## THE ÉTALE TOPOS RECONSTRUCTS VARIETIE OVER SUB-P-ADIC FIELDS

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Given a scheme X of finite type over a finitely generated field k of characteristic zero, Grothendieck conjectured that one can reconstruct X from its étale topos Et(X). Voevodsky showed that this is true

when X is normal. In this talk, I will first describe how we improve Voevodsky's work to prove Grothendieck's conjecture in characteristic zero (this is joint work with Peter Haine and Sebastian Wolf). I will then explain joint work with Jakob Stix, and discuss how one can use techniques from anabelian geometry to show that, in fact, the étale topos reconstructs any scheme of finite type (up to universal homeomorphism) over a sub-p-adic field (i.e. a finitely generated extension of a p-adic field).