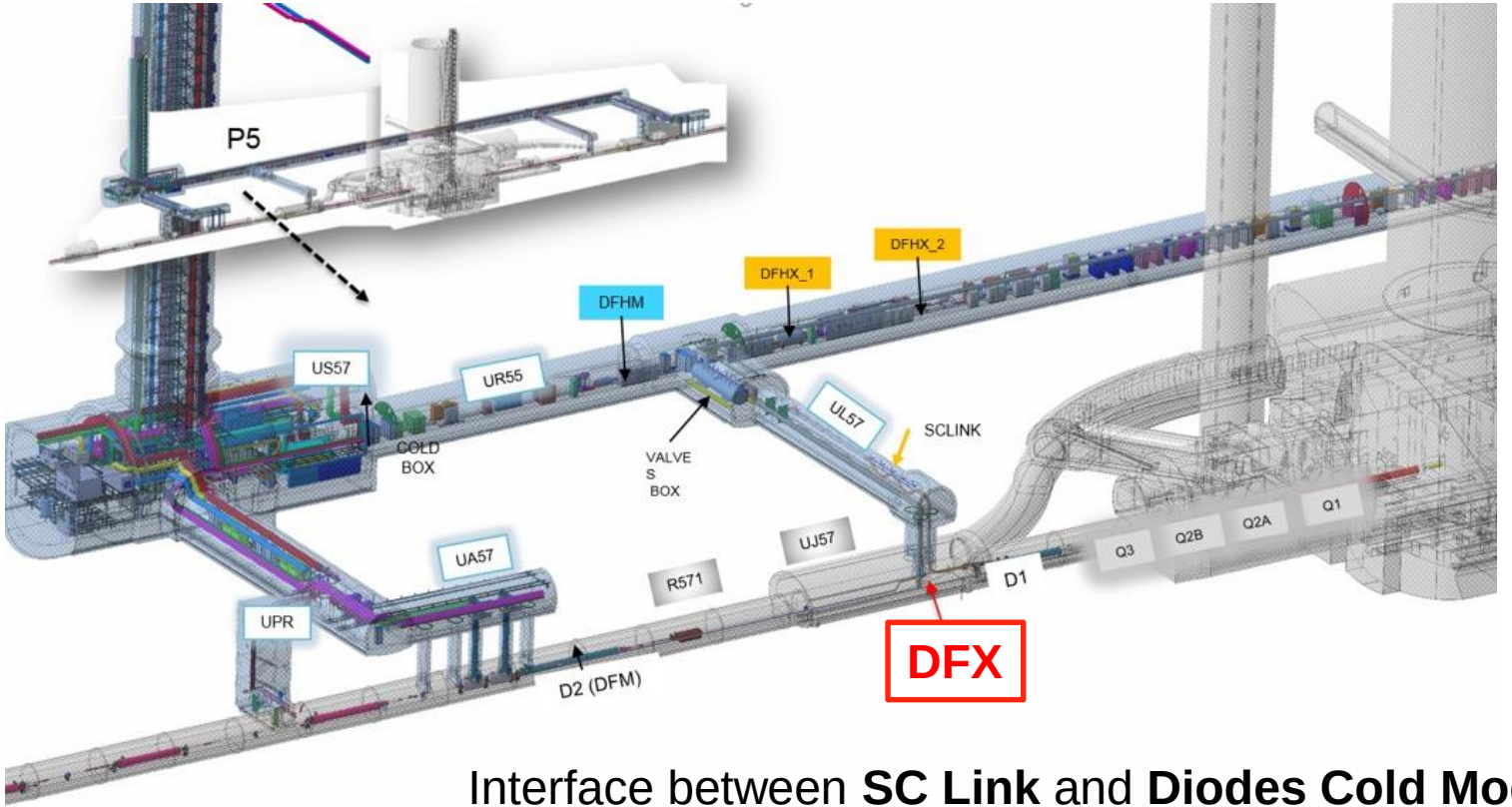
DFX in WP6a, Master Plan

A. Ballarino

