Contribution ID: **43**   Type: **not specified**

Evolving distributed computing for the LHC

Monday, 6 May 2019 13:50 (40 minutes)

In this talk I will look back at the successes of the global distributed computing environment for LHC, and some of the lessons learned. In looking forward to the High Luminosity upgrade of the LHC, where we anticipate data volumes on the order of several Exabytes per year, there are a number of ongoing R&D project investigating how the system will evolve to manage the overall capital and operational cost, whilst retaining the key attributes of a globally federated and collaborative data and computing infrastructure. I will describe some of the most important of these activities, and the potential synergies with other large scale and international science projects.

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Session Classification: Opening Plenary