

Houston Professional Petroleum
DATA EXPO 2022

April 26 & 27



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April 26, 2022 (Morning)

Time (in CST)	geoLOGIC systems Stage	All Other Rooms
7:30-8:00 AM	Breakfast available in Syndigo Tradeshow area	Closed
8:00-8:10 AM	Introduction & Welcome Amii Rozell (Houston Leadership Team)	
8:10-8:40 AM	PPDM Association Update Trudy Curtis (PPDM Association) ●●●	
8:45-9:40 AM	Keynote Presentation: The Future? That's So Yesterday Ellen Nielsen (Chief Data Officer, Chevron)	
9:40-10:05 AM	Morning Break - Snacks in the Syndigo Tradeshow area	
10:05-11:00 AM	The Future of the PPDM Association PPDM Association Board of Directors - Strategy Committee ●●●	
11:05-11:35 AM	In the Race to Stay Relevant in the Industry, You Have to Have the Right Team Jennifer Jordan, CPDA (ConocoPhillips) ●●●	
11:35-12:05 PM	How Fit Are Your Bits? Progress and Guidance for the Data Fit Energy Organization Jess Kozman (Katalyst Data Management) ●●●	
12:05-1:00 PM	Lunch - in the Syndigo Tradeshow area	

- Domain Experts/Data Professionals
- Technologists
- Managers
- Futurists
- Data Scientists
- Other

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Sponsor Spotlight - Ovation Data (Bag Sponsor)

Ovation Data is a full-service provider of digital transformation and data repository solutions. It provides secure and scalable data management services and support from basic and complex infrastructure to cloud-based solutions for data transmission, storage, stewardship and loss prevention. For more than 45 years, Ovation Data has securely delivered high-quality, connected, and accurate data that informs clients' business decisions, optimized with speed and confidence.



April 26, 2022 (Afternoon)

Time (in CST)	geoLOGIC Stage	S&P Global Room	Room 3
1:00-1:45 PM	Automating Data Governance for Borehole Data John Pomeroy (Fervid Group) & George Ramirez (Occidental) 	The Human Side of Data The Human Side of Change Melinda East (Focus Forward)	Room Closed
1:45-2:00 PM	Afternoon Break - Snacks in the Syndigo Tradeshow area		
2:00-2:45 PM	Strategies for Managing Data: Data Lake vs. Data Warehouse Abel Tan & Jonathan Tan (PetroGrid LLC) 	Evolve or Die: Amplify Your Data to Achieve Intelligent Operations Jerris Johnson (Paramount Field Services) 	Strategy Discussion and Workshop PPDM Association Board of Directors - Strategy Committee 
3:00-3:45 PM	Electric vs Conventional: What Drives the Future? Tania Mukherjee, Mery Ramirez, Telha Ghanchi (Data Connexion) 	Case Study of Creating a Brand New Ultra-Efficient Data-Driven Independent Colin Frost (Energective) & Adrian Purdy (Cantium) 	Room Closed
3:45-6:00 PM	Cocktail Reception <i>Join the other attendees for some relaxing networking time in the Syndigo Tradeshow area, for our Cocktail Reception, hosted by Stonebridge Consulting. The Reception is free to attend and includes snacks and a beverage.</i>		

-  Domain Experts/Data Professionals
-  Technologists
-  Managers
-  Futurists
-  Data Scientists
-  Other

Sponsor Spotlight - geoLOGIC systems (Stage Sponsor)

geoLOGIC systems ltd. is based in Calgary, Alberta, Canada and has been providing high-quality, integrated data and analytics to the upstream oil and gas industry in Western Canada and elsewhere for almost 40 years. geoLOGIC's relentless focus on innovation, quality, and service has made it the trusted standard in the upstream Canadian industry. Customers include exploration and production companies in oil & gas and related products; pipeline and midstream companies; service companies; the financial sector government and regulatory organizations, and educational institutions. Key products include geoSCOUT, a decision-support tool providing high quality data and analytics for all disciplines within the oil and gas industry, and gDC, geoLOGIC's comprehensive upstream oil and gas database.

For more information, please visit www.geologic.com or email info@geologic.com.



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April 27, 2022 (Morning)

Time (in CST)	geoLOGIC Stage	S&P Global Room	Room 3	Room 4
7:30-8:00 AM	Breakfast available in the Syndigo Tradeshow area	Closed		
8:00-8:45 AM	Keynote Presentation: Rethinking Mining with Data and Analytics Arun Narayanan (Chief Data Officer, AngloAmerican)			
9:00-9:40 AM	The Value of a Data Marketplace and Data Products Curley Thomas, Justin Walker, Jeff Bauer, Julia Nemanic, & Hashim Abdullah (Chevron)	A Data Governance Journey to a Better MDM implementation: How People, Processes and Technology Connected the Dots Hilda Espinoza (University Lands) & Simon Pugh (S&P Global) 	A Look at Synchronization Between Your Seismic Master Repository and the OSDU™ Data Platform Paul Thompson (Talus Technologies) 	Room Closed
9:40-9:50 AM	Morning Break - Snacks in the Syndigo Tradeshow area			
9:50-10:30 AM	Integration & Expansion: geoLOGIC in 2022 David Hood (geoLOGIC systems) <small>(sponsor presentation)</small>	OSDU™ Data Platform/ PPDM Association Relationship Trudy Curtis (PPDM Association)	Embracing Change – Guiding Personal Development in a Changing World Patrick Meroney & Cindy Cummings (Professional Development Committee)	Embracing the Need for Seismic Data Standards Don Robinson (Resolve Geosciences)
10:40-11:20 AM	OSDU™ Data Platform: The Promise and the Journey Patrick Meroney & James Lamb (Katalyst Data Management) 	IPDS Open House Ammi Rozell & Shawn New, CPDA (Rules Committee), Simon Pugh (Reference Values Committee) 	Room Closed	How Can Blockchain Simplify and Protect Ownership Rights For Your Assets Cindy Cummings (Repsol)
11:30-12:10 PM	Harnessing Data Centric Platforms for End User Enablement Christopher Hanton (Ikon Science)	The Paradigm Shift in MDM in Energy: Cloud, AI and OSDU™ Benin Chelinsky (EDM for Energy, S&P Global Market Intelligence) <small>(sponsor presentation)</small>	The Two Biggest Keys to Successful OSDU™ Data Platform Adoption? Data Governance and Data Enrichment Through AI. Sunil Garg & Samir Jain (DataVedik) 	Adapting Data Governance for New Energy Jess Kozman (Katalyst Data Management)
12:10-1:00 PM	Lunch - in the Syndigo Tradeshow area			