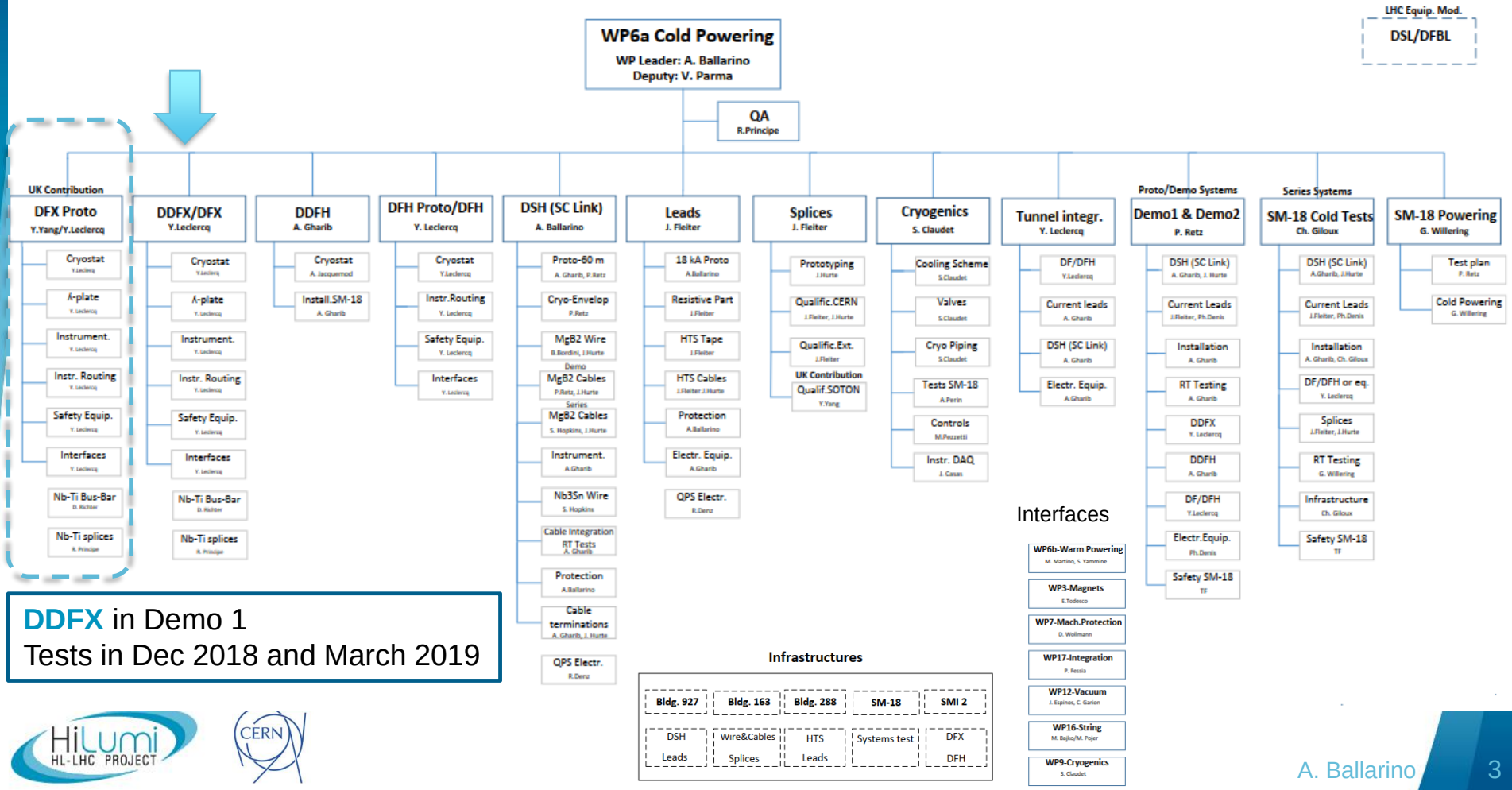
DFX Detailed Design Review, CERN, 20/06/2019

