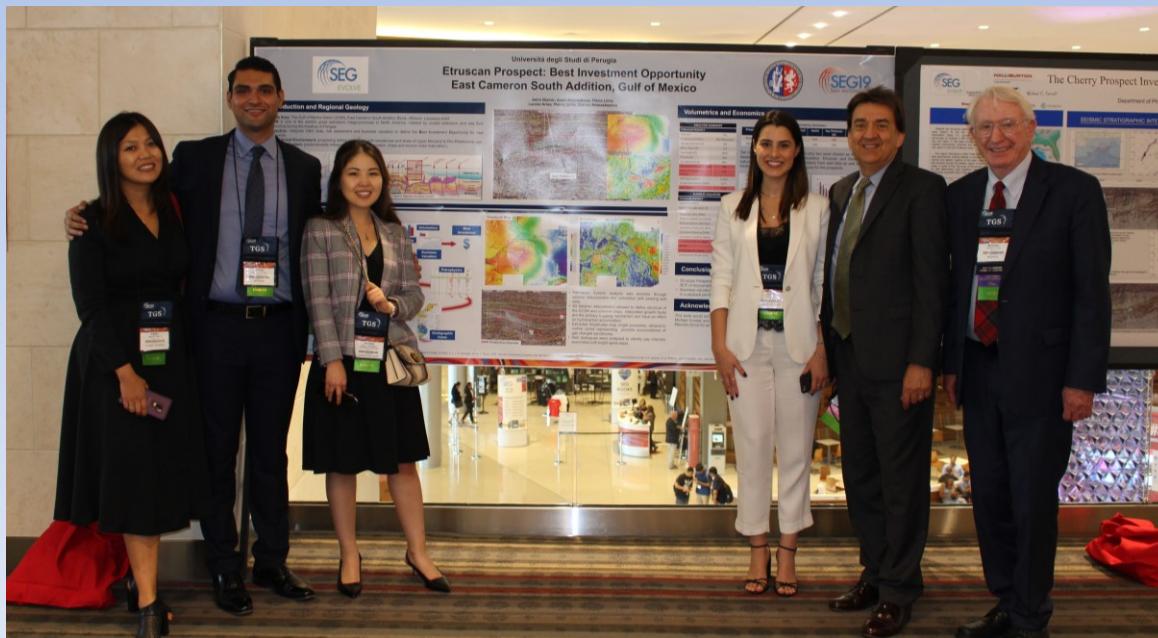


SOCIETY OF EXPLORATION GEOPHYSICISTS EVOLVE PROGRAM 2019



*University of Perugia
September, 2019*





What is SEG?

The Society of Exploration Geophysicists (SEG) is a not-for-profit organization committed to connecting the world of applied geophysics.

SEG provides **educational and technical resources** to the global geosciences community through **publications, books, events, forums, professional development courses, young professional programs, and more.**

- ☐ Founded in 1930
- ☐ More than 20,000 members
- ☐ 128 countries

SEG Student Chapters:

Bring together a group of like-minded individuals who share a common interest in **geophysics**. Providing opportunities for **leadership, achievement and cultivation of ideas**, it open the door for **students** to actively participate in **projects and initiatives** that **promote** the science of geophysics.



What is the EVOLVE Student Program?

E &P;
V alue creation; align with company's strategies and goals;
O nline Collaboration: team members, teams, mentors, and EVOLVE leaders;
L eading Edge Technologies: 3D datasets and key wells;
V irtual Internships: use of the cloud and video technology;
E xtensive Mentoring: key strength of EVOLVE

- ✓ EVOLVE's ultimate **objective** is to prepare students for **jobs in the energy industry**.
- ✓ Team of four to six students with background in **geology, geophysics, petrophysics and reservoir engineering**.
- ✓ Each team work reviewing a **technical dataset** to recommend the **best investment opportunity** in their assigned area.
- ✓ **Non-competitive** program with continuously **technical support** from mentors, tutorials and virtual sessions.