April 27, 2022 (Afternoon)

Time (in CST)	geoLOGIC Stage	S&P Global Room	Room 3
1:00-1:40 PM	ERP Data Is One of ConocoPhillips' Greatest Assets Brandi Czerniewski (ConocoPhillips) 	Addressing Market Dynamics of LNG Value Chain Through Adoption of Cloud Computing Venky Sankaran (Infosys), co authored by Sethupathi Arumugam, Soham Pandya & Vimal Almadas 	How Syndigo's Asset Master and Capital Project Solutions Can Impact Bottom Line Rob MacEwan (Syndigo) (sponsor presentation)
1:50-2:30 PM	Business-Driven Data Quality Management Abel Tan & Jonathan Tan (PetroGrid LLC) 	Room Closed	What is a Facility Workshop Tom Duong (WIAF Work Group) 
2:30-2:40 PM	Afternoon Break - Snacks in the Syndigo Tradeshow area		
2:40-3:25 PM	Embracing Change Q&A <i>Share your thoughts during the Expo on our posters in preparation for this interactive session</i>	Closed  Domain Experts/Data Professionals  Managers  Data Scientists  Technologists  Futurists  Other	
3:25-4:00 PM	Closing Remarks Trudy Curtis (PPDM Association)		

Sponsor Spotlight - S&P Global (Stage Sponsor)

EDM for Energy from S&P Global Market Intelligence

The oil and gas industry is undergoing a digital transformation during a period of unprecedented economic and market volatility. Faced with aging technology, manual processes and increased cost scrutiny, E&P companies are demanding better solutions.

EDM for Energy (now part of S&P Global Market Intelligence) is a cloud-based, workflow automation platform that has robust data management capabilities at its core. EDM leverages the deep industry knowledge and experience of S&P Global Market Intelligence as a provider of both data and technology. By optimizing workflows and delivering trusted data for decision-making and analytics, EDM increases operational efficiency; breaks down technological and functional siloes; and enables cross-company collaboration.

We provide EDM workflows that align with the requirements of the OSDU™ Technical Standards and, by leveraging the published APIs, we support upstream companies as the OSDU™ Data Platform moves into implementation. EDM's flexible design and mature approach to data management offer significant benefits for those planning to adopt the OSDU™ Data Platform, including our data-type-agnostic and data-model-agnostic approach, which allows operators to quickly leverage the OSDU™ Data Platform without the need to undertake complex, time-consuming data manipulation work.

Learn more here: <https://ihsmarkit.com/products/edm-energy.html>



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Sponsor Spotlight - Katalyst Data Management (Wifi Sponsor)

With over 40 years of experience, Katalyst Data Management® provides the only integrated, end-to-end subsurface data management solution for the oil and gas industry. Over 170 employees operate in North America, Europe and Asia-Pacific and are dedicated to optimizing the value of subsurface data, including seismic and well data. Katalyst enables clients' digital transformation of E&P data with digitizing services and digital transformation consulting.

Katalyst Services include:

Consulting

Katalyst provides consulting services for a wide range of E&P companies. Our domain experts can support your organization with almost every data management service, from cloud consulting and data ownership assessments to OSDU readiness assessments and data management workflow design.

iGlass Data Management Software

Katalyst's iGlass data management platform provides a complete set of tools that encompass the full life cycle of our customers' subsurface assets. Certified PPDM Gold Compliant, iGlass incorporates a web based ESRI GIS map interface for direct access to your digital subsurface data. Katalyst hosts the iGlass data management software as a service (SaaS) for our clients.

SeismicZone

SeismicZone gives exploration stakeholders access to current seismic data available across the globe. The online marketplace for seismic data streamlines the process and provides significant savings for data purchasers.

- License seismic either through your broker or independently
- Identify what data is automatically available for QI/purchase with ease
- 24/7 access to search, target, QI and purchase available data
- Query filters enable locating data of interest quickly
- Automated online processes for faster transactions



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Three Data Wise Guys



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Abstracts & Biographies

Addressing market dynamics of LNG Value chain through adoption of Cloud Computing - Dr. Sethupathi Arumugam, Venky Sankaran, Soham Pandya & Vimal Amaldas (Infosys Ltd.)

The global market for Liquefied Natural Gas (LNG) is expected to rise significantly in the near and long-term, powered by LNG demand in Asia and Europe. The outlook for gas beyond 2050 is more durable compared to oil and coal as it supports a shift away from coal and can act as a carbon-neutral energy when combined with carbon capture, utilization, and storage (BP statistical review of world energy 2021). Stepping up to the global level change in LNG, Oil & Gas Industry requires adoption of Cloud computing with data science.

In general, LNG trains are owned by different member companies through joint venture (JV) equity share holdings. JV receives LNG production and lifting reports on a regular basis from the LNG & pipeline operators. Also, there are stream of other associated datasets from multiple sources, such as upstream production, feed gas to LNG plants, pipeline delivery – redelivery, fuel consumption during liquification, emission, shipping schedule, nominated quantity, market price index, LNG supply-demand trends, weathering, etc. It is quite challenging to integrate data from multiple sources to simulate real-time LNG tank inventory position for current and future dates. Knowledge of tank inventory is crucial to load nominated cargo volume for long term contracts and spot sales. As per S&P Global Platts analytics (2019), US sold nearly 600 cargos on spot basis in 2018, which is 80% of US exports. Generally, the spot price index is higher than oil linked prices, also there is no liability on cargo for sellers. Hence, LNG sellers look for probable forecasted window in tank inventory for an opportunity of spot cargo. To thrive in the global LNG market, plan future developments and optimize LNG supply-demand, it is essential to have knowledge about upcoming global LNG projects and contracts.

The Cloud computing platform offers scalable, flexible, and cost-effective infrastructure for data aggregation, management, security, and analytics. The solution proposes Cloud enabled architecture to aggregate reports from multiple sources through data automation tools. With help of predictive analytics, the tank inventory positions and opportunities for spot cargo windows could be forecasted along with price index. To develop LNG global knowledge base, this solution utilizes Natural Language Processing (NLP) and Text Mining techniques to gather data from LNG portals such as S&P Global Platts, Wood Mackenzie, RIM, Operator outlook reports, etc. Overall, the LNG Operators & JV will be benefitted by real-time monitoring of gas value chain from upstream to terminals, forecast tank inventory positions, cargo movement, shipping schedules, cargo nomination revisions, forward looking of LNG market trends, comprehensive view of the market, etc. This also eliminates the many man hours involved in data preparation and aggregation.

