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UNAM-JINR network connectivity status

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One of the key elements we must verify before joining a Grid infrastructure is network connectivity. A high bandwidth is required to move a large volume of data, and this must be accompanied by optimized routing.

Based on our previous experience with the Grid in ALICE (WLCG), AUGER (EGI), and EELA (Europe-Latin America), optimizing the path is challenging when Grid resources are distributed across several countries, and the National Research and Education Networks (NRENs) must adjust the routes accordingly.

For NICA, we have the support of CUDI (the Mexican NREN). We are working with them to resolve asymmetric routing and enhance connectivity to JINR. Additionally, with the support of CENIC in California, USA, we plan to explore connectivity to JINR through the Pacific Wave link.

Finally, with the added network traffic from several international collaborations and the hardware upgrade between CUDI and CENIC, we anticipate a network bandwidth upgrade for UNAM shortly.

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