

**EChOSim : an end-to-end simulator of the Exoplanet CHaracterization Observatory**  
**Poster : yes**

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EChOSim is an end-to-end simulator of the EChO observatory, created to assess all aspects of the EChO mission concept. EChOSim implements a realistic time-domain simulation, modelling the current baseline instrument and proposed alternative options. This allows a quick and cost-effective evaluation of the proposed designs, conducting trade-off studies when required. EChOSim is in this different from other radiometric models of the EChO mission, as it allows a thorough time-domain assessment of several systematics which would not be possible, or very difficult to study in static simulations. This poster outlines the capabilities of EChOSim and the design philosophy behind it.