Biographies: Sethupathi, a Geologist, works with Infosys as a Principal Consultant, having 20 years of experience on deploying IT solutions in Oil & Gas Industry. Co-Author: Vimal Amaldas, a Cloud Architect, works with Infosys, having 12 years of experience on deploying IT solutions in Oil & Gas Industry.

ERP Data Is One of ConocoPhillips' Greatest Assets - Brandi Czerniewski (ConocoPhillips Ltd.)

Data is one of the greatest assets a company possesses. This is especially true for the highly competitive oil & gas industry. Enterprise Resource Planning (ERP) data is critical for delivering insight about our assets, operations, and people. Throughout ConocoPhillips, ERP data is used broadly through every function and global region. We're building a new, improved ERP system, and data management is a foundational part of it. With any ERP transformation, success starts with data. We have spent the last 2 years leading up to our ERP execution developing a data improvement process, prioritizing critical data elements, and working across our functions to define opportunities to improve data quality. We developed new data standards based on leading practices and "what good looks like". Existing data was measured against those standards, and we identified opportunities to improve quality. Improving the consistency and accuracy of our data upfront will provide substantial time and cost savings to convert and migrate data to our new ERP. We are designing new governance and processes to maintain the data quality. A key activity is building a permanent data framework with dynamically held business rules to constantly scan the system and provide reports and alerts on data quality. The new data governance teams we're putting in place will maintain the framework and ensure that we continue to manage data as a differentiating asset.

Biography: Brandi Czerniewski is the Data Strategy Lead for ConocoPhillips nextgenERP transformation program. Brandi has 15 years of experience working with SAP ERP data as a functional lead, Business Analyst, and Data Analytics supervisor. Brandi also spends time supporting the ConocoPhillips Women's Network and the ConocoPhillips New Hire program. Early in her career, she spent 7 years working as functional support and, in that time, supported processes and people in Human Capital Management, Operations & Logistics, & Capital Spending. As a business analyst, she helped design and build systems to support Major Capital Projects. Her last 7 years have focused on managing a data analytics team in Teradata, providing value by making clean and easy to read data accessible for self-service by anyone who needed it. Brandi has a wide range of technical and functional expertise which helped her gain the role she has today as Data Strategy Lead for the ConocoPhillips ERP transformation program. In her current role, she is guiding her team and the program in the following areas; Data Conversion and Migration, Master Data Management, Enterprise Data Quality, and ERP Enterprise Data Analytics Strategies. ConocoPhillips values data as a differentiating asset and over the next few years we plan to have the governance, technology, and processes in place to ensure it is properly exploited.

Case Study of Creating a Brand New Ultra-Efficient Data-driven Independent - Colin Frost (Energetive) & Adrian Purdy (Cantium)

Background and Context:- Supermajors and larger operators are offloading mature assets to focus their capital on funding newer assets and energy transition. Investment capital is being made available for such acquisitions by investment vehicles and independent operators. Investors see opportunities for free cash flow generation. Ultra-efficiency is key. Data Science is seen as a key enabler. To that end, a brand-new independent operator was formed in 2017. The founders had a clear vision to drive ultra-efficiency across all functions and operations through digital workflows, data and analytics and AI that would deliver strategic incremental value to its investors, and a model reference to the industry. This presentation will describe how that digital oil company was created, the data science technologies and methods that were employed, the challenges, lessons learned and critical success factors and how value was created over time. Attendees will gain an appreciation of a framework of activities and technologies that were utilized and the strategic value that was delivered. The Challenges:- Typically, data management in mature assets has been defocused and so the first challenge is acquisition, rapid conditioning, and provisioning of holistic, complex petrotechnical data sets. The second challenge is applying tools to make it easy for end users to find the data they need; trust the data they find and to visualize and analyze it easily and quickly to discover key insights that feed into critical decision making. The third challenge is the provision of optimized, integrated digital workflows and data science tools to drive highly efficient, high-quality decisions across all functions and operations that roll up holistically to deliver strategic value. The Role of Data Science in Unlocking Strategic Value in Mature Assets:- This paper will give an overview of the scientific and management approaches that were used to ensure success. It will describe techniques and algorithms that enabled accelerated results, across multiple functions including rapid subsurface evaluation, bypassed reserves analysis, optimized development plans, efficient drilling, and completions operations, debottlenecked and cost-efficient production operations, and ARO. This paper will also describe the strategic roadmap employed, addressing the steps involving people, processes, technology, and data that operators can then apply to accelerate the re-exploitation of their mature assets through data science.

Biographies: Colin is founder and CEO of Energetive, an upstream oil and gas focused, digital transformation tools and services firm based in Houston. He has over 25 years experience in the oil and gas sector and has led strategic assignments all over the world. Colin has worked with several leading oil and gas operators and service providers and his work has taken him to over 50 countries. He has an excellent grasp of 'what good looks like' and best practices in Digital Transformation and Data Analytics.

The 2 biggest keys to successful OSDU adoption? Data Governance and Data Enrichment through AI - Sunil Garg & Samir Jain (dataVediK)

As Oil and Gas Operators adopt OSDU, there will be a need to migrate data from hundreds of existing software systems/repositories. This will require application of Data Engineering, Master Data Management and Software Engineering principles and concepts. As OSDU evolves, new data types and APIs will get added and this will require continuous integration and deployment, necessitating the use of Agile Software Practices. In addition to populating data from structured repositories, operators can utilize this opportunity to add value from Unstructured data sources by extracting additional data and augmenting the existing data with it. Based on lessons learnt from our experience in past data migrations, data governance will be the key to success of OSDU based deployments. This presentation will focus on the various aspects of data governance best practices in the context of OSDU including Master and Reference Data Management, DQM, Data Lineage and enrichment, Golden records creation and so on. It will present some practical ways of applying and enforcing data governance processes both during the data migrations to OSDU as well as using OSDU as the system of record for feeding applications in future. It will also highlight the role that Data Analytics and AI will play in data ingestion as well as data consumption workflows and in exponentially improving the value/knowledge that can be derived out of data.

Biography: Sunil Garg is the founder and CEO of dataVediK, a Houston based startup building a Hyper-Converged Data and Analytics Platform for Oil & Gas industry. Prior to this, he spent 20+ years establishing and growing Data Management, Big Data and Analytics business for Schlumberger. Sunil has deep understanding of Oil and Gas data, Data Science & ML and uses the combination to build end user centric solutions. He is a member of several industry organizations and forums like SPE, AAPG, PPDM, SPDM, OSDU.

