

Armorican Mineral Systems

ArMinSyx

1.4 M€ funded

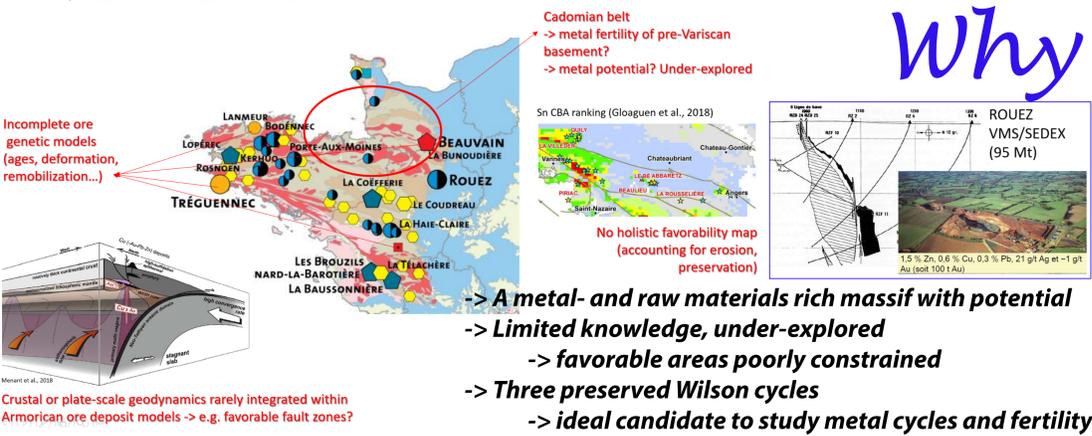


PROGRAMME DE RECHERCHE
SOUS-SOL

Objective: to evaluate and deepen our understanding of the mineral resource potential of the Armorican Massif across key geological periods and spatial scales selected for both their prospectivity and significant knowledge gaps

