

# UbuntuNet CONNECT | 2019

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## Collaborating for connectivity around the globe

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By joining forces, the R&E Networks are bigger players in relevant markets —such as the intercontinental connectivity market —than before. Hence, the R&E Networks can be much more ambitious and create a more far reaching result, yielding a sustainable high-performance global interconnect for research and education. By joining forces, the R&E Networks now have the potential to bring the Global R&E Network (GREN) within reach.

Over the last 5 year we've seen impressive results by R&E networks joining forces by implementing new capacity following the Global Network Architecture (GNA) guidelines. For example: The Advanced North Atlantic collaboration of 8 parties now jointly run a high capacity system across the Atlantic Ocean. There is also the Asia Pacific Ring that supports the R&E community with a similar system between Asia and North America. All intercontinental systems are built and shared along the principles of the GNA.

That collaborating under the flag of the GNA is a successful concept is proven by the trend that more collaborations keep coming up, covering more intercontinental capacity. Earlier this year 8 parties launched the AER system to interconnect Europe and Asia by several NRENs in both continents.

This presentation will explain the principles of the Global Network Architecture, show some of the achievements and will give the participants of UC2019 an update on the future plans that that will lead to a truly global R&E network.

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