Samir - Data and Information Management Leader with over two and half decades of International Experience in Upstream Data, Analytics and Digital Transformation. Experience working on high level initiatives like Enterprise IM, Defining/Executing Future Roadmaps, Governance, MDM in the field of Upstream Oil and Gas. Currently also involved in growing OSDU initiatives across companies and communities.

Harnessing Data Centric Platforms for End User Enablement - Christopher Hanton (Ikon Science)

The creation, capture and utilization of geoscience knowledge is a core function of the subsurface departments in oil and gas operators' businesses. These specialists generate value for their companies by producing insights from raw information and then feeding those learnings into the operational decision-making process. Although operators have decades of existing data and studies at their fingertips that can be leveraged, poorly managed information systems, as well as restricted resources and time-sensitive pressures, lead to these being underutilized. This reality, which is underpinned by a lack of open digital tools, is unfortunately a detriment to organizational performance. With other industries experiencing efficiency gains of 40 to 50 percent due to digital transformation efforts, thought leaders in subsurface departments are seeking ways to translate these efficiencies to their own domains. To begin this journey, many operators are implementing data platforms to centralize information and promote accessibility. However, collation of data into a single platform is not enough to provide a paradigm shift in operational efficiency. To truly enable this change, users must be provided the tools and functionality to properly appraise and understand the vast amounts of information their data files contain. Applications, workflows and underlying processes must also be built to ensure confidence and trust in that information. Promoting the relevancy of this information and making it accessible will ensure it will be used to advance innovation within subsurface departments. This presentation highlights how provision of open architecture end-user applications and workflows can harness corporate data platforms to increase efficiency across subsurface departments. Automated QA/QC workflows can maximize trust and confidence in data while a new generation of inter-operable applications allow disciplines to build on work performed by others to derive new insights of the subsurface.

Biographies: Chris Hanton is the VP of Data Solutions at Ikon Science, leading a team who work with a global client base to revolutionize how data is handled by subsurface teams through an assets life cycle. Chris has a background in data acquisition and was a consultant petrophysicist before focusing on data management and digital transformation for the past 8 years of his career. Chris has an MSc from the University of Aberdeen in Integrated Petroleum Geoscience and lives in Houston with his wife and dog.

Evolve or Die: Amplify Your Data to Achieve Intelligent Operations - Jerris Johnson (Paramount Field Services, LLC)

The oil and gas industry is going through an evolution. The land grab is over, and we are shifting from exploration to exploitation. With expectations to operate within cash flow and distribute returns, we must work differently than we have in the past. Energy professionals can work better, more efficiently, and they should be seeking innovation in the current and future times. A proven concept has been articulated into a methodology called "Intelligent Operations." It is a roadmap of success to Deliver Maximum Value. The fundamental base to the entire process is the critical need Take Control of Your Data. Clean data results in having quicker, more accurate answers, thereby boosting KPIs of productivity. Three main concepts that any organization can undertake are to digitize their records, map all their assets and link the digital files to a web-based map, and build and adhere to a process that will prevent backlog going forward. This interactive presentation explores all of these mentioned points in further detail and creates an idea-sharing environment to encourage peers to embrace innovation.

Biography: Jerris Johnson is a certified professional landman whose background includes two decades of industry experience. Most of that time has been comprised of in-house landman and land manager roles for multiple, large E&P companies operating in all of the major asset plays. Earlier opportunities included roustabout labor in oil and gas fields and title and leasing work in various states and counties. He currently educates and implements Intelligent Operations on behalf of Paramount to help clients deliver maximum value for their organizations.

In the Race to Stay Relevant in the Industry, You Have to Have the Right Team - Jennifer Jordan (ConocoPhillips)

Think of it like a race car team: Driver knows how to drive the car, but perhaps not how to fine tune the engine. Pit crew knows how to fine tune the engine, but perhaps not the skills to drive the course. Both need to work together to win, therefore the Pit Crew Chief is the liaison that helps everyone communicate and convey everything, holds everyone accountable, troubleshoots and tests issues that may arise, and leads the team to success. In our industry, the need for Business Analysts has never been greater.

Biography: Jennifer Jordan is one of our Certified Petroleum Data Analyst and currently serves on the Midland Leadership Team in Midland Texas. For the past decade, Jennifer works as a Production Engineering Analyst and has provided her business unit at Concho Resources, now ConocoPhillips the valuable data required to make informed decisions based on real-time information. She optimizes data integration and data management for the team with a focus on data integrity, governance, and automation.

How Fit Are Your Bits? Progress and Guidance for the Data Fit Energy Organization - Jess Kozman (Katalyst Data Management)

The concept of a Data Fit Organization (DFO) in the energy and resources industry has been developed by a Steering Committee based in Australia, with input from a local innovation incubator, resource sector operators, academia, government agencies, and service providers. A Data Fit Organization (DFO) is one where data culture is a ubiquitous part of work, like safety is today, where all employees have data competencies and capabilities, and demonstrate behaviors that deliver strategic value from data, and where data roles and responsibilities are measured and incentivized. The Steering Committee has delivered a framework to help map, assess and improve data capabilities and behaviors across roles to improve effective upskilling. Forbes magazine recently pointed out that for data-centric organizations “knowing how to assemble high-quality data in their domain is their professional competitive advantage”. The DFO framework parallels other initiatives such as the PPDM Association Competency Framework, which represents thirty years of subject matter expertise in data management Job Families, and the Australian Future Energy Cooperative Research Center’s project for “Developing a Digital Competencies Framework for the Australian Energy Industry”, with participation from the Queensland University of Technology and Edith Cowan University.

A Data Fit Organization, is in short, one where data IS the organization, and where a shared industry approach is used to consistently and effectively drive value through data capability and maturity using a simple, repeatable and accessible framework. The framework has now been piloted and refined at both oil and gas and mining operations in Australia. Force-ranked priorities from the framework focus on foundational, transformational, networking and integration skill sets, and human, social, and organizational capital. A frame of reference is provided by embedded data workflows, which map key data roles and capabilities to deliver business outcomes and leverage data through standardized processes. Successful data workflows are role-led and continually improved through an iterative process of identifying data opportunities and deploying embedded solutions.

Results from workshops with data management communities of practice agree generally with output from the industry pilots, establishing minimum basic data principles that would contribute to data fitness, which could be embedded in a data management lifecycle policy or procedure.

This workshop is designed to give the participants an opportunity to provide real-time input to optimum accepted practices by identifying differences in key behaviors when force ranked by importance and level of demonstration in the participant’s organization. The results will be framed in a Start-Stop-Continue agile retrospective template for distribution to data managers.