DFX Cryomodule in WP6a



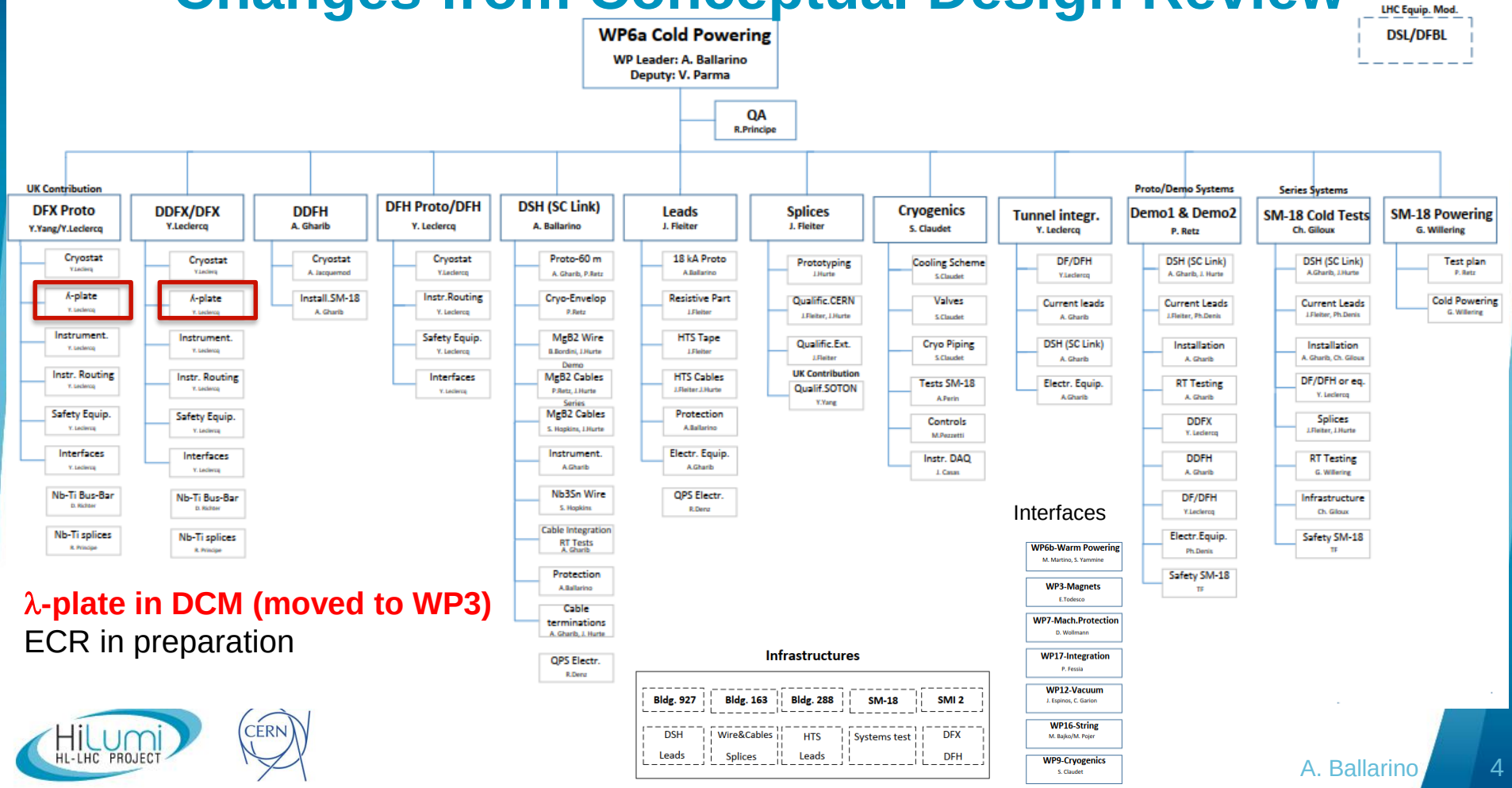
Interface between **SC Link** and **Diodes Cold Module** of the **HL-LHC Inner Triplets**

