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## A Gaia 4D panoramic of the clustered star formation in the solar neighborhood.

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Gaia data has tailored a very complete sample of open clusters, within 3.5 kpc around the Sun, with homogeneous data. The clusters with ages less than 50 Ma (YOCs) provide a taster of how clustered star formation takes place in the extended solar neighborhood. From the Gaia-YOC sample we analyze the hierarchy of star formation in this Galactic region and the 4D (X,Y,Z,Vz) structure in the solar vicinity. Warp, corrugations and local high displacements seem to coexist in this Galactic area that challenges us to look for a unique scenario able to fit all the pieces of the puzzle.

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**Session Classification:** Overview on Gaia data/products and their use