Biographies: I have been a professional data management practitioner since the early 1980’s, specializing in digital data for the resource industry. Roles have included exploration geophysics, IT management, and consulting roles for national and international petroleum and minerals organizations, government agencies, and service providers. I maintain professional qualifications in earth sciences, data quality, and project management. I am currently based in Perth where I collaborate on digital transformation in the energy and resource sector.

OSDU™ Data Platform: The Promise and the Journey - Patrick Meroney & James Lamb (Katalyst Data Management)

The Open Group OSDU™ Forum was established in order to deliver a technology agnostic platform to the energy industry. Much like the disruption promised by the emergence of commercial cloud solutions in the oil and gas industry, OSDU Data Platform offers the promise of a platform that transforms the way that companies use technology and design workflows, allowing users to ‘plug and play’ technology and build workflows that are comprised of best in class products and technology. As the platform has evolved, producers and service providers alike have taken a keen interest in watching this evolution to see if OSDU Data Platform can deliver on its promise.

This will be an update to our 2021 presentation on the OSDU Promise and Journey examining the latest progress and remaining challenges for the OSDU data platform.

Biography: Patrick Meroney has worked in and around Information Management in Exploration and Production for over 30 years and has written and presented on various topics over the years including GIS, Information Architecture and Delivery, Data Governance and Organizational Readiness. Pat has held various positions in the E&P business and within IT and IM organizations at ConocoPhillips, and Repsol and is currently the Vice President of North American Operations at Katalyst Data Management.

James Lamb, SVP Global Sales and Marketing at Katalyst Data Management, is a geoscientist, having worked in a variety of senior positions with Paradigm, Landmark Graphics, and most recently as President of Sigma Exploration and Chief Revenue Officer at Fieldbit.

Electric vs Conventional: What Drives the Future? - Tania Mukherjee, Mery Ramirez & Telha Ghanchi (Data Connexion)

We have conducted elaborate research on energy trends in the US and the related progressing vehicle behavior patterns. Using detailed fuel usage data, we analyzed the end members' behavior and the effects of the pandemic on it. Our focus was on the global energy transformation trends and how that led to the crossover of energy sources. The basic parameters that dictated our analysis are the total number and type of vehicles on the roads in the US and the related energy consumptions with respect to vehicle types, modes of transportations over the years and imminent future trends. For US states, we compared electric vehicle (EV) sales against conventional vehicle (CV) sales while taking into consideration various human aspects of choosing one over another. While EV vehicle density is expected to play the pivotal role in these kinds of studies, the difference in longevity and the maintenance efforts between EVs and CVs are also crucial components. With an increase in EVs on roads, we expect a linear growth in the demand for EV charging stations. Based on our findings, almost 91% of vehicles on the USA roads are cars and light trucks, but they consume only 57% of the overall fuel consumption. Whereas the commercial fleets make up only 4.6% of the vehicles on the road, they use more than 25% of the overall fuel consumption. Our research and analysis show that transit buses have the highest Gasoline Gallon Equivalents (GGEs), followed by class 8 trucks, refuse trucks and shuttles. Class 8 trucks travel most miles on average, followed by transit buses and shuttles. Fuel usage and vehicle miles traveled by personal cars are significantly lower. The boom in e-commerce over the last three decades have resulted in significant increase in commercial vehicle sales whereas personal vehicle sales have registered a negative slope. The COVID-19 pandemic led to the lowest overall vehicle sales in 2020 with personal vehicle sales being impacted the most severely. Using electric vehicle sales and electric charging station density data, we observed that California owns more than half of electric vehicle registrations in 2018-19 followed by Texas and Florida. Individual analysis of data provided by the auto makers suggests that Ford registers a sale of 14% of the total market whereas the EV flag bearer Tesla is less than 2%. Although in EV market, more than 50% of the sales are of Tesla whereas Ford comprises about 3% of the sales. We also discovered that approximately 59% of US households own 2 or more vehicles, and 78% of the households that own EVs have 2 or more vehicles with at least one of those vehicles being conventional. This could be an indicator that there will continue to be an unremitting demand for conventional fuel in the upcoming decade. The electric charging station density, comprising of both EVSE (Electric Vehicle Supply Equipment) ports and charging station locations, has seen a significant growth in the last decade. But to inscribe any significant effect in the hydrocarbon consumption by the vehicle industry, we would need data on electric commercial fleets and till date their presence is more on the research arena than on actual roads. Recently, some conventional and electric car companies are merging and collaborating on an innovative approach to energy alternatives in a hybrid and heterogenous manner. A significant collaboration to accelerate energy transition is of the Baker Hughes and Bloom Energy on efficient power and hydrogen solutions. Another one of note is Freightliner's partnership with Daimler Electric to produce all electric commercial fleet. In the future, we expect stringent Environment and Emissions regulations, which will more such allies.

Biographies: Tania has been working in the domain of data science and data analytics even before data science was a thing. She had done her Ph.D. in Geophysics and has worked with Shell doing mathematical and statistical modeling before making her move to the domain of Data. She loves solving complex business problems, visualizing data, and analyzing them into simple "storytellings". Mery Clark: Founder, software developer, solutions architect, and strategic tech consultant. Mery has worked with several E&P clients in a management consulting and custom development capacity and helped create solutions around content management, process, and data automation. Mery thrives in all things technical but her unique skillset lies in her ability to orchestrate technical solutions as a balance of cost, objectives, and technology. Telha Ghanchi: Executive MBA from Rice University, Serial Entrepreneur, founder, and professional angel investor. Telha has worked with several E&P clients in a management consulting and business intelligence capacity and helped implement financial and ERP systems. Telha's expertise lies in digital technology, software development and information systems, he has launched successful initiatives that delight clients, interest investors, and are key for a company's grow.

The Human Side of Data | The Human Side of Change - Melinda East (Focus Forward)

Today businesses small, medium, or large, and no matter the industry, often focus their data solutioning in technologies and then get less than optimal results because the data put into the technologies is sub-par either through availability or integrity. Their is little focus invested in root cause improvements to secure a solid data foundation that must consist of assessments in the 3 major pillars: Technology, People, and Process. Often Tech companies, for example, sell a full data strategy but rarely have insight to the People and Process pillars which can result in their customers being underwhelmed with the implemented solution. When the People and Process components are overlooked the opportunities for sustainable change are also overlooked. Throughout my 26-year career in Data and Leadership, the common motivator for change is the passion of the people to contribute to improving business performance through data. Let's discuss how we breakdown the major pillars: Tech, People, Process with a Data and Change lens and discover with certainty what change within the world of Data and digital transformation really takes. Change is embraced when it's understood - it's understood when we simplify what it truly means for people.

