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Type: **Non spécifié**

Science data challenges for the SKA

mercredi 10 mars 2021 10:20 (30 minutes)

I will talk about some of the work we have been doing at the Square Kilometer Array (SKA) creating data challenges that help prepare users for when the SKA comes online. The focus of these is to give users data similar to that expected from the telescope, and ask them to implement workflows that produce science outputs. The first data challenge involved identifying and classifying sources in images, and we developed an example containerised solution promoting best practices in machine learning, software development and reproducibility. I'll highlight some parts of this, and discuss some of the machine learning methods that were most useful.

Orateur: CLARKE, Alex

Classification de Session: Workflows