



CEGS Activities Report #1

2014-2015

1. Web site. www.science.utep.edu/cegs

- The completion of the web site has been a significant accomplishment. Communication is essential and this is an efficient way to do it. This will show the activity of CEGS, and plans for the future. This updating is October, 2015.

2. Staff

An all volunteer staff manages the web site, the influx of e-mail, and all activities. They organized and carried out activities at the PDAC meeting, March, 2015, Toronto, where a major exposure of CEGS took place, seeking students and support.

Staff as of April 2015 consists of the following:

Director: Philip C. Goodell

Associate Director: James Cearley

Assistant Director: Guadalupe Saenz

Coordinator: Alex Sandoval

Documentarian: Josh Peterson

Social Media: Aman Wraich

IT: Joshua Peterson

Principal Assistants:

Liza Ortega

Rocio Ferron

Matthew Lawhorn

Joe Cancellare

African Initiative: CEGS Representatives

Angola: Jose Hanukwaya

Egypt: Tarik Ibrahim

Kenya: Atanasio N.N. Nthumbi

3. Responding to challenges

Challenge 3.1.

Mexico, Hydrocarbons: Energy Reform and fracking technology. This topic is a large change to happen in Mexico during 2014 and, subsequently. Entrepreneurial opportunities are abundant and diverse. The decline in oil prices during the latter half of the 2014 will only slow down this inevitable development. However, it has also been said, "fracking will never take place in Mexico."

- February 20, 21; 2014, Chihuahua City, Mexico. CEGS Short Course (10 hours in Spanish) Energy Reform in Mexico and New Fracking Technology.
- Dra. Guadalupe Saenz
 1. Dra. Guadalupe Saenz talks at UTEP. April. 2014
 2. Dra. Guadalupe Saenz joins CEGS as Assistant Director and Advisor.
 3. Dra. Guadalupe Saenz initiates CESSSED, a sister organization to CEGS devoted to Challenge 3.1. October 10, 2014, proposal accepted. Center for Energy Studies and Sustainable Entrepreneurial Development. White paper of this subject is on the web. November 2014.
 4. Weekly electronic meetings, every Tuesday, starting October, 2014. 7PM, MST. UTEP, UACH, UACJ, and Dra. Saenz in Houston, as a part of CESSSED; successful through mid December. Communication between some participants continues.
 5. Planning stage: Trip for people from Chihuahua City and Ciudad Juarez to visit the Midland-Odessa area. Planning ceased because of the demise of interest due to the currently low oil price.
 6. Some activities of CESSSED (now with another name) put on Pause by Dra. Saenz. April 28, 2015
- CEGS provided partial support for participant, Eric Berenson, at the Mexico Shale Summit, March, 2015. Program and report are given. (Link)
- Chihuahua Hydrocarbon Potential: Chihuahua wells and 12 from southwestern New Mexico are posted. (link)
- Seismic sections : ?
- Outcrop studies, with organic geochemistry. ?
- CEGS continues knowledge distribution and synthesis in Chihuahua, and will monitor the country, depending on our abilities.

Challenge 3.2.

Mexico, Minerals

- Mineral Wealth along the El Sauzal – La Cieniguita “Lineament” in Southwest Chihuahua March 21, 2014, Chihuahua City, Mexico, is a talk by Dr. Goodell at the AIMMGM Chapter meeting (AIME equivalent in Mexico). Junior exploration company activity is very low. (four students and Allen Zebrowski)
- Five students participation at AIMMGM meeting, Tenth International Mining Meeting, Chihuahua. May
- Four students, Annual CEGS Entrepreneurial Geosciences Field Trip, 2014 Palmarejo and El Sauzal, Chihuahua; mining company hosts. June.
- Second International Energy and Minerals Symposium, June, 2015 Chihuahua, MX. 5 Students.
- AIMMGM national meeting, Acapulco, Mx. Oct. 2015, 5 students, 4 Presentations.

Challenge 3.3.

Africa: It is recognized that Africa is entering a stage of more rapid economic development and associated entrepreneurial opportunities. Egypt, Kenya, and Angola, are initial countries of focus, and already CEGS country representatives are appointed and in action.

4. Educational Activities

- Courses taught at UTEP:

Geology 5315a, Entrepreneurial Geosciences, MS level, PCG

Geology 5315b, Advanced Entrepreneurial Geosciences, MS level, PCG

Geology 5215a, Fundamentals of Oil and Gas Investing, NP

Geology 5215b, Fundamentals of Mines and Mineral Investing, NP

- Short Courses

Short Course presented by CEGS in Chihuahua City, Mexico, Feb 20, 21, 2014. Fracking and Energy Reform in Mexico. 10 hours, 80 people, in Spanish.

EDU MINE, web based short courses, License provided approximately 700 student hours for taking short courses. Diverse topics.

Leapfrog short course, 3 days. @ UTEP, 8 participants. Deposit evaluation.

PDAC 2015, Short Courses. 1 day, 8 students. Diverse topics.

- Official student club: Entrepreneurial Geosciences Club, UTEP. Established.

5. Meetings

PDAC, Toronto, March, 2014, 4 students.

SEG, Keystone, Sept. 2014, 6 students.

PDAC, Toronto, March, 2015, 9 students.

Second International Energy and Minerals Symposium, Chihuahua, Mx. June 10-12, 2015

Tenth International Mining Symposium, AIMMGM, Chihuahua, Mx., April 2-5, 2014, 5 students.

6. Annual CEGS Entrepreneurial Geosciences Field Trips

- The first of these field trips was made April 26-29, 2013, to the Shafter silver mine operated by Aurcana near Presidio, Texas. The 100 year history of Shafter is an example of “repeated entrepreneurial failure.”
- The Round Top Heavy Rare Earth Element deposit at Sierra Blanca of Texas Rare Earth Resources (www.trer.com) was also visited. This is a story of present day innovative entrepreneurial activities. This trip was held in collaboration with the UTEP student section of the Society of Economic Geologists. More information can be found here.
- The second of these field trips was made June 21-27, 2014, to the Palmerejo and El Sauzal deposits in Chihuahua state, Mexico. Modern discovery at Palmerjo was done by an Australian junior company, Bolnisi; discovery at El Sauzal was by a Canadian junior Francisco Gold, at a site with no previous work.
- The third Annual CEGS Entrepreneurial Geosciences Field Trip will begin approximately July 20, and will visit the Batopilas, Chihuahua, Mexico, region. Batopilas has a nearly 400 year history of discovery booms and busts.

7. Industry Advisors

- Peter Megaw, MAG Silver, Tucson, AZ (exploration, discovery)
- William (Bill) Sheriff, TillCapital, Idaho (exploration, finance)
- Mark Issacs, Texas (finance)
- Gavin Van Buuren, Investment Advisor, Wolverton, Vancouver. (finance)
- Guadalupe Saenz, energy consultant, Houston, Tx. (hydrocarbons, technical, social,)
- Bill Silberman, Consultant, Texas. (mineral exploration)
- Yen Lai Chee, software, Leapfrog, Ciudad Juarez, Mx (deposit evaluation)
- Luis Chambel, Sinesse, Portugal (exploration, +)
- Jose A. Leal Toriello, El Paso, Tx. (finance)
- Janet Lee Sheriff, Idaho (social)
- Jim Bradbury, Washington (metallurgy)
- Castulo Molina, VP Coeur, Chihuahua, Mx.

9. Intern Projects

Northern Chihuahua, evaluate and study ranches which have been long isolated,
From Yen Lai Chee

Better understanding of the Sylvanite/Eureka mining districts in SW New Mexico.
From Mark Issacs and others.