Short Biography: For the last 26 years my life has been embedded in the Data world of the Energy industry with a recent shorter run in the Telecom space. My roles have grown from Geoscience Technologist to Business Analyst, to Leader, to Manager, to Department Head of Data Management Strategy. My contribution to Data to date is Building & Leading high performing teams and winning data strategies for business. I now am a Certified Executive Coach, Professional Speaker, and DM Advisor - all in the passion of DATA.

Embracing Change – Guiding personal development in a changing world through PPDM competencies and training - Patrick Meroney & Cindy Cummings (Professional Development Committee)

The Professional Development Committee has developed a foundational competency framework for petroleum data analysts that span many roles within petroleum and broader energy competency requirements. This ground-breaking body of work combined with our 2021 Career Survey results set the stage for the future state of the industry and what you need to thrive.

Part 1 – PDC 2022 Updates (10 minutes) - Brief introduction to the Professional Development Committee and updates on each workstream: Surveys, PD Catalogue, Outreach and Job Families.

Part 2 – Workshop (25 mins)

1. Deep dive into competency framework demonstrating the value and use in guiding personal development in a fast-paced changing environment.
2. Learn how the PDC approached the expansion of the CPDA competencies and how updates to the credential may impact the exam.

Part 3 – Q & A (10 mins)

- Competency Measurement Worksheet (Handout)
- Discussion/Questions

How Can Blockchain Simplify and Protect Ownership Rights For Your Assets - Cindy Cummings (Repsol)

What Blockchain and Smart Contracts Give us - Blockchain is an immutable ledger of transactions. It is Decentralized: No Administrator that knows all transactions and agents transacting with Enhanced security and Consensus (Traceability and auditability). When implemented with Smart Contracts this enforces governance of entitlements. In the future this can allow tokenization (NFT's etc.) of asset, which can lead to new forms of marketplaces and exchanges. An industry-wide decentralized platform facilitates guaranteed transparency without violating confidentiality. This enhances a permanent recordkeeping and traceability of seismic entitlements throughout their lifecycle. Automation of processes & enforcements via smart contracts with near real time transaction create cost reductions and builds the technology that enables no single point of failure. With the rise of Cloud infrastructures and Data ecosystems like OSDU, innovative ways of transacting and accessing Seismic that reduce cost and increase efficiency for all.

Biographies: Cindy Cummings has over 35 years of work experience in the O&G areas of exploration, development, production and information management. Cindy in IM at Repsol in the Woodlands, Texas. Is a certified Agile Project Manager which helps to keep the many data management strategies, programs and projects synchronized in this ever-changing industry. Program Management team of a Repsol global program and the Blockchain Seismic Entitlements for B4E, and PPDM Co-Chair of the PPDM Prof Dev Committee.

A Data Governance Journey to a Better MDM implementation: How People, Processes and Technology Connected the Dots - Hilda Espinoza (University Lands) & Simon Pugh (S&P Global)

The consideration of data as an asset has continued to grow over the last decade as we gather and create more data. Integrating Mastering data across the enterprise has become one of the main goals for any data manager, especially when companies have limited resources to gather, consume, verify, and analyze it. University Lands continuously gathers and consumes data to monitor our operator's activity. As we grow to be the best stewards of our data, we must also keep with the ever growing leading companies holding the best sources of data in our industry as well as those holding best practices in data management. This presentation will explore how University Lands combined PPDM's Well Life Cycle, taken from the Well Status and Classification reference list, to the mastering of well header data from multiple data sources through IHS Markit's (now S&P Global) EDM for Energy platform. The numerous conversations on data governance led us to different data discovery exercises for integrating and mastering this data. The end results provided our teams with the best single version of the truth, where we all have access through visualizations to the one unified answer as well as see ways of identifying areas we can improve our data collection and data sharing.

Biographies: Hilda Espinoza graduated with a Bachelor of Science in Computer Sciences at the University of Texas of the Permian Basin and continued her studies to graduate with a Master in Business Administration. She started her professional IT career with the City of Midland as a Programmer/Analyst where she developed several solutions for different departments across the organization. During her employment at the City of Midland, she was introduced to Database Administration where she took a leading role in the administration, tuning as well as designing entity diagrams. She joined the University Lands team as their Database Administrator almost 10 years ago. Hilda now wears several professional hats in addition to the Database Administrator role, she is a Report Builder, Data Warehouse Designer, Data/ETL Developer and Data Architect. Hilda lives in Midland, Texas, she's happily married, and is a proud mother of four children. She loves dancing and enjoys discussions about data, its challenges and implementations.

Automating Data Governance for Borehole Data - John Pomeroy (FerVID Group) & George Ramirez (Occidental)

Oil and gas companies acquire a large amount of data. These data represent a substantial investment (\$10s millions) and quality data are essential to effective scientific analysis and informed decision making. Ensuring that all data are TRULY treated as an asset is a key driver for enterprise success and competitive value. Lack of consistently governed data... • Inhibits ability for collaboration across BUs on common operating areas • Impacts ability of geoscientists to work across multiple areas • Presents challenges in data exchange between disciplines – petrophysics, geology, reservoir and petroleum engineering • Increases risk of lower quality/lower confidence modeling. • Makes ML/AI analytic approaches challenging. In recent years, OXY has invested in implementing robust data governance, policies/standards, process automation and enrichment of borehole data, with particular focus on interpreted data, which constitute the most valuable of all data. There are several key approaches to ensuring that all data assets are properly managed and are fit-for-purpose for static and dynamic modeling and evolving modern analytic/data science driven use cases. Rigorous governance and efficient processes go hand-in-hand to capture, manage in mature SoRs, monitor data quality and consistency across systems, and automate distribution of ready-to-use data to point of consumption. Since embarking on the program of governance and automation fewer data management resources are now able to achieve increased SoR completeness, measurably improved data quality and reduced data loading cycle times. Business benefits realized: Data flowing to interpretation platform is valid, consistent, fit-for-purpose, arrives at the right time, driving reduced business user non-productive time and better decision making.

Biographies: John Pomeroy is Vice President of Data Management at The Fervid Group. Over the past 35 years John has worked for software, consulting and Oil and Gas operating companies. As well as many years of experience in subsurface data management, John's areas of expertise include solution architecture, data architecture, business architecture, and enterprise architecture. Key strengths include the ability to think big and act small - balancing broad vision and strategy with essential tactical process and data improvement initiatives.