EVOLVE Sponsors and Supporters

Founding Sponsor



2019 Team Sponsors



2019 Supporters





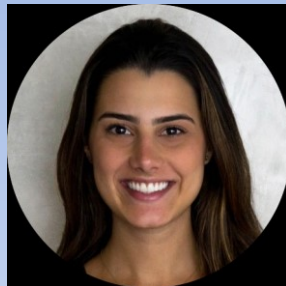
UNIPG TEAM



Amin Niamir
Reservoir Engineer



Assel Akimbekova
Geophysicist



Flávia Lima
Geologist



Maurizio Ercoli
UniPg Mentor



Lorena Arias
Geologist



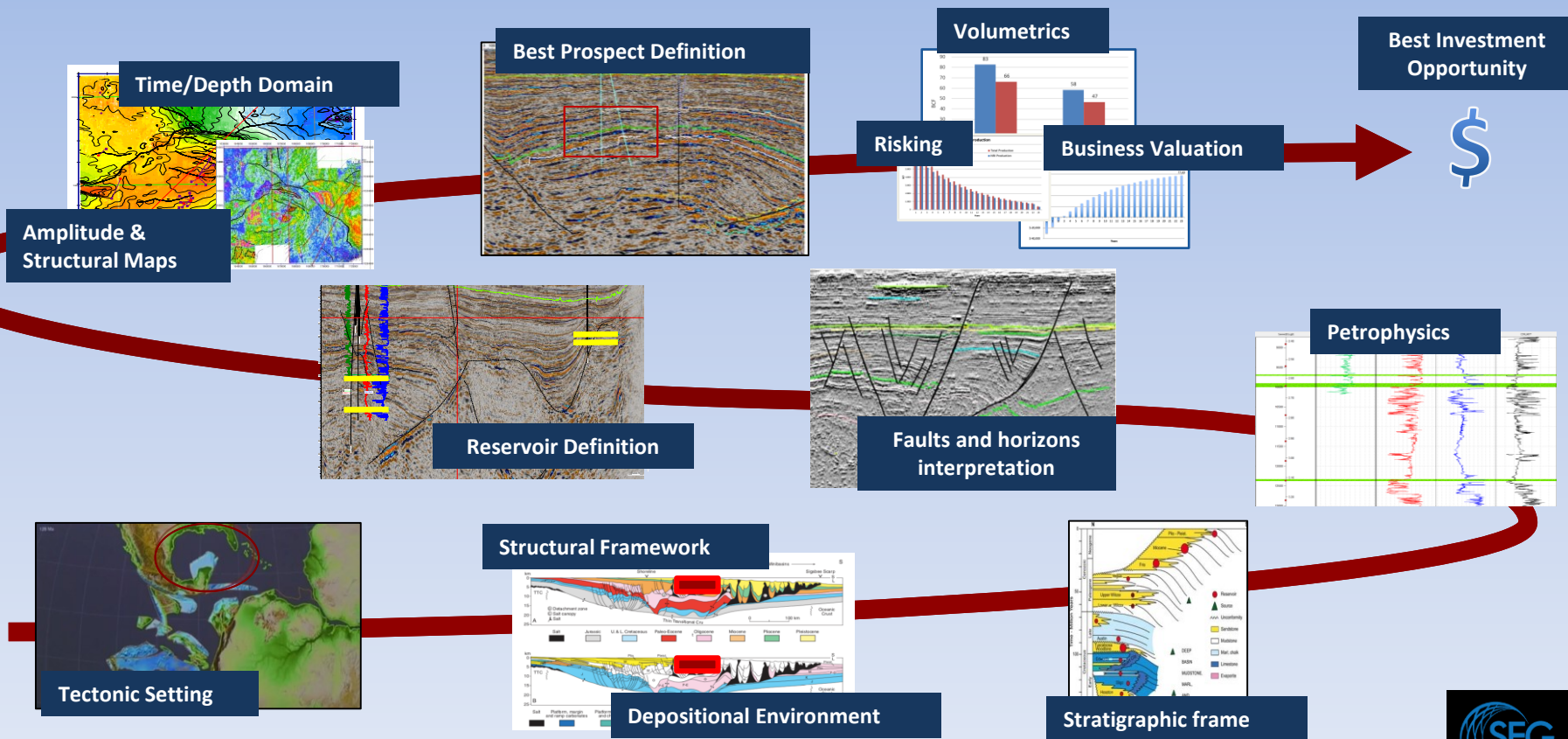
Manoj Golla
Geologist



Zhanna Namazbayeva
Petrophysicist



Project Workflow



Invaluable Experience at SEG Annual Event in San Antonio



What did we learn/get from EVOLVE?

- ✓ During the Project Development it was used real seismic, wells and production data applying petroleum industry approaches it was learn how to select potential prospects
- ✓ Learned new software and interpretation techniques
- ✓ Geological Risks analysis and Business Valuation learned to define best investment opportunities
- ✓ Team Work, Time and Project Management skills gained
- ✓ Participation in this project gave us the brilliant opportunity to be mentored from great professionals and networking with students from worldwide universities.

*"EVOLVE was an unique opportunity to use our **academic knowledge** in a **real world** experience. More than learning technical skills, we learned how to deal with **insufficient data, uncertainties and challenges** in order to draw a **conclusion** and make **decisions**. During the **SEG Annual Meeting 2019** we had the pleasure to present our final work to representatives from the industry, Evolve team and students from different part of the world. It was amazing to meet so many interesting people and learn so much from them."*



Project Deliverables

Study of the Petroleum System and its elements

3D Seismic Structural Interpretation

Seismic Attributes Extraction

Time-Depth conversion and Final Mapping

Well Logs Interpretation (lithology and pay zones detection)

Analysis of Production Data and Fluid Properties

Geological Risk Analysis and Hydrocarbon Volumes calculation

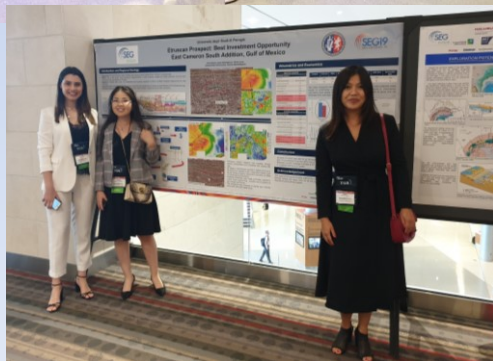
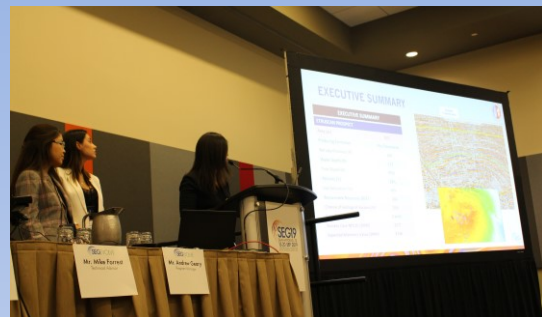
Economical Analysis and Business Valuation of the Prospect

At the SEG Annual Conference 2019, Unipg team was Awarded with four certificates:

- Best Map from IHS Markit (Kingdom software);
- Best Investment Opportunity in East Cameron South Addition Block (GOM);
- Most Comprehensive Economic Analysis;
- Most Engaged Professor.

We are proud to carry these awards in behalf of our team in such an event and give visibility and recognition to our University.





SEG EVOLVE 2019:

“Developing the Fearless Explorers of the Future”

