

## EPICS Collaboration Meeting September 2022



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# PVEcho: Using PvaPy in the construction of the Vsystem/EPICS Bridge to facilitate the migration of the ISIS accelerators control system

*Friday 23 September 2022 09:30 (5 minutes)*

The migration of the ISIS Controls System from Vsystem to EPICS presents a significant challenge and risk to the day-to-day operations of the accelerator. An evaluation of potential options has indicated that the most effective migration method to mitigate against this risk is to make use of a 'hybrid' system running Vsystem and EPICS simultaneously. This allows for a phased porting of controls hardware from the existing software to EPICS. This presentation will describe the two prongs of PVEcho: *vistatoepics* which replicates Vsystem channels in EPICS and *epicstovista* which propagates changes in native EPICS IOCs to Vsystem channels. It will outline the software stack used for PVEcho's construction as well as how *pvapy* has been utilised to in each of its components.

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