

Crab cavities – what is the plan?

When will CERN assume leadership and issue technical and schedule requirements?

WHEN

CERN Lead

2010

STATEMENT OF NEED & SPECIFICATIONS

CERN-RF Group (subset of HL-LHC Design Study L. Rossi et al.)

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WORK FLOW

CERN Lead
2010

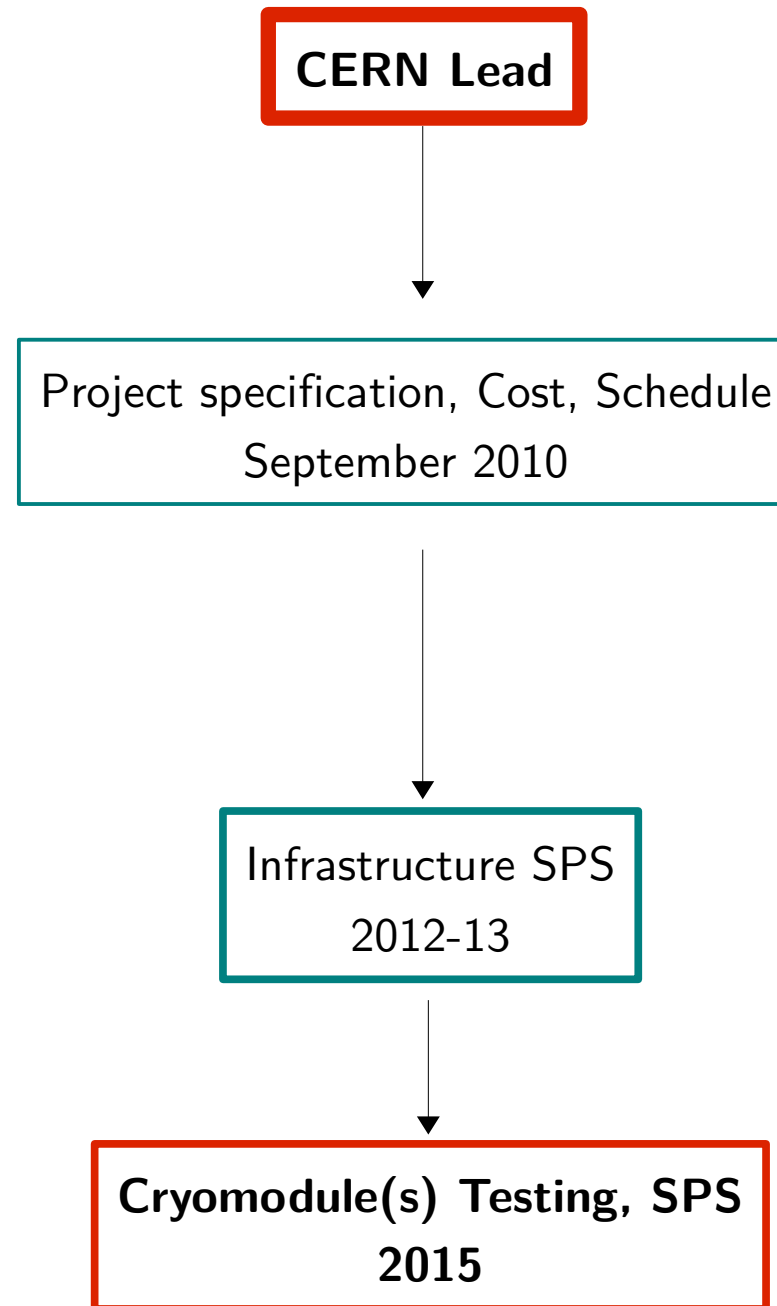
? R&D Project

1-2 Cryomodules Testing SPS – 2015

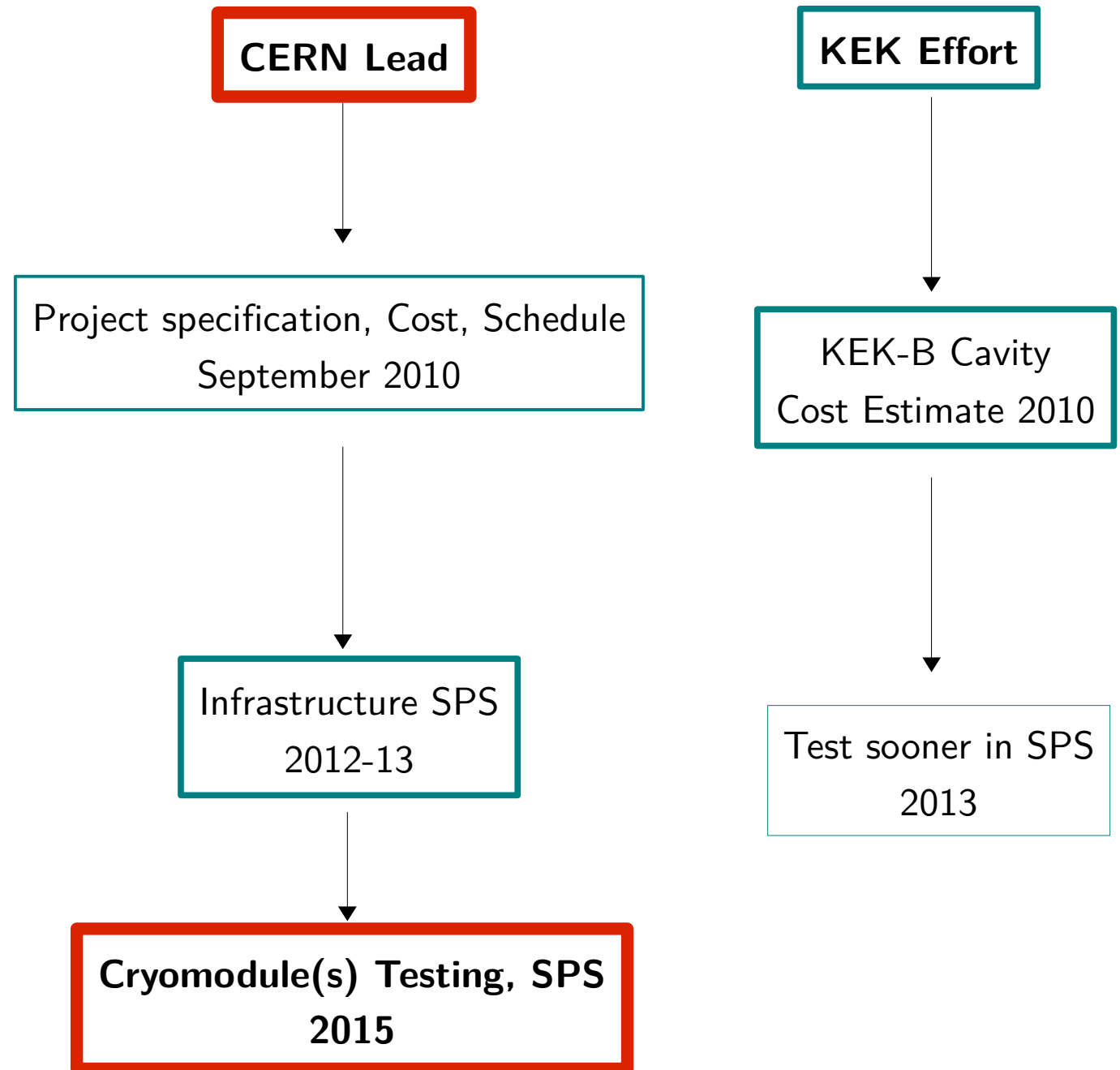
Construction Project