Organogram WP6a



DDFX in Demo 1
Tests in Dec 2018 and March 2019

Changes from Conceptual Design Review



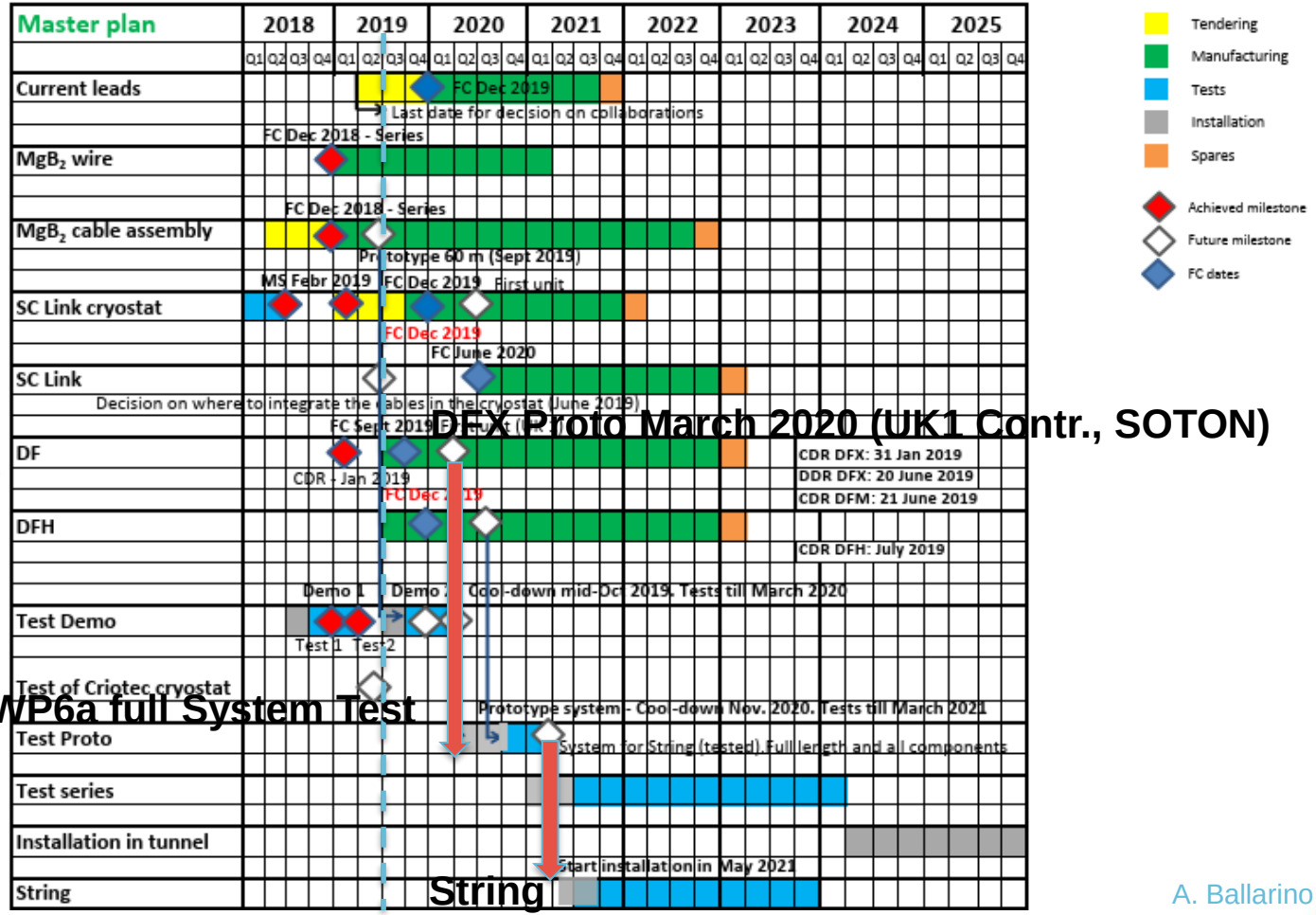
λ-plate in DCM (moved to WP3)

ECR in preparation

Prototype DFX

- Construction of one **DFX prototype**, via **UK1 contribution** to HL-LHC, by **Southampton University** (**SOTON**). Design carried out by SOTON, with regular exchanges with CERN (direct coordination by Y. Yang, SOTON, and since CDR V. Parma, CERN).
- Delivery of prototype to CERN in **March 2020** (UK1 deliverable)
- This DFX prototype is also a **spare unit for HL-LHC**

WP6a Master Plan



DFX Proto March 2020 (UK1 Contr., SOTON)

Proto WP6a full System Test

String

Thanks for your attention !