

Quasi-coherent sheaves Small/big étale site have similar deln but allow alg. spaces EtlX) etlX) schemes/X, This gives an equiv. topos, Ox6 Xet structure sheat On scheme YEEt (X), gives Another description; RESU gives X, Let R'=U, U, U we can look at "equivariant" sheaves, i.e. sheaves For U W/ an iso. SF ~ tF satistying a cocycle condition on R, ex-modules can be defined in either setting, Def. An Cx-module Fis quasi-coherent if It e Et'(X) s,t, Fx is quasi coherent. Some we coherent.
By descent theory, this gives the usual defin on schemes. Pushtorwards, pullbacks defined the usual way, You can define rel. Spec, hence affine morphisms Stein factorization, Chow's lemma, finiteness of cohomology for proper things hold.