Chemical controls on the solubility of metal bearing phases in hydrothermal solution

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In this lecture, I will address the following topics:
- How do we form an ore deposits?
- Chemical composition of hydrothermal fluids,
- Water properties at elevated T-P,
- Metal complexation and mineral solubility in aqueous solution,
- How to study metal speciation in hydrothermal fluids?

Genetic model for unconformity U ore deposits