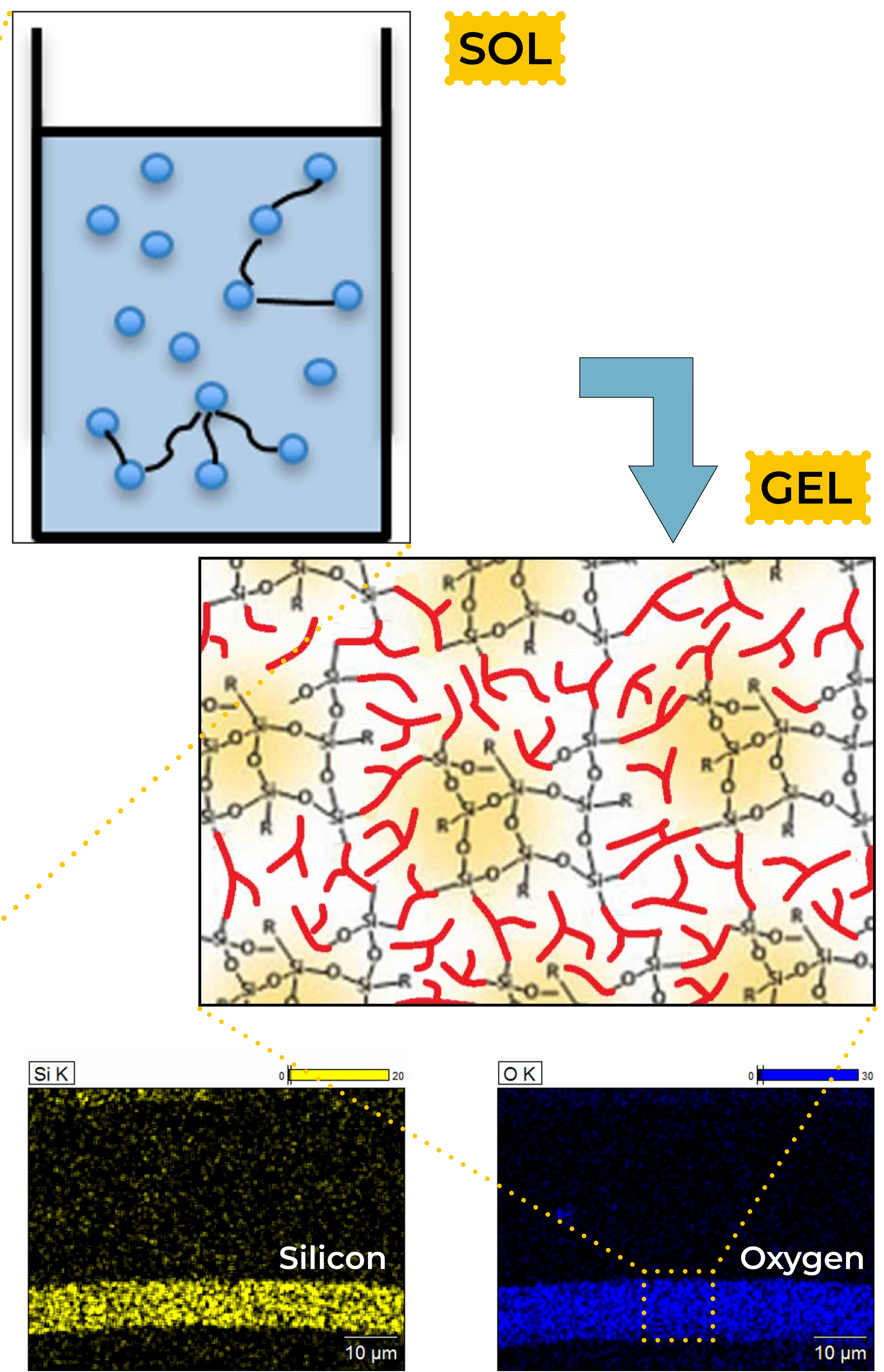


SOL-GEL HYBRID COATINGS AS PRIMER FOR HIGH QUALITY ECO-EFFICIENT MAGNET WIRE

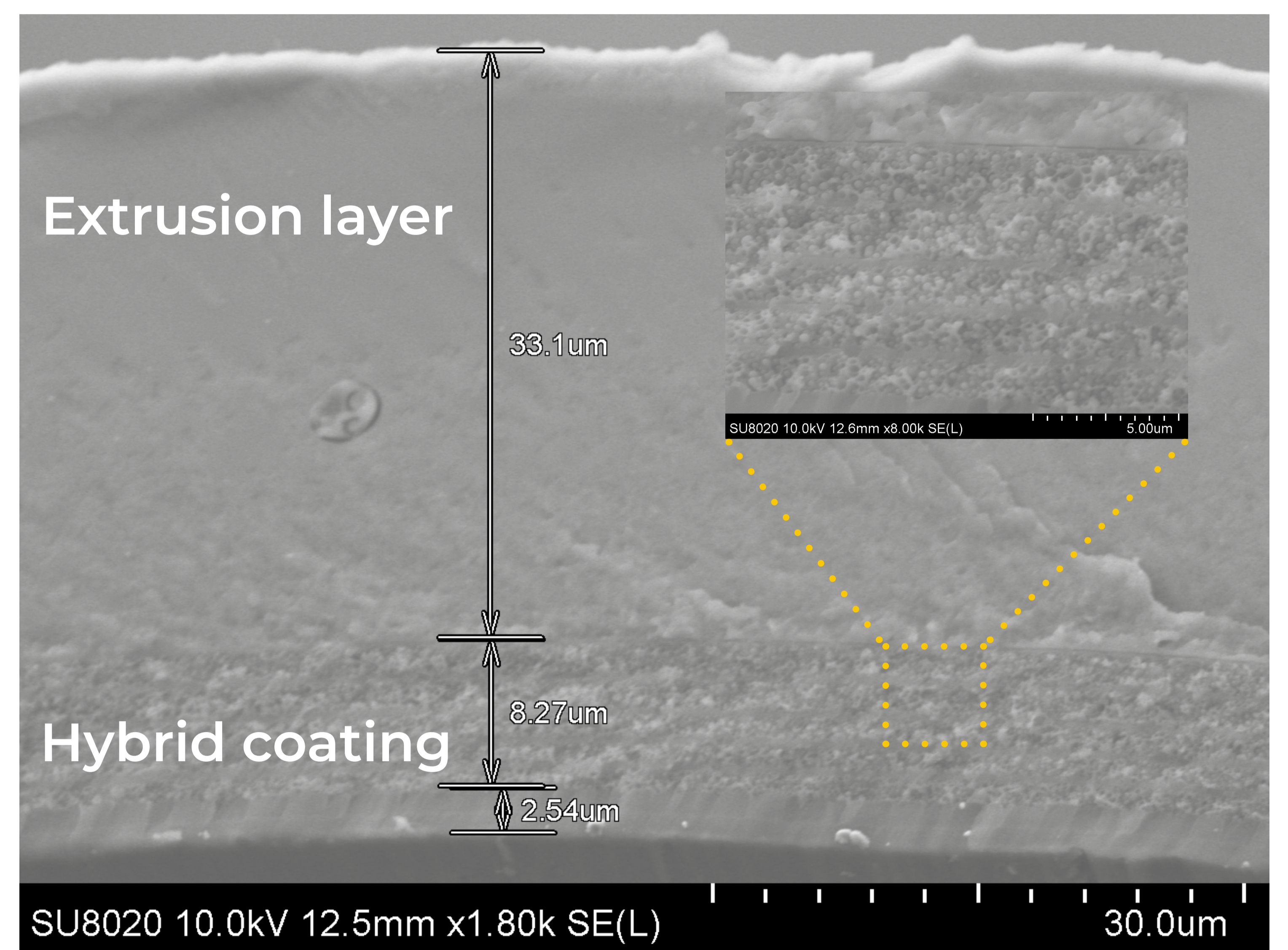
Materials/Process

- (a) Hydrolysis/Condensation (from sol-gel process)
- (b) Hybrid varnishes/Polymeric composites
- (c) Hi-ECOWIRE process (Application/Drying)



Modeling and Characterization

- o Morphology and microstructure
- o Electrical and mechanical tests
- o Thermal analyses and aging tests
- o Elaboration of methods for electro thermal modeling of wire in motors and generators



SEM-FEG images coupled with EDX analyses (HI-ECOWIRE magnet wire)

PARTNERS



ASSOCIATED PARTNERS

