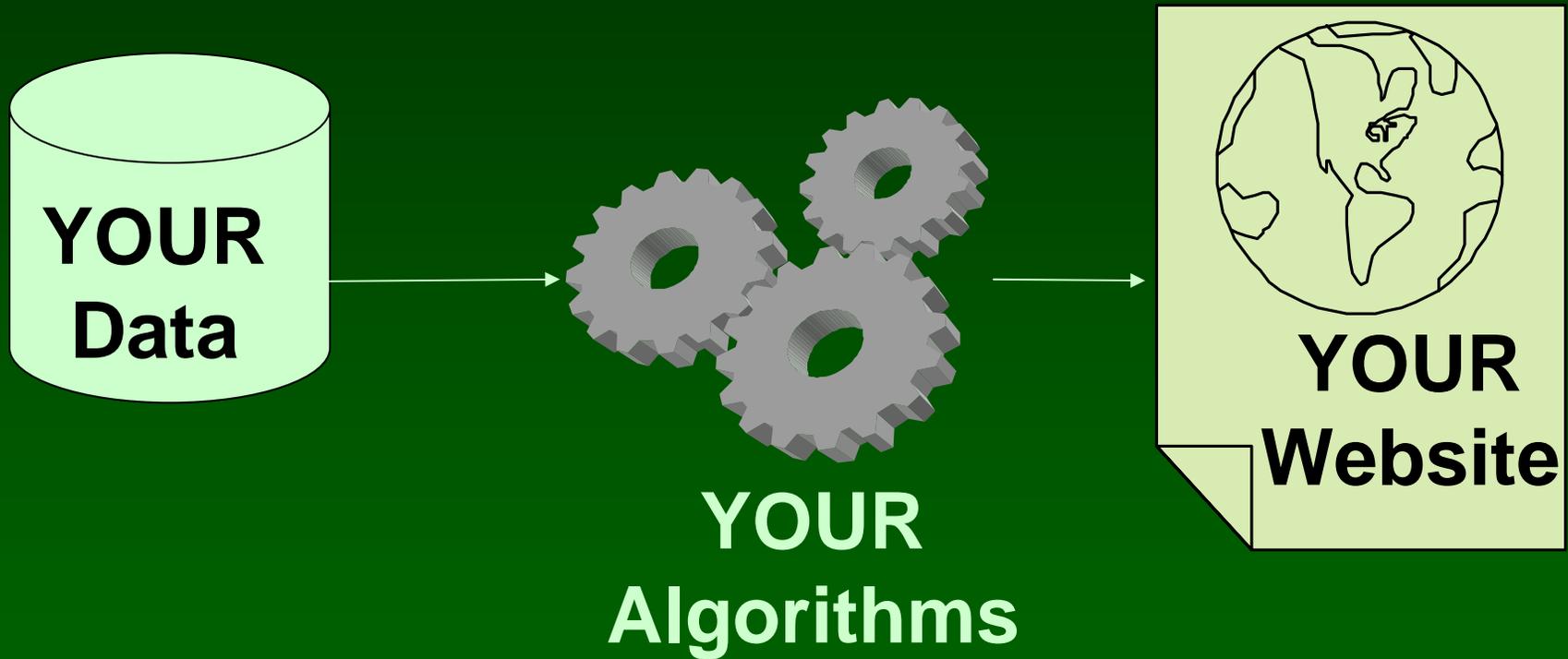


CropEx Design

Ingestion Service



CropEx and YOU



CropEx and YOU

- **CropEx is a patent-pending prototype system.**
- **NVision is looking for deployment partners.**
- **We will be happy to provide onsite demonstrations at your facility.**

Craig Harvey, CIO, Executive VP, NVision

Phone: 228-688-2205

E-mail: charvey@nvs-inc.com