George Ramirez is the Director of Petrotechnical Systems of Record team at Occidental Petroleum Corporation (Oxy). Over the course of George's 45 career, he has worked in the oil and gas segment of borehole data management, operations, and core/paleo labs. George's area of expertise includes, data governance, automation processes, systems of record architecture, and development of strategies for Oxy's core and log databases. George expects his team members, to provide Oxy with data that is in the right place and at the right time to ensure that key business decisions can be made.

Embracing the need for seismic data standards - Don Robinson (Resolve GeoSciences)

In the decades since the advent of reflection seismology, the oil and gas industry has accumulated vast libraries of SEG-Y data. Unfortunately, many of these SEG-Y files lack critical metadata, contain format problems, and do not follow the standards set by the SEG Technical Standards Committee. This presentation will review what has contributed to this problem, current efforts to correct it, and examine practical applications of the latest standards. First, we will explore the factors contributing to the proliferation of SEG-Y format variations in the industry. The digital seismic data used for interpretation today have been primarily recorded since the 1970s. Despite the long history and critical importance of the SEG-Y format, industry-wide standards garnered little attention until the release of SEG-Y Rev 1.0 in 2002. In addition, as acquisition, processing, and hardware technologies improved, both SEG-Y Rev 1 and Rev 2 have had to accommodate new types of data stored in the SEG-Y format. In looking to the past, we can set the stage for how the industry can best confront the issue of format standardization. Second, we will discuss current efforts to establish industry standards to enable quick data access, efficient exchange between companies, and the adoption of rapidly evolving new technologies. These include the most recent revision of the SEG-Y format, Rev 2.0, and the ongoing development of the OSDU™ Data Platform to allow for more efficient E&P workflows. Finally, we will look at applications of the latest standards and best practices that companies can follow to access seismic data as quickly and efficiently as possible. With proper quality control procedures in place, both legacy and current data will be available for use by new technologies without concern over format. For example, by adapting formats to enable efficient loading into generic multidimensional arrays, the oil and gas industry has an opportunity to analyze more data than ever before using existing artificial intelligence, machine learning, and deep learning algorithms at a much lower cost. Topics will include collecting metadata, identifying and securing entitlements, conditioning data, and cataloging and storing for quick access. This presentation will demonstrate how standardization is critical for our industry to benefit from the massive investment in seismic repositories.

Biography: Don Robinson has been involved with software development and seismic analysis for over 48 years. He entered the geophysical industry in 1973 working for Geo-Search Corporation in Midland, Texas. In 1980, he founded Oklahoma Seismic Corporation in Oklahoma City. He co-developed the MIRA interpretation system, which was sold to Landmark Graphics in 1993. He established Resolve GeoSciences in 1997, focusing on the development of SeisShow for the analysis and display of SEG-Y seismic data.

IPDS Open House - Amii Rozell & Shawn New (Rules Committee)

The Chairs for the Rules/Reference/Objects committees will gather in an open house format to give the members an update on the ongoing of each committee individually then walk the members through how the three groups are working together to advance the IPDS for PPDM. We will also discuss how we are helping the OSDU with rules, reference lists, and objects..

Biographies: TBD

Strategies for Managing Data: Data Lake vs. Data Warehouse - Abel Tan & Jonathan Tan (PetroGrid LLC)

A data storage structure together with data governance and data management tools is one of the most important building blocks in data management. The data storage structure determines the way by which data is catalogued, maintained, queried, accessed, and processed. The two commonly used data storage structures in upstream oil and gas are the data lake and the data warehouse. A data lake is generally used for unstructured data or objects such as files, images, and other data cluster formats. Examples include LAS files for well logs, WITSML files for upstream well data, and SEGY files for seismic data. To help locate and access the contents of a specific file, a catalog (metadata) is created which also facilitates file identification. In addition to the catalog, an associated application(s) enables the processing and extraction of file contents. A data warehouse, on the other hand, stores data in a relational database as defined by an associated logical data model or schema. The data is organized in tables or entities consisting of records (rows) and attributes (columns). As a result, a data warehouse stores data at a more granular form with attributes potentially being distributed over multiple tables. The data model informs users, programs, and applications where specific data will be located as well as other associated data. The data is then accessed through SQL (Structured Query Language). This presentation will describe the strengths and weaknesses of each data storage approach and illustrate ways in which these two can be configured to work together in synergy through a practical example.

Biography: Abel Tan's petrotechnical data management experience began in the early 1980's initially as a geoscientist and later progressed to become a data management consultant for medium and major oil and gas companies. He received several awards from multiple client companies for developing innovative solutions for managing subsurface data and workflow optimization, including a chairman's award for a G&G/IT project. He is currently a solutions architect and consultant with PetroGrid LLC. Jonathan Tan is a solutions developer and data manager with PetroGrid LLC. Using his background in geoscience, he has designed and developed applications and custom solutions for accessing, managing, integrating, and visualizing upstream oil and gas data.

Business-Driven Data Quality Management - Abel Tan & Jonathan Tan (PetroGrid LLC)

Just as beauty is in the "eye of the beholder", so too is data quality. Data quality often depends on the one evaluating the data based upon a specific intended use. A geoscientist might look at data quality from the perspective of the geoscience task to be accomplished, whereas a reservoir engineer might assess the same dataset to be "good enough" for its use in reservoir modeling. Other factors based on data usage that can influence data quality assessment include legal compliance (contractual and governmental), reliability of derived business KPI's, safety, and organizational constraints among many others. These factors, when present in combination, can further complicate data quality assessment. From an enterprise perspective, data quality assessment and the value of data quality is heavily influenced by the desired business outcome. For example, data quality has less value for a hydrocarbon asset that is no longer economical compared to an asset that is in the early stages of its production lifecycle. As such, data quality assessment can change over time. Business activities such as mergers and acquisitions can also drastically change data quality requirements. These factors affecting data quality perceptions can help explain the variance in the way data management is carried out in different organizations. With these factors in mind, this presentation will attempt to provide a structured approach to data quality evaluation and to give an example of how improved data quality can be correlated to measurable business value.

The value of a data marketplace and data products - Curley Thomas, Justin Walker, Jeff Bauer, Julia Nemanic, & Hashim Abdullah (Chevron)

We have aligned the enterprise on the definition of a data product and the value of having all of our data products available in our data marketplace. This provides a standard repository for data from different functions but making it available to any consumer across the enterprise with appropriate data governance, data quality and data standards. In doing so we leverage PPDM data definitions and standards. We will share our journey and the value it brings to Chevron.

Biography: Curley Thomas is currently the manager of Enterprise Data Performance.

