



Preliminary Design Review - Overview

WBS 121.06.02 – Site Preparation

S. Dixon

Conventional Facilities

29-August-2018

In partnership with:

India/DAE

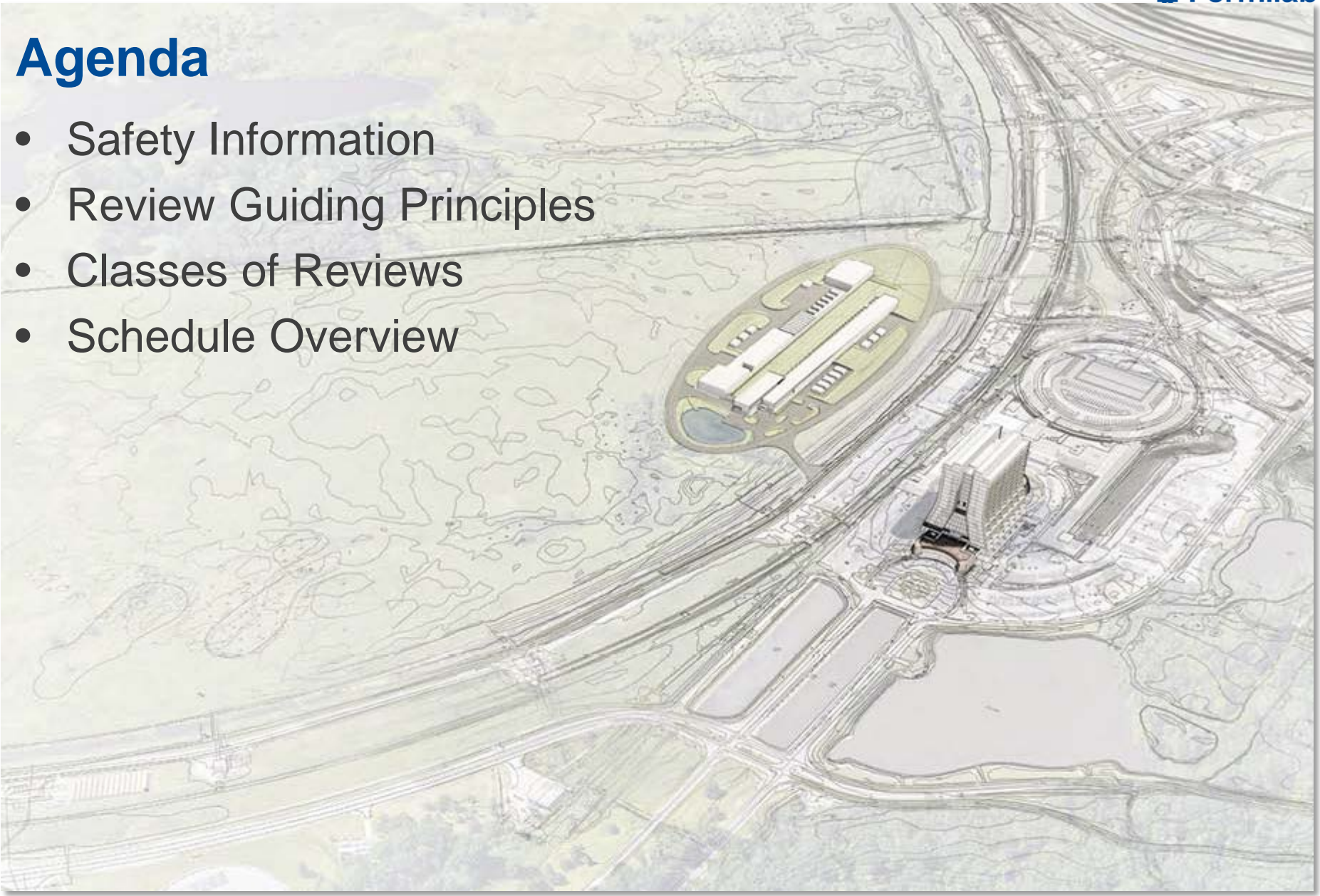
Italy/INFN

UK/STFC

France/CEA/Irfu, CNRS/IN2P3

Agenda

- Safety Information
- Review Guiding Principles
- Classes of Reviews
- Schedule Overview



Review Guiding Principles

- Project design reviews provide an assessment of the ability of the Project to meet its technical, schedule, and budget commitments. The primary goal of the Project design reviews is to increase the likelihood of success by identifying potential or actual design problems as early as possible to minimize the cost, schedule, and performance impact;
- Design reviews are conducted within the framework established by the Fermilab Engineering Manual (FEM);
- Reviews follow the PIP-II Design Review Plan.

