

The ECOGAL project: a multi-scale and multi-technique approach to the interstellar medium

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The two major difficulties of the interstellar medium problem are, on the one hand, the large scale dynamics and, on the other hand, the great diversity of the processes involved. To address these challenges, the ECOGAL project proposes an approach that combines a series of simulations at several scales, zooming in and out, and comparisons with observations. During the presentation, I will focus on the formation of molecular clouds and protoplanetary disks. In both cases populations are obtained and compared to observations.