10 Cryomodules in LHC – 2018-20

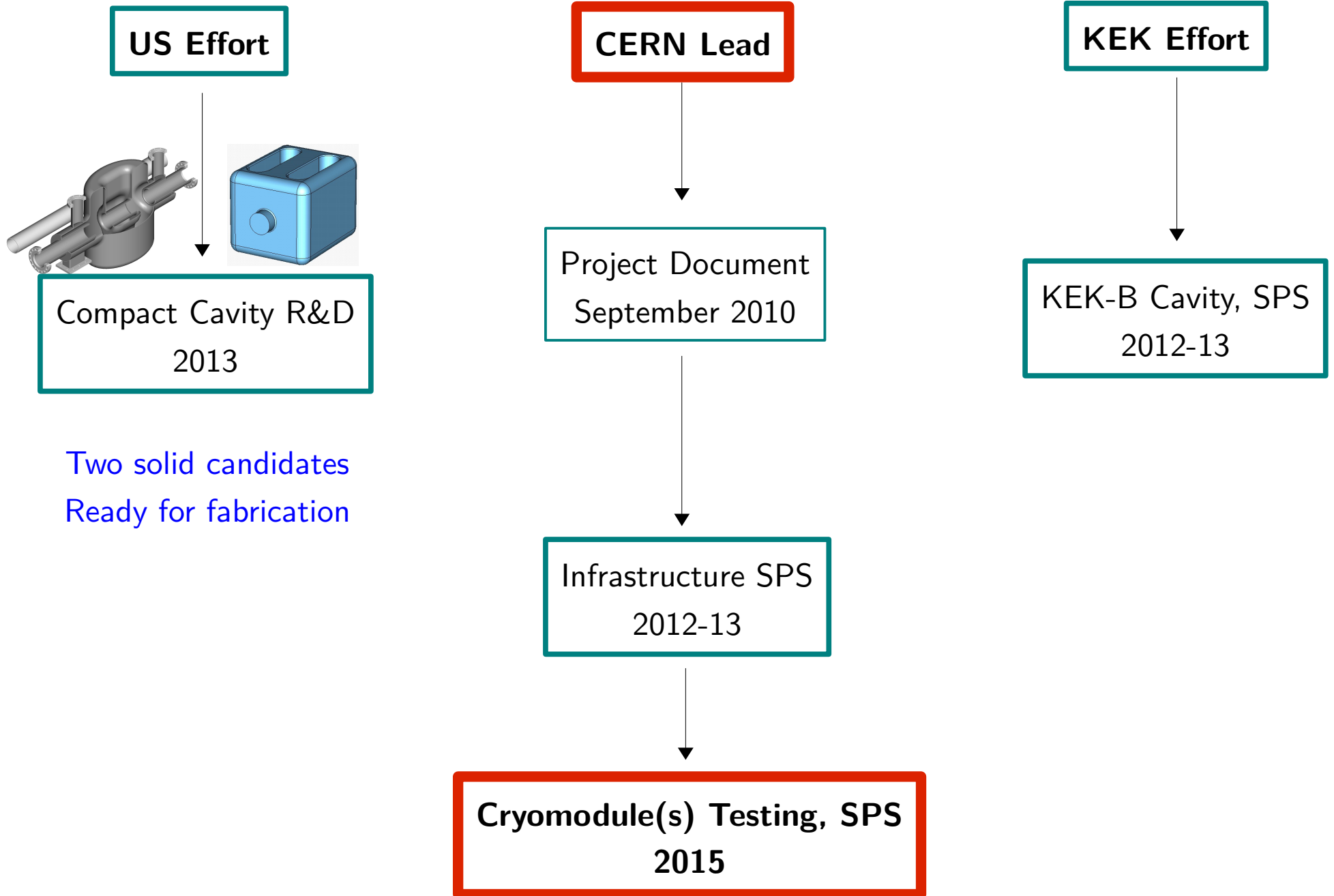
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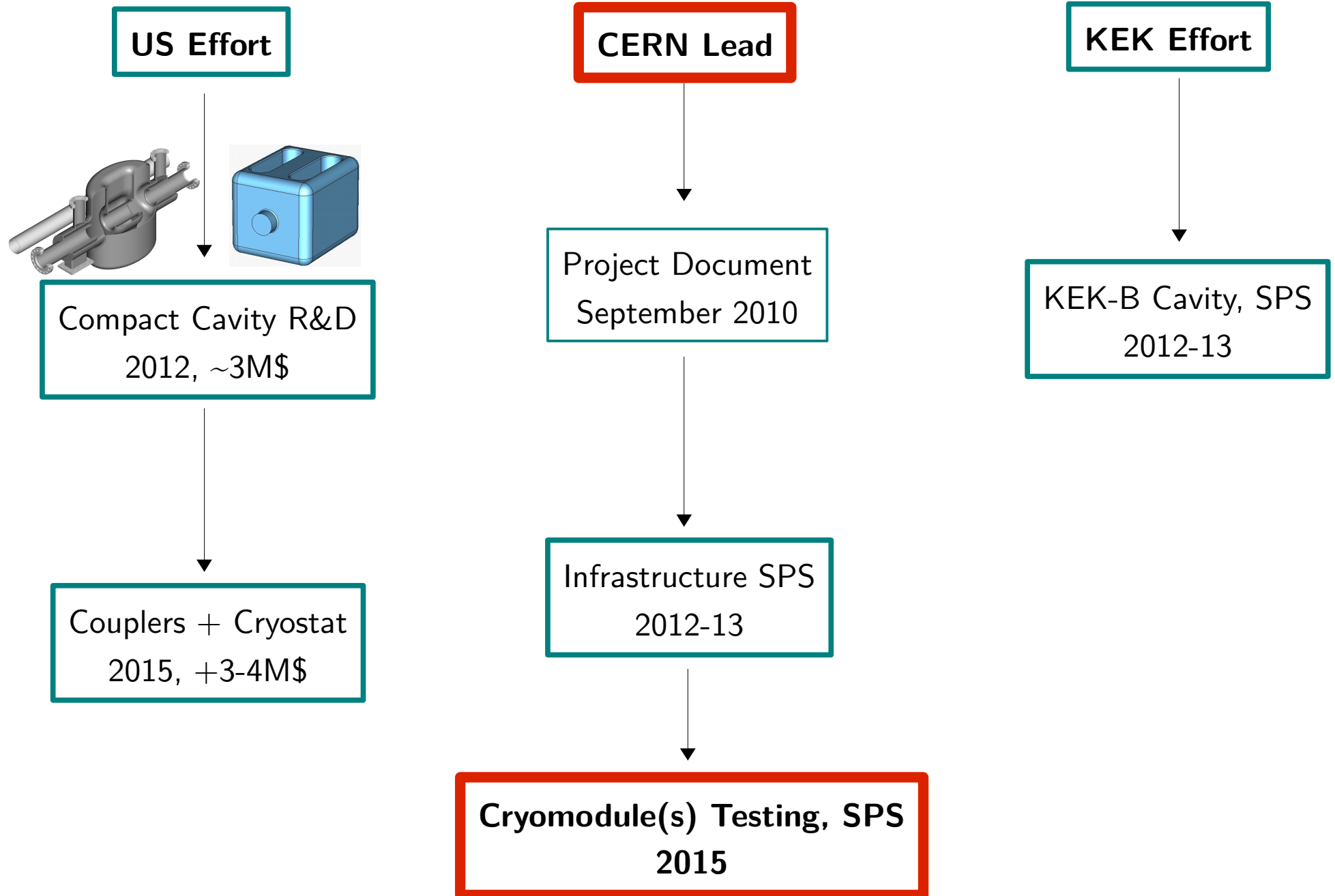
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