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Maximizing the dissemination of HEP technologies to society: the CERN model (25' + 5')

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With its ambitious scientific programme to discover new physics, CERN has to continuously innovate to push the boundaries of technology and achieve ever higher levels of energy and luminosity in the Large Hadron Collider and to detect and process intelligently collisions of interest which occur in the LHC experiments.

Equally ambitious is CERN's approach to transferring those technologies to society for applications beyond high energy physics, where the primary driver is to maximize dissemination and impact. This approach of putting society first, has deep implications on our dissemination strategy: favouring open dissemination models, addressing the entire business spectrum from fledgling start-up to established and mature companies, and ensuring that CERN has both a global and a local impact within its member states.

This presentation will cover how CERN maximizes dissemination, illustrated with examples from each of its main technology pillars (Detectors, Accelerators and Computing) and their journey from birth to application in industry, as well as what's in it for industry to work with CERN and the opportunities in particular for ambitious entrepreneurs to start their company on the basis of CERN technology.

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