

## WSF 2017 Annual Report # 4164

**PROJECT:** Nebraska GeoCloud and Airborne Electromagnetic (AEM) Data Integration – WSF Application #4164 (awarded December 2016)

**DATE:** APRIL 1, 2017  
(FIRST ANNUAL REPORT DUE ON OR BEFORE APRIL 1, 2017)

### [See Application 4164 Section D #2 For Project Scope Summary, Timeline and Acronyms](#)

#### PROJECT PROGRESS DECEMBER 2016 TO APRIL 2017:

- The Nebraska GeoCloud (NGC) consultant from Denmark (I-GIS) provided a pilot project (proof of concept) designed for Airborne Electromagnetic (AEM) survey data and related geological data for Nebraska. A pilot version of the NGC is up and running and a licensed copy of GeoScience 3D software is in use by project members. On February 23, 2017 the CSD, USGS, NDNR and NRDs statewide joined a NGC Webinar with I-GIS to kick-off the project interaction and demonstrate the pilot project results. The final contracting and initial designs for the full-scale NGC are underway. The interlocal agreement between the partner NRDs securing \$164,958.40 in local match funds was fully executed on March 30, 2017. Based on the initial project activities, the timeline for I-GIS involvement proposed in the grant application (ended in 2018) has been redistributed through to the end of the project (now ends June 30, 2020).

#### ANTICIPATED ACTIVITIES FROM NOW UNTIL NEXT ANNUAL REPORT DUE APRIL 1, 2018:

- All the necessary contracting (ENWRA with DNR and CSD with I-GIS) and cooperative agreements (partner NRDs, ENWRA-CSD, ENWRA-USGS) are anticipated to be formally in-place by April 30, 2017. CSD and USGS will continue evaluate the pilot project results and full-scale software development activities for the NGC using the I-GIS software and free viewers. Project partners will provide feedback to CSD, USGS and I-GIS, beginning with workshops planned in August 2017, relative to both high end technical-based and administrative-based NGC user access needs.

#### ANTICIPATED CASH FLOW FOR REMAINDER OF THE PROJECT:

- Reimbursement Claim #1 for **\$12,229.20** (60% of eligible NGC costs) is anticipated for submittal by April 30, 2017. Reimbursement Claims #2 and #3 totaling **\$81,321** are anticipated on or before June 30, 2018. Reimbursement Claims #4 and #5 for **\$72,403.20** are anticipated on or before June 30, 2019. Reimbursement Claims #5 and #6 for **\$81,484.20** are anticipated on or before June 30, 2020. By the end of June 2020, **\$247,437.60** will have been requested from WSF (original grant request amount).

#### LIKELIHOOD THAT BENEFITS PROJECTED IN APPLICATION 4164 WILL BE REALIZED:

- Based on preliminary results provided by I-GIS, CSD, and USGS, the project is on target for achieving the benefits as described in the application.