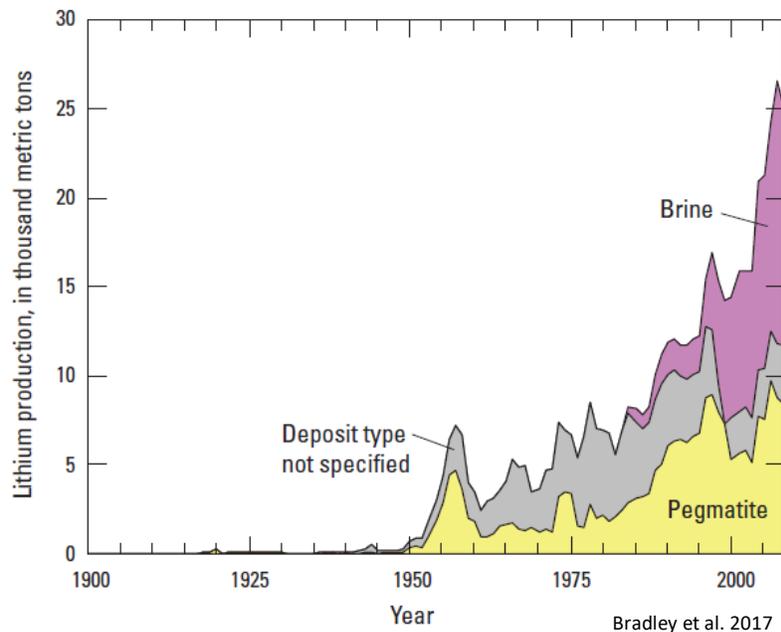


Lithium: New Ideas or Running on Empty?



Speaker: Kathleen Dorey

Petrel Robertson Consulting Ltd.

While many people think of lithium only in the context of batteries, it is a critical material supporting development of diverse new technologies in the 21st century. Global supply chains of years past must be rapidly expanded to meet new demands. Traditionally, lithium has been produced from both hard-rock mines and from highly saline brines brought to the surface and concentrated through evaporation. New mines can be developed, but surface concentration of lithium brines is limited to specific areas and is coming under increased environmental scrutiny. To address the demand, exploration companies have identified brines in saline aquifers as huge potential new lithium resources, but there are challenges to finding, appraising and developing them. This talk will shed light on the current challenges and highlight new ideas for future development.

Bio:



Kathleen Dorey

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As a managing partner of Petrel Robertson Consulting in Calgary, Canada, Ms Dorey leads a team of geoscience professionals at the forefront of adapting petroleum geoscience skills to new resource applications such as lithium and helium exploration, geothermal energy, and CO2 sequestration. Kathleen has an Honours Bachelor of Science degree from Western University in Canada and has worked as a geoscientist in major operating companies such as Texaco, Conoco and BG International as well as many junior energy companies. Kathleen has contributed to and presented talks and courses for the CSEG, SEG, EAGE, CSPG, CGEF, UGTF, AAPG, Petrotech and APEGA. She is currently the President of the CSEG, Past Chair of the CSEG Foundation, past member of the SEG Council, has served as a Director on the GeoConvention Board and has been a Session Chair for the GeoConvention for the past decade.