From PIP-II Project Design Review Plan

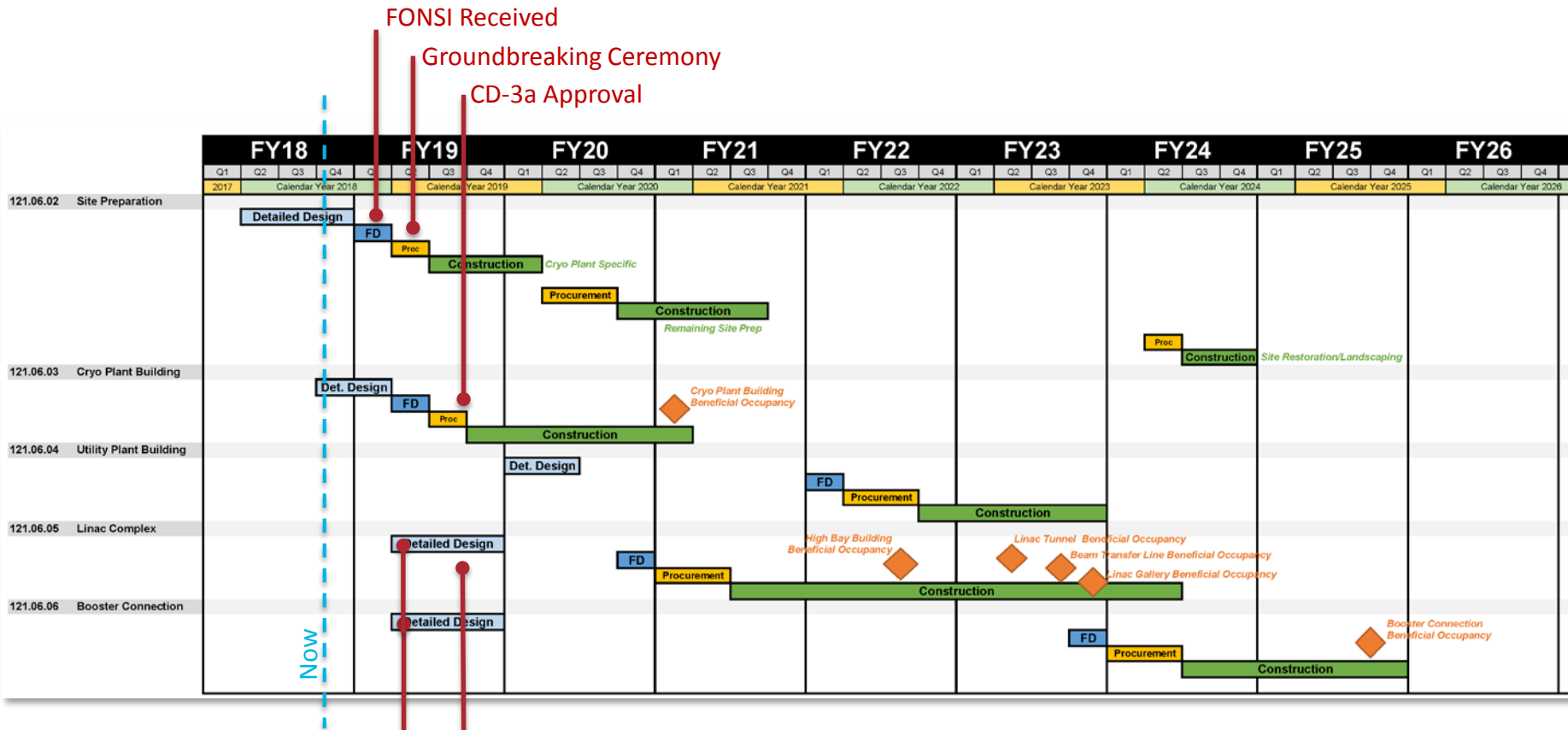
Classes of Reviews

The level of a design review will be commensurate with complexity, cost, or safety importance of the design. The following types of project driven reviews are identified as follows:

- Requirements and Specification Review (RSR)
- Conceptual Design Review (CoDR)
- Preliminary Design Review (PDR) ~60% Complete
- Final Design Review (FDR) ~90% Complete
- Production Readiness Review (PRR) 100% Complete
- Transportation Readiness Review (TRR)
- Installation Readiness Review (IRR)
- Operations Readiness Review (ORR)

From PIP-II Project Design Review Plan

Conventional Facilities Schedule



FY19 plans include a full size Linac Tunnel Mock-up for coordination purposes

Detailed Design Start for Linac Complex and Booster Connection

END