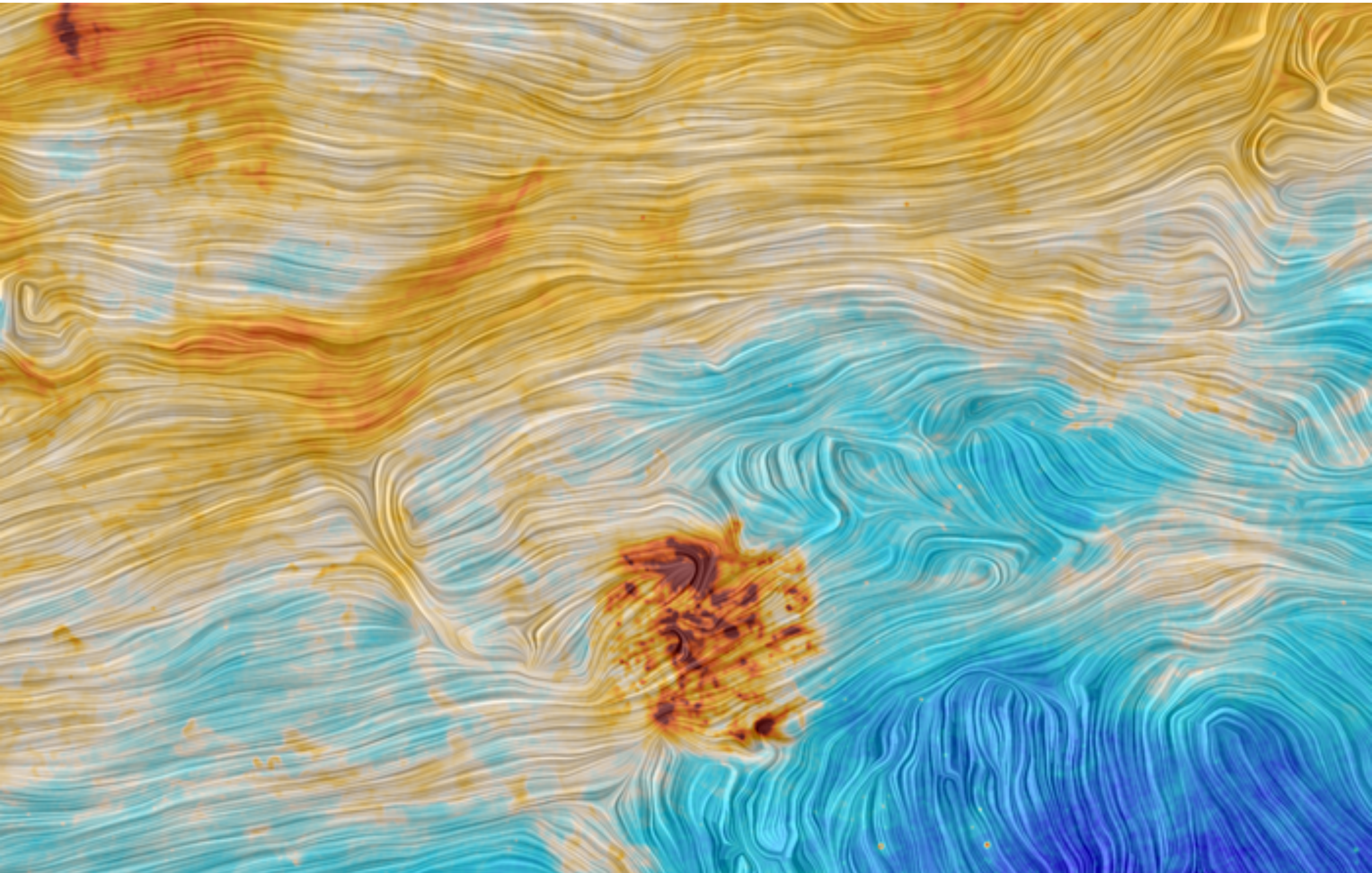
Diego F Gonzalez-Casanova

UW-Madison



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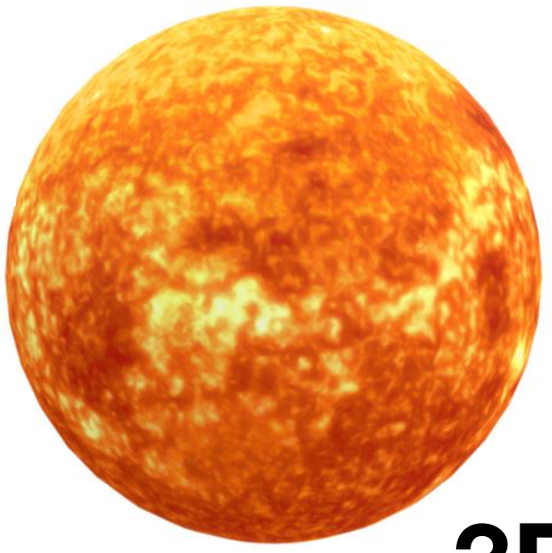
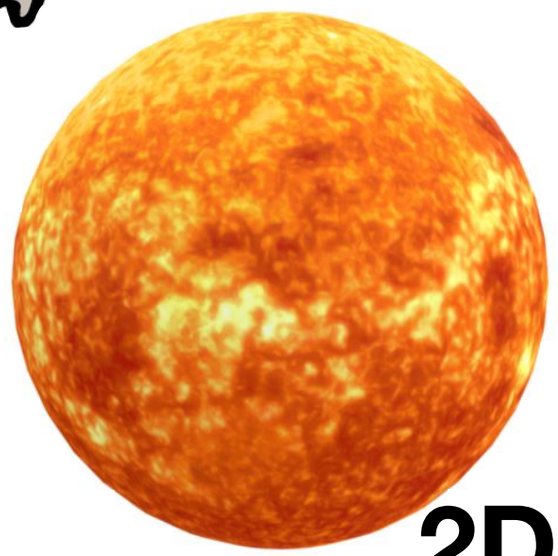


3D

In order to understand the interstellar medium, we need computer simulations. This done by solving the magneto hydrodynamic equations (with turbulence, gravity and chemistry). For this I need high-performance computing, on simulation that take about a week.

Then is important understand the “observables” (2D variables) and find relationships with the real variables 3D. For this part I use regressions, classifiers, PCA, …



2D