Why

Who



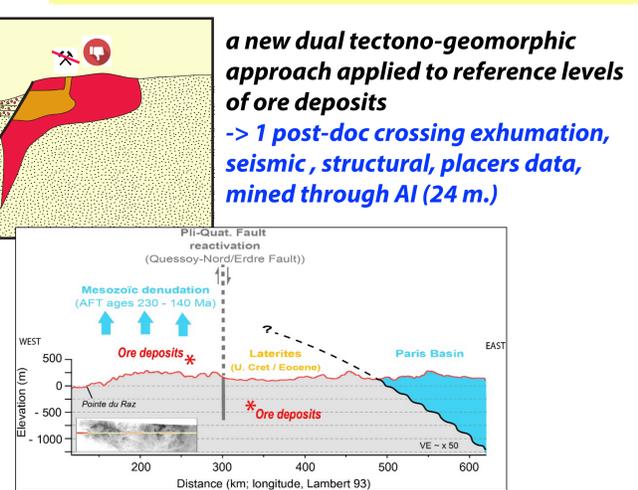
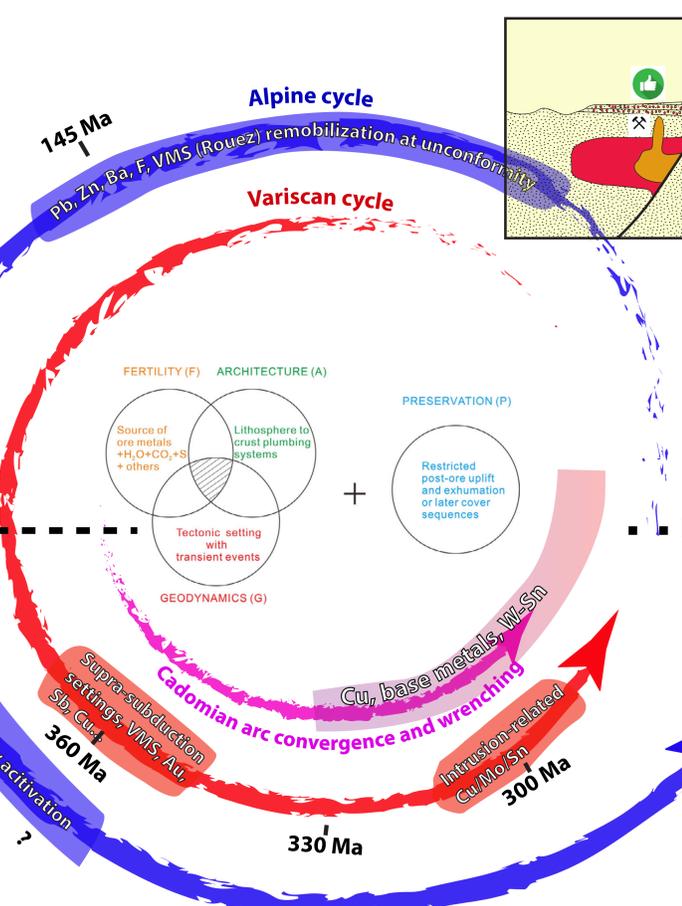
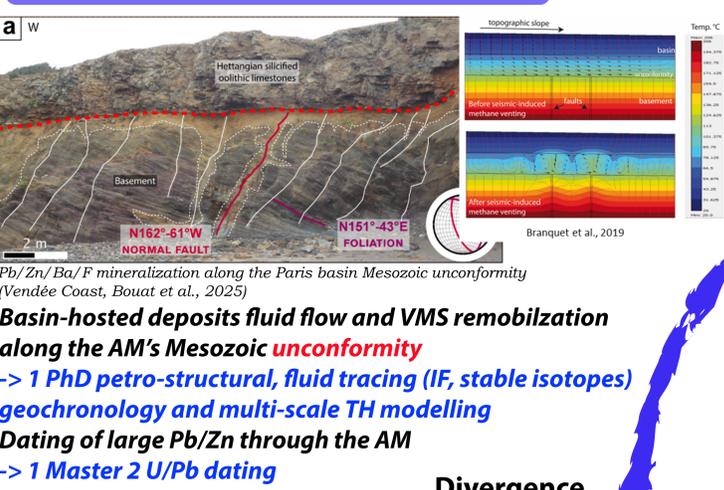
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ArMinSyx Experts:
 M. Ballèvre (GR) / E. Hallot (GR) / D. Neraudeau (GR) / F. Guillocheau (GR) / E. Marcoux

- > A metal- and raw materials rich massif with potential
- > Limited knowledge, under-explored
- > favorable areas poorly constrained
- > Three preserved Wilson cycles
- > ideal candidate to study metal cycles and fertility

WP3: Post-Variscan metal bearing continental hydrothermalism

How

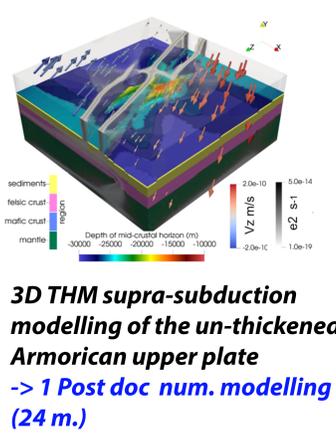
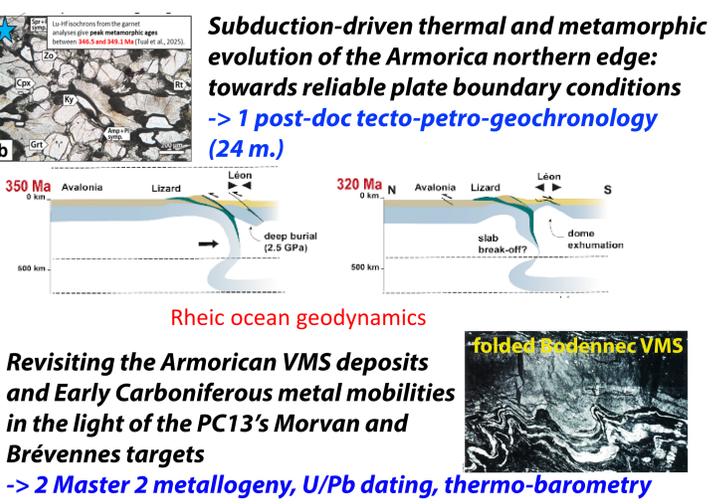
WP4: mineral deposit preservation in the Armorican Massif: constructing favorability maps using a holistic approach



