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Characterisation of Gaia alerts using the Virtual Observatory (poster pitch, online)

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Transients can be defined as astrophysical phenomena whose duration is significantly lower than the typical timescale of the stellar and galactic evolution (from seconds to years in contrast to millions or billions of years). Supernovae, novae, gamma-ray burst,..., are some examples of transient events. In most cases, a fast, multiwavelength characterisation is required to properly understand the true nature of the transient. Follow-up observations made by both professional and amateur astronomers using ground- and space-based facilities are key to achieve this goal.

In this poster we propose an alternative and complementary approach using the existing information in astronomical archives and benefiting from the advantages that the Virtual Observatory (VO) offers in terms of discovery, access and analysis of astronomical data. Using VO tools and services (STILTS, VOSA, SVO Disc-Tool) we will describe an automated workflow to validate and characterise candidate Cataclysmic Variables identified by the Gaia Science Alerts project.

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