## A geometrization of mixed Hodge structures

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A mixed Hodge structure is, roughly speaking, a vector space endowed with three filtrations that respect some incidence relation. We will describe an equivalence of categories between the category of mixed Hodge structures and a category of equivariant vector bundles on the projective plane that are semistables for a semistability condition related to a divisor. We will give consequences of this construction. We will next describe the difficulties to write such a dictionnary for variations of (mixed) Hodge structures.