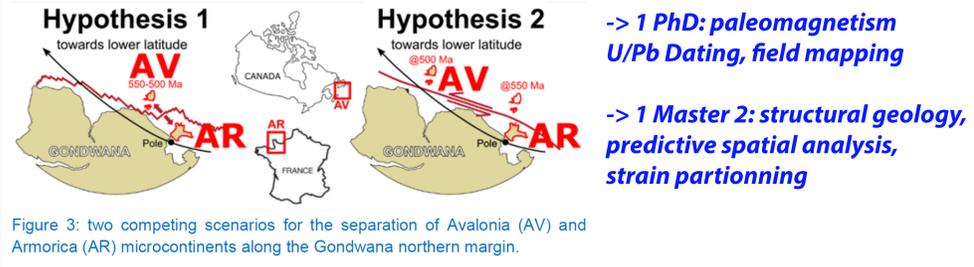
WP2: Favorable tectonic settings and metal endowment during the Variscan period

WP1: Metal potential and heritage of the North Gondwana margin during the Cadomian accretion up to the Early Paleozoic Break-off

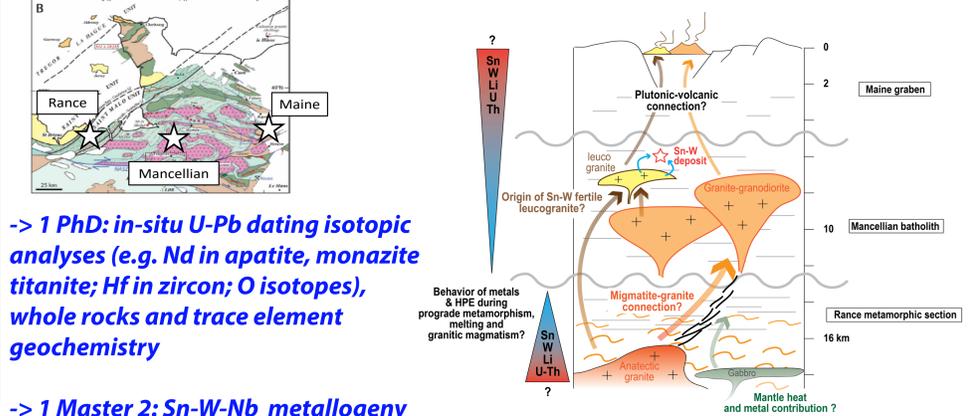
WP2-Task 1: Armorica around 360 Ma : a supra-subduction setting to explore for VMS base metal mineralization and Sb/Au/Cu/Sn? (pre-) concentrations



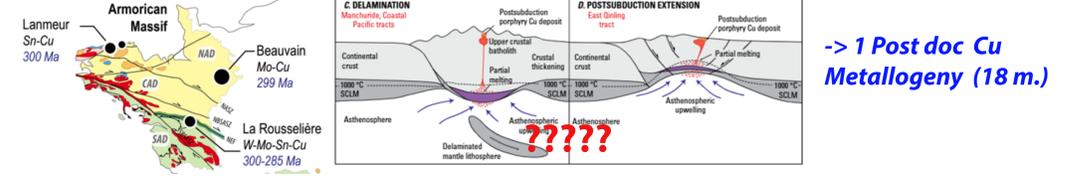
WP1-Task 1: Reconstructing the geodynamic and structural framework to identify favorable transient tectonics and plumbing system



WP1-Task 2: Tracing the source and metal fertility of the pre-Variscan basement



WP2-Task 2: Intrusion-related Cu mineral system in late orogenic setting



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