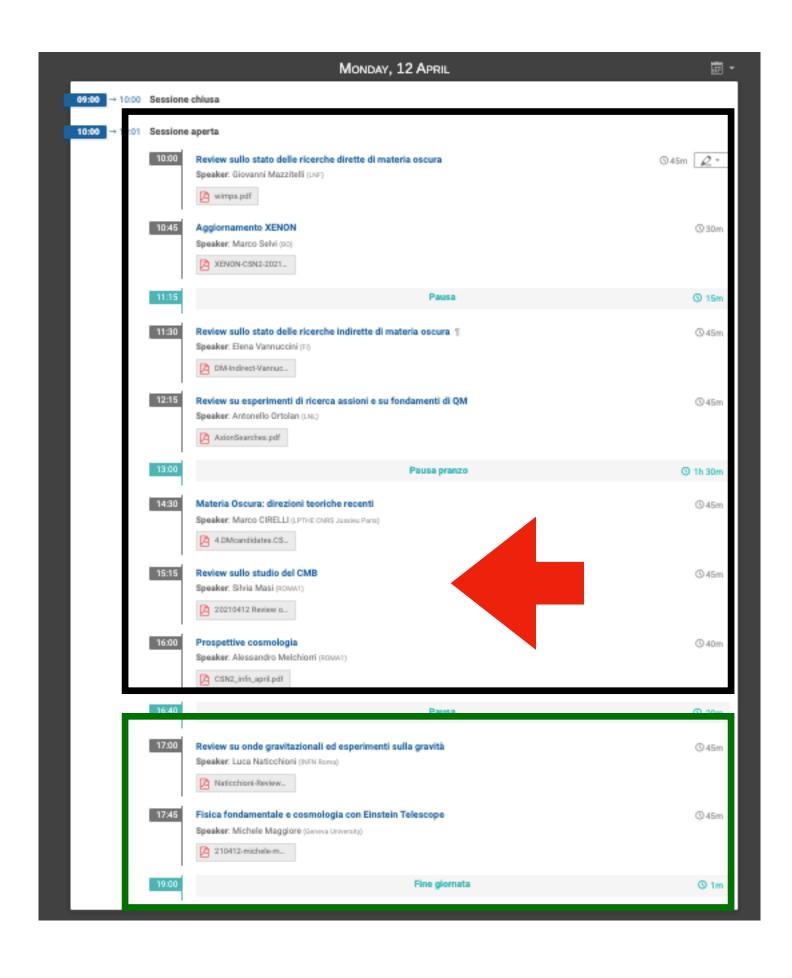
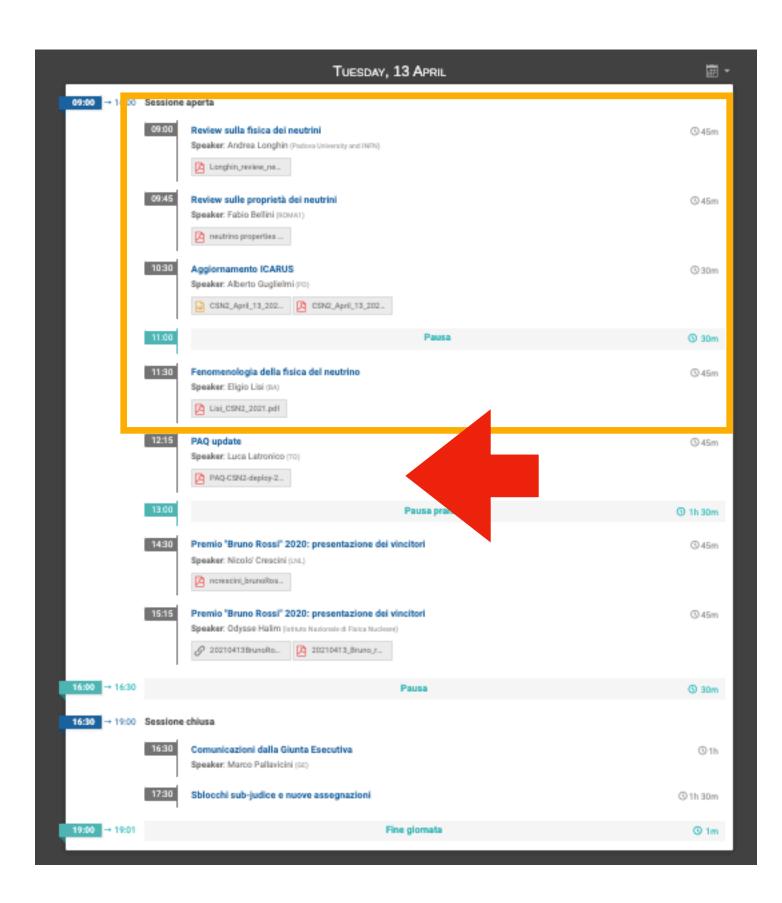
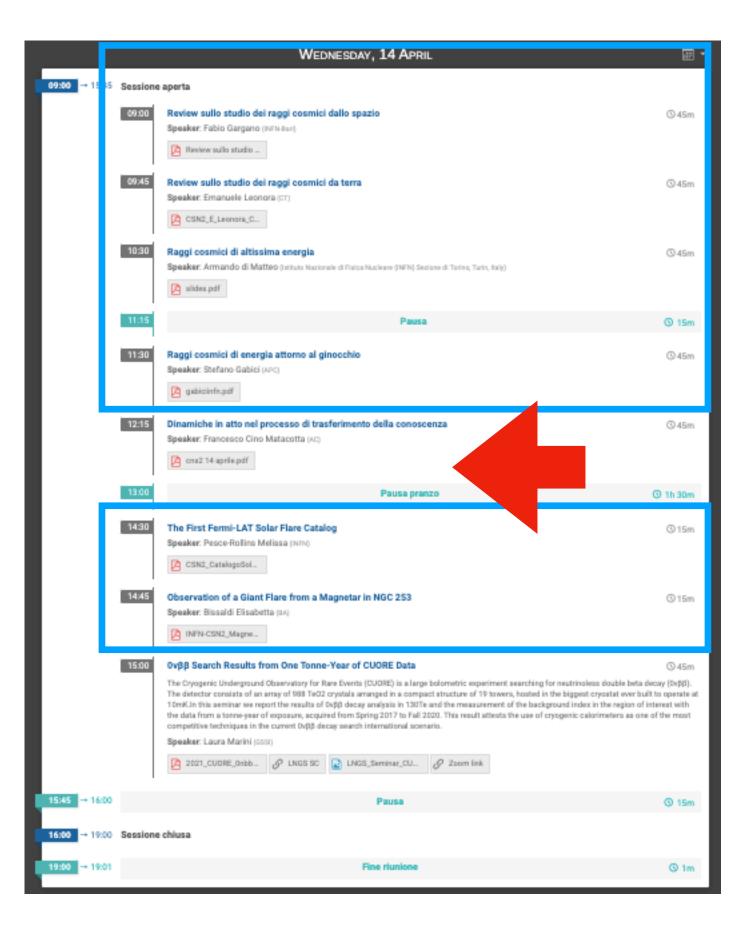
CSN2 LNF

- situazione finanziaria
- km3
- review
- TT
- PAQ
- workshop BB LNGS

Review dei 4 pillars della CSN2





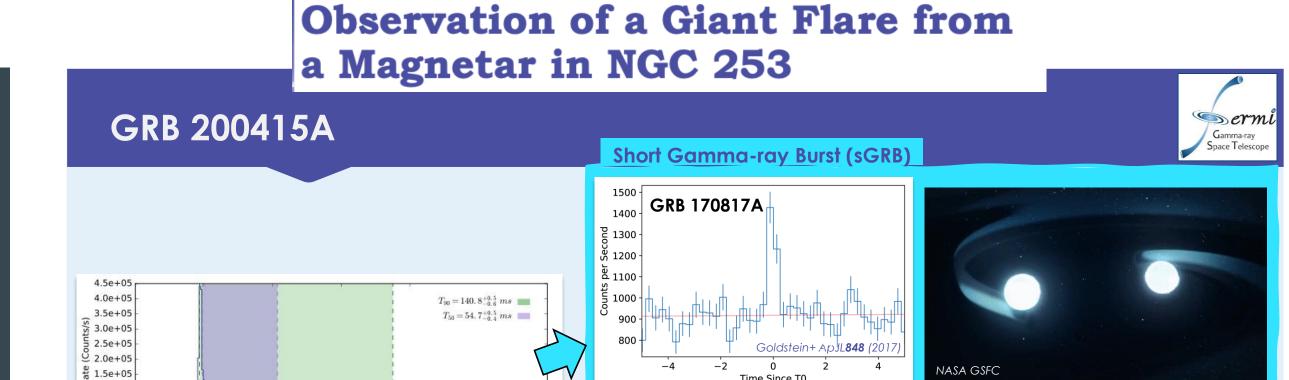


highlight (personale impressione)

CUORE

Summary

- CUORE has now exceeded 1 tonne year of exposure and continues to stably collect data
- We observe no evidence of $0\nu\beta\beta$ decay of 130 Te with an analysis of 1038.4 kg yr of data
 - Bayesian 90% CI exclusion limit: $T_{1/2} > 2.2 \times 10^{25} \text{ yr}$
 - Frequentist 90% CI exclusion limit: $T_{1/2} > 2.6 \times 10^{25} \text{ yr}$
 - Effective Majorana mass limit: m_{88} < (90-305) meV
- This is the highest sensitivity search for 0νββ decay of 130 Te to date
 - Median 90% exclusion sensitivity: $T_{1/2} > 2.8 \times 10^{25} \text{ yr}$
- Look forward to other analyses from this data in the future!



Magnetar Giant Flare

SGR 1806-20

Fermi Highlights 2020:



Link to the **LAT paper**: http://doi.org/10.1038/s41550-020-01287-8

2000

1000

Roberts+ Nature 589 (2021)

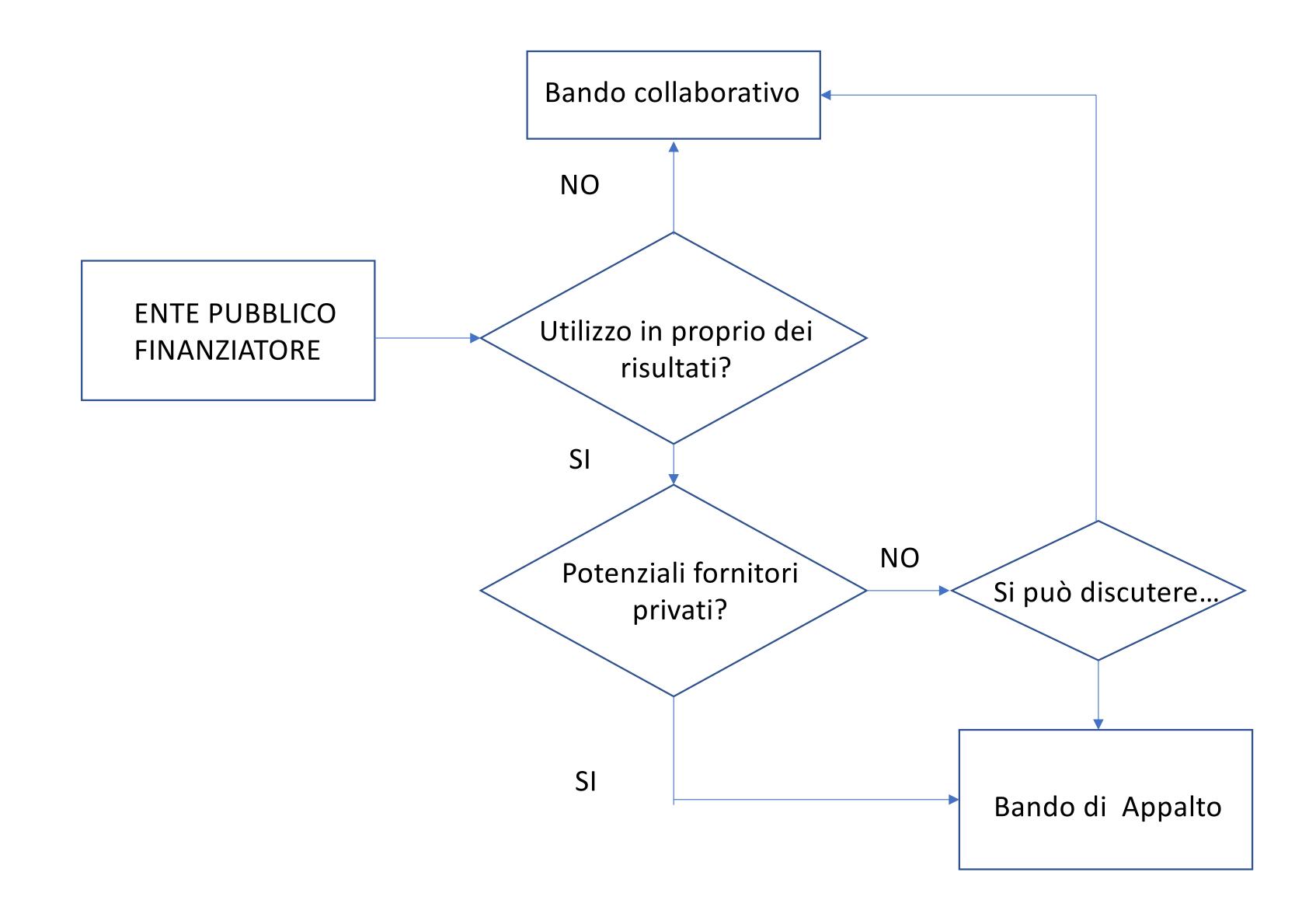
Link to **Populations paper**: https://iopscience.iop.org/ar@cle/10.3847/2041-8213/abd8c8

Link to the **NASA press release** (with video):

https://www.nasa.gov/feature/goddard/2021/nasa-missions-unmask-magnetar-erup@ons-in-nearby-galaxies

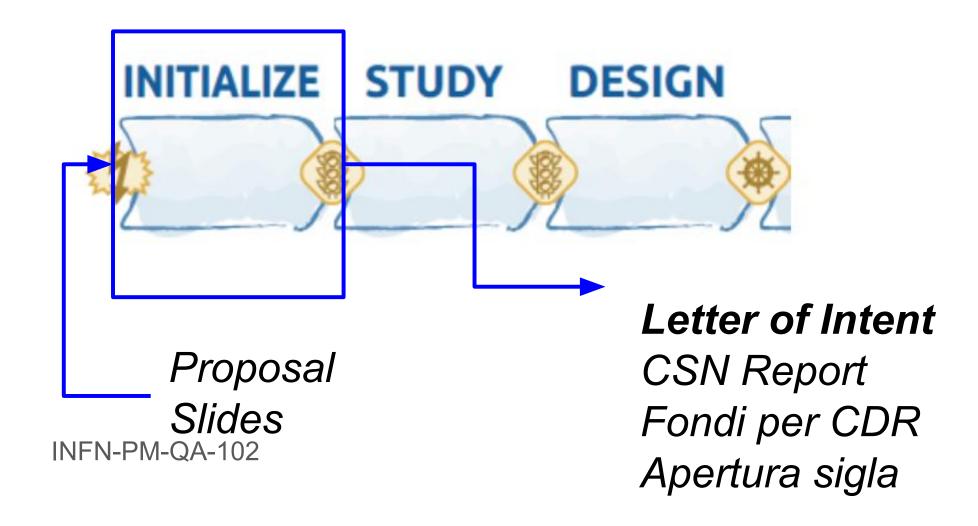
0vββ Search Results from One Tonne-Year of CUORE Data 48

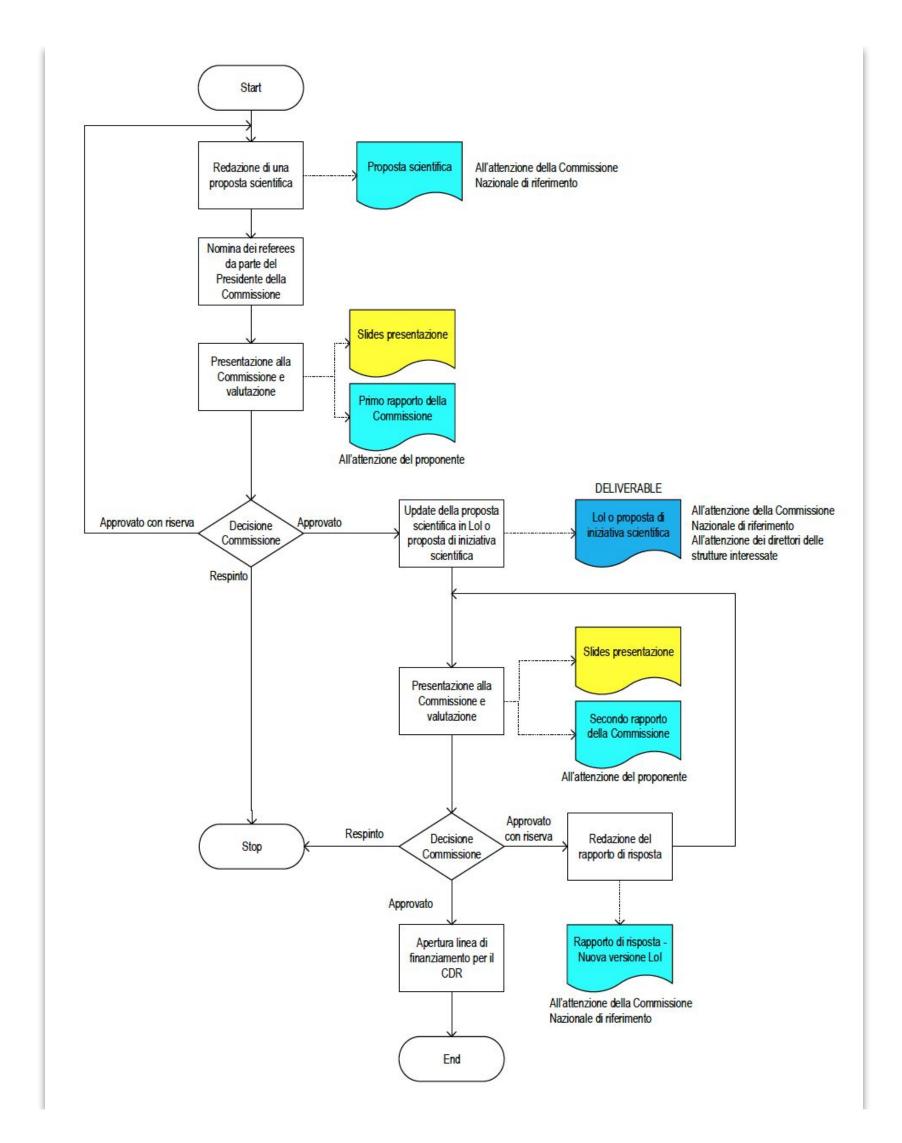




Progetto CSN - Lol

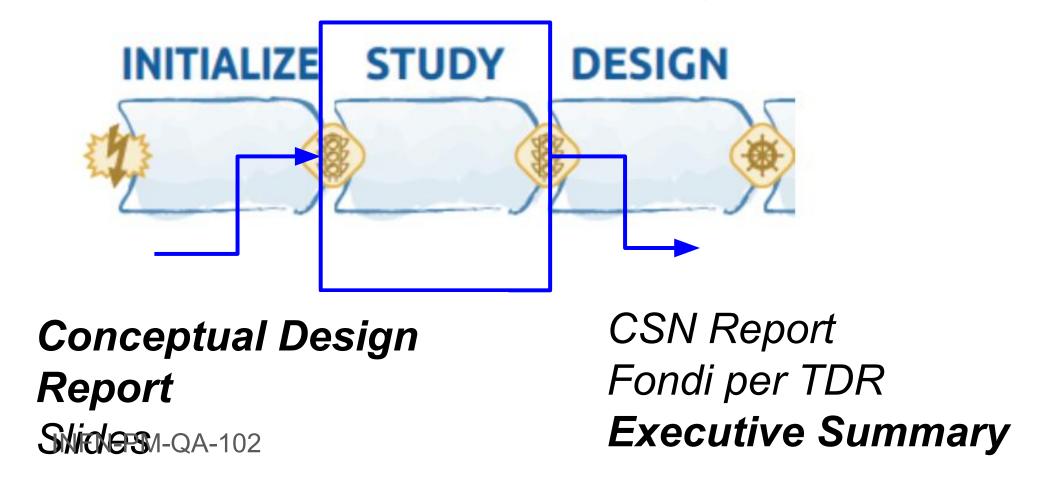
- Prima proposta interna CSN
- Finanzia fase di studio

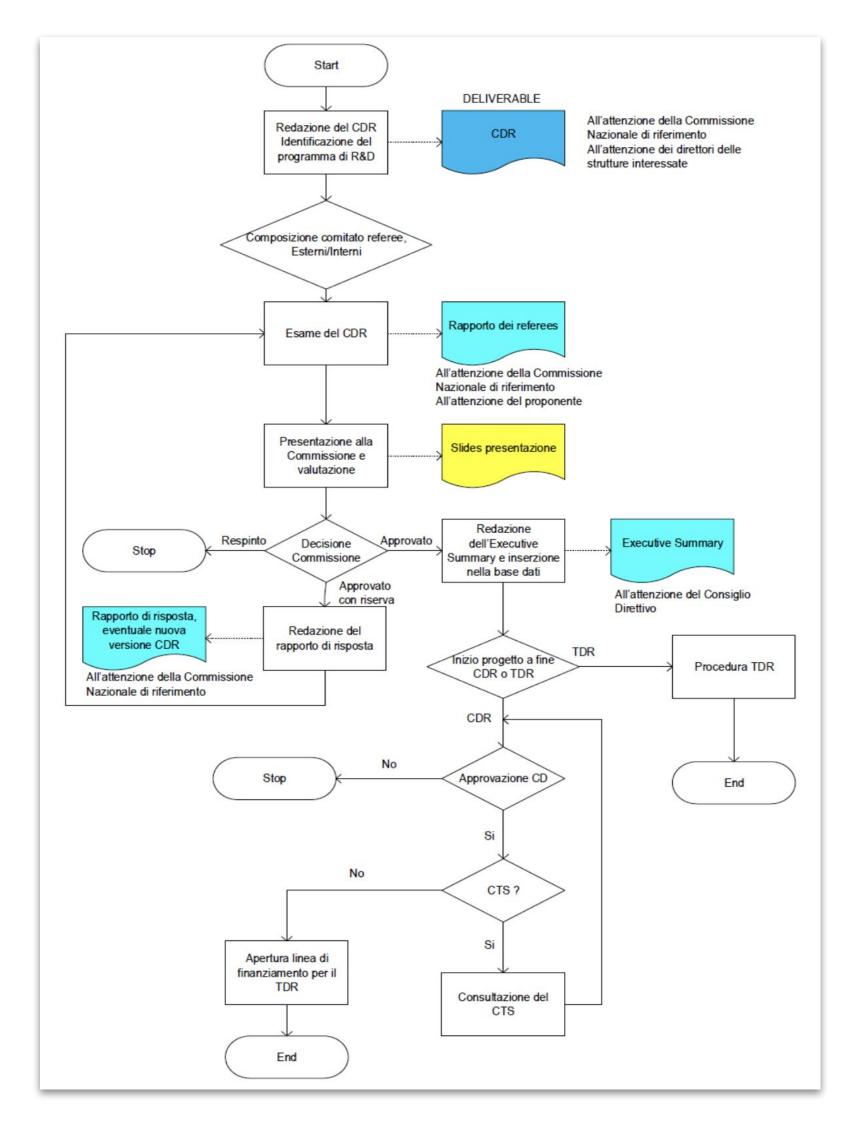




Progetto CSN - CDR

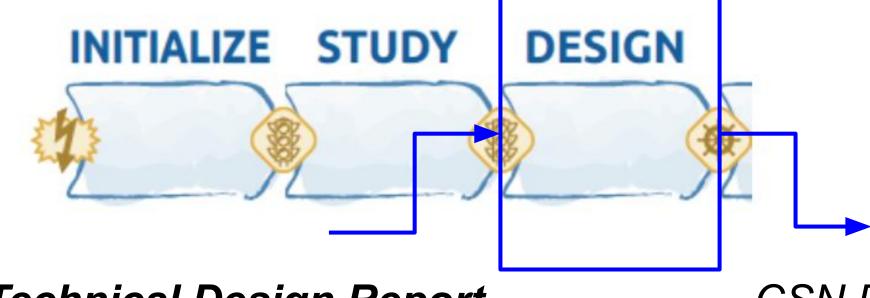
- Finanzia fase di design e quindi studio di fattibilità → progetto approvato
- Approvazione formale CD / CTS sulla base di executive summary





Progetto CSN - TDR

- Approvazione finale formale CD / CTS sulla base di executive summary
- Fornisce i risultati degli R&D necessari per dimostrare la fattibilità
- Finanzia esecuzione progetto