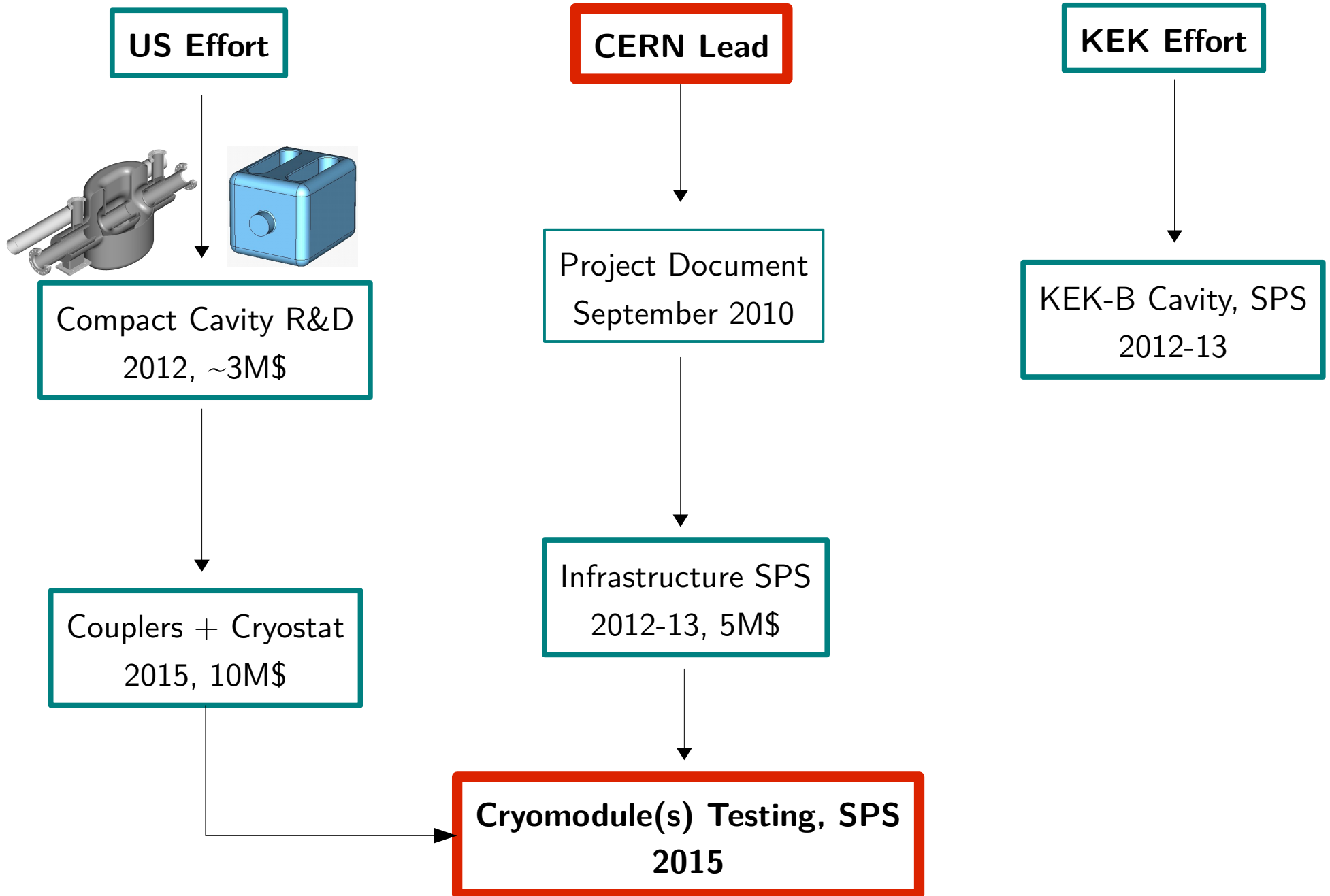
WORK FLOW



WORK FLOW



WORK FLOW



The US CC collaboration has a unique advantage → SRF expertise
(ANL, BNL, FNAL, JLAB, SLAC, LBL)

Advanced design stage of two excellent candidates to be prototyped

Two prototypes within the next 2-3 yrs will enable CERN for technology selection
(existing infrastructure and synergies with other projects is obvious)

TS will launch production prototype (2015) & production of 10 CM (2018-20)