A look at synchronization between your Seismic Master Repository and OSDU - Paul Thompson (Talus Technologies)

While SEG-Y file management is a huge part of maintaining your seismic master repository, there is much more that can be done with the role. In this presentation, we will focus on another area: implementing and supporting a hybrid solution through synchronizing your Seismic Master Repository with OSDU™. We'll look at what can be managed in OSDU, and, just as importantly, what cannot be managed in OSDU. First, we will look at how SEG-Y files and their corresponding entitlements and obligations are managed in OSDU. Second, we will look at a few key seismic data management processes that are not managed in OSDU. This includes workflows for managing physical assets, workflows for managing the delivery of both physical and digital information to partners and governments. We will also look at managing seismic data that is stored outside of OSDU. Finally, we will look at the actual synchronization process. How it works, what performance looks like, and the possible risks with maintaining a hybrid solution. In reviewing these areas, this presentation will provide insight into how a hybrid solution can work for you. With the right hybrid solution, you can integrate OSDU into your current Seismic Master Repository.

Biographies: Paul has 20 years of experience in designing and developing software applications for seismic data management. Paul has been with Talus for over 10 years and before joining Talus, Paul worked as a consultant at Calgary EDM Solutions. Paul has very broad and in-depth knowledge of seismic data management practices. He currently manages Talus' integration services team and is one of the lead engineers behind Exploration Archives.

What is a Facility Update - Tom Duong (What is a Facility Work Group)

TBD

*Biography: TBD***Keynote Presentation - Arun Marayanan (AngloAmerican)**

TBD

Biography: Arun Narayanan was appointed the Chief Data Officer of Anglo American in 2018. In this role, Arun is responsible for shaping and leading the implementation of Anglo American's data analytics strategy. The Data Analytics group is part of Anglo American's innovative approach to sustainable mining, helping to shape the future of Anglo American and potentially change, for the better, how the entire mining industry operates. Arun leads the team that develops the industry-first VOXEL platform, which implements digital transformation for mining. This platform uses data science to improve operational efficiencies and output of Anglo American, which will help deliver towards the profitability of the company, increase the safety of operations and reduce any environmental impact. Previously, Arun was with Schlumberger for more than 21 years, focused on building and executing best-in-class software for the oil and gas market. His final role there was VP E&P Data, Schlumberger Software, responsible for defining and building the industry's first E&P data lake encompassing exploration, development & production. Arun joined Schlumberger in 1997 and has been instrumental in developing the software landscape of oil and gas software. Arun led the team that developed the oil industry's first cloud-based offering INTERSECT in the Cloud, which led to developing the transformative end-to-end DELFI platform. Arun held various technical and management positions within Schlumberger in the US and Asia. He has, in the past, been responsible for product design, development, and marketing. He also was the general manager for the software businesses in India and Malaysia. Arun holds a Bachelor's degree from the University of Mumbai, a Master's degree in Computer Science from Iowa State University of Science and Technology, and MBAs from both the University of Houston and the University of Texas at Austin.

Keynote Presentation: The Future? That's So Yesterday - Ellen Nielsen (Chief Data Officer, Chevron)

Our world moves ever faster. The speed and rate of change increases not by months or weeks, but often by days and minutes. How is an association like PPDM rising to the challenges of these changes? What avenues and technologies will move data forward to be the source for insights? Ellen Nielsen, Chief Data Officer at Chevron explores the digital landscape and provides thoughts on a path for the future.

Biography: Ellen Nielsen is currently the Chief Data Officer of Chevron and is responsible for making data accessible and trusted to enable better decision making and create value throughout the enterprise. She joined Chevron in 2018 as General Manager of Category Management in supply chain and provided leadership to improve sourcing strategies, organizational capabilities, and supplier relationship management. During her nearly 30-year career, Ellen worked in IT and procurement/supply chain in numerous industries including IT, automotive, FMCG and recently in Oil & Gas in senior and executive roles with companies like Henkel, Hewlett-Packard, GE and Siemens. She has served in several leadership roles of increasing responsibility in procurement/supply chain, as CIO and head of Shared Services for North and Latin America. Ellen is very experienced managing change and has led international teams in fast-moving, disrupted industries through digital transformations, multiple acquisition integrations and business transformations, creating significant value. Ellen is in the advisory board of PIDX (Petroleum Industry Data eXchange) to support process, information, and technology standards in the Oil & Gas industry. She is member of the advisory board of WLDA (Women Leaders in Data and AI), supporting women entering the field as a professional career. At Chevron, Ellen serves as an advisory board member of the largest employee network in Houston. She holds a degree of IT engineering and is an avid skier, golfer, hiker. Ellen is a lifelong learner and describes herself as a very curious person.

Adapting Data Governance For New Energy - Jess Kozman (Katalyst Data Management)

A look at how key facets of successful field-validated data governance frameworks can be adapted for data types that support renewable energy, carbon mitigation and ESG embedded data flows. Considerations include responsibilities and accountabilities for data stewards in the areas of metadata, classification, standards and custody handoffs. Takeaways will be deployable guidelines for the role of a data sponsor in reviewing new data types for contractual, legal and regulatory access.

The Paradigm Shift in MDM in Energy: Cloud, AI and OSDU- Benin Chelinsky (S&P Global)

In accordance with the theme of “embracing change”, this session will focus on how the Master Data Management (MDM) paradigm is shifting and evolving. Energy companies are managing more data than ever before and have an increased focus on digital transformation. This includes leveraging the power of cloud to scale, and using AI/ML to automate their workflows. We will outline the latest strategies for alleviating the related data management challenges. Companies that are aware and adapting to these trends in MDM will have a distinct advantage over their peers.

This session will focus on trends in cloud and local infrastructures, data residency, data ingestion, AI/ML-augmented data matching and mastering, and how we can leverage PPDM and OSDU to enrich data within companies.

Biographies: Benin is the Director of Product Management for Enterprise Data Management (EDM) for Energy at S&P Global Market Intelligence. He is a business leader and innovator focused on building great teams that build great products that solve great problems for customers. He has diverse experience in petroleum engineering, working in QRI and overlooking field development projects in Colombia, Peru and Mexico. He was also a product manager overlooking a multimillion dollar software portfolio at Schlumberger.

Passionate about teaching and mentoring, he conducts a 1-day production engineering class to the students of University of Oklahoma every semester. Benin holds a Bachelors in Chemical Engineering from BITS, Pilani, and Masters in Petroleum Engineering at the University of Tulsa. He is currently pursuing his professional MBA at the Kellogg school of Management, Northwestern University.