

## Understanding base metal deposition in sediment-hosted environments

### Iranian research center:

Tarbiat Modares University, Tehran, Iran

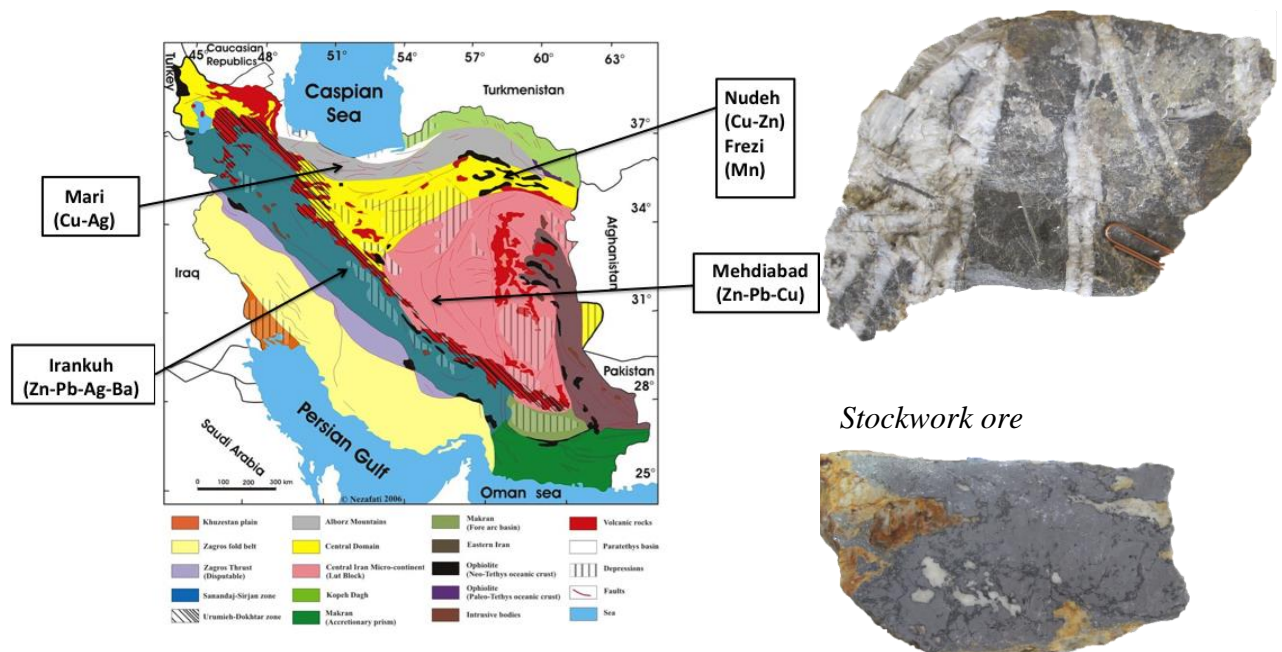
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**French research center:** Chrono-Environnement - Université de Bourgogne-Franche-Comté

**Iranian researchers:** Boveiri M., Movahednia M., Maghfouri S.

**French researchers:** Choulet F.

This project aims at understanding the processes leading to the formation of Zn-Pb and Cu-(Au) ore deposits. Several targets across Iran were considered, e.g. the giant Mehdiabad Zn ore deposit, Zn-Pb deposits of the Irankuh district, and Cu manto-type deposits in northern Iran. Investigations include field observation, mineralogical characterization and determination of mineralizing fluids. Integration of produced metallogenic model within regional geological evolution is essential for determining key parameters for future exploration project in Iran.



### Publications:

- Boveiri et al., submitted to ore Geology Review  
 Maghfouri, et al. 2018. Geoscience Frontiers, 9: 249-272.  
 Maghfouri et al. 2017. Chemie der Erde, 78: 40-57.  
 Maghfouri et al. 2017. Ore Geology Review, 89:96-113.  
 Movahadnia et al. 2017. Geosciences, 103: 249-264.  
 Maghfouri et al. 2017. Ore Geology Review, 81: 10-22.