uXclassify
Combining AGC Analysis and Program Management

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Overview

Advanced Geophysical Classification (AGC) demands precision, coordination, and seamless data flow. Yet traditional workflows often struggle with scattered files, communication gaps, and time-consuming processes. **uXclassify** transforms that reality.

uXclassify, a cloud-based software suite designed to support AGC programs, mitigates challenges with data handling, communication, and coordination across teams by providing:
- Cloud-based access with no local installation
- Streamlined data management and reduced repetitive tasks
- Real-time project tracking and progress updates

Our integrated AGC data-analysis tools in a user-friendly interface allows data analysts to focus on technical decisions, managers to focus on execution, and government stakeholders to focus on quality and defensibility of results.

Material in this poster provides an introduction, but watching short videos and an in-depth trial is needed to fully appreciate the full capabilities and benefits **uXclassify** offers.

Data Flow & QC/QA & Approvals

The menus of **uXclassify** are designed to follow the natural data flow from collection, data QC and coverage assessment, to AGC decision and intrusive investigation validation.

Along the way, data are reviewed and assessed by the Geophysical Classification Organization (GCO) analyst(s) and QC geophysicist(s). All decisions and associated records are archived.
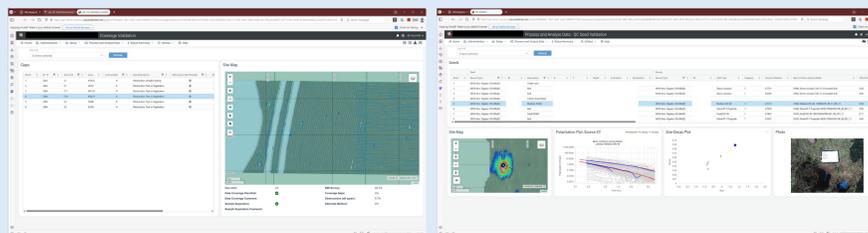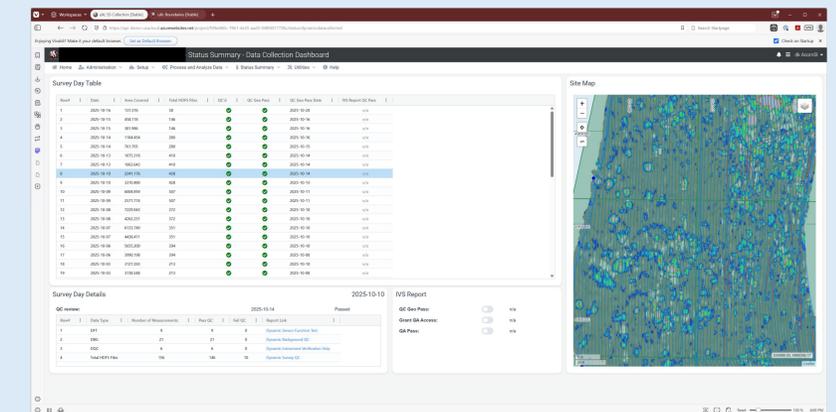

Data transfer is controlled by the GCO Project Geophysicist. Once authorized, downstream access to the QA Geophysicist is instant.

Programmatic assessments and approvals are required and documented for data level and survey unit deliverables. All approvals, including government QA approvals and/or rejections, are available for review via the dashboards.

On-Demand Status Summaries

Keeping the entire PDT informed is a priority of **uXclassify**. We created several automatically-updated dashboards to facilitate information sharing:
- data collection (temporal)
- Geo unit (spatial grid)
- weekly status summaries (both)
- data analysis (for the analysts)
- survey & delivery unit
- intrusive results, and others...

Benefits of uXclassify

Contractor	QC Geophysicist
• Regain control of AGC Analysis	• Purpose-built QC capabilities
• Monitor progress	• Intrinsic approval process
• Easily assess coverage	• Custom QC tools
• Transfer data instantly	• Assess QC seeds ahead of
• Reduce analyst level of effort	data analysts

QA Geophysicist	Regulator
• On-demand progress updates	• Stay informed via on-demand
• Custom QA tools	project updates
• Receive products instantly	• Review QC and QA results
• No local software installs	• On-demand access to project
• Accomplish QA goals on time	deliverables

Entire Product Delivery Team
- Communicate efficiently and transparently
- Cultivate remote workforce resources
- Effectively share documents via an on-line document repository
- Mitigate version control of software, data, and documents
- Record and preserve AGC processing and decision making
- Systematic and systemic firewalls
- Audit trail of data analysis, approvals, and user access

User Access & Firewalls & Setup

Once the online experience is provisioned, the GCO, Government QC, and regulators share the online processing and management resource.
- Hard-wired firewalls protect information within roles
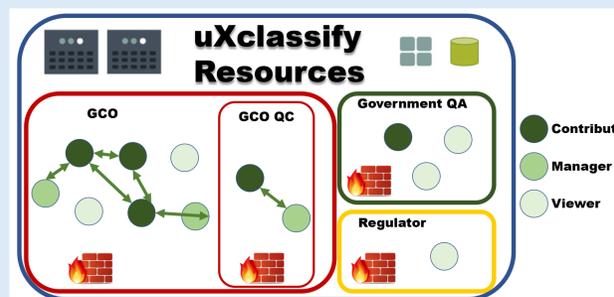
Project wide settings established by the Project Geophysicist include processing parameters, site-specific AGC library, GIS boundaries, instrument verification strip details, and geodetic reference locations.

Intrinsic controls ensure consistent processing for all Geo Units. If processing parameter changes are made late in the game, semi- and auto-rework capabilities save the day for the GCO.

Miscellaneous Goodies

uXclassify is DAGCAP approved for APEX and UltraTEM one-pass data and MPV and Geometrics 2x2 cued data. Ancillary data approvals are in process - a one-stop shop for HDF5 data.

uXclassify provides an on-line, persistent *Document Repository* that allows access to AGC-related deliverables; including, large files such as QAPPs and GIS data.

Audit logs for processing activities, processing parameters, user access history, and source reports are automatically generated.

Synthetic seeding tools allow single- and site-wide multiple-source scenarios to be easily incorporated into the analysis flow for data usability assessments.

Please contact **dkeiswetter@acornsi.com** if interested in experiencing a revolutionary AGC experience.

Complementary products include **uXfieldqc** and **uXsimulate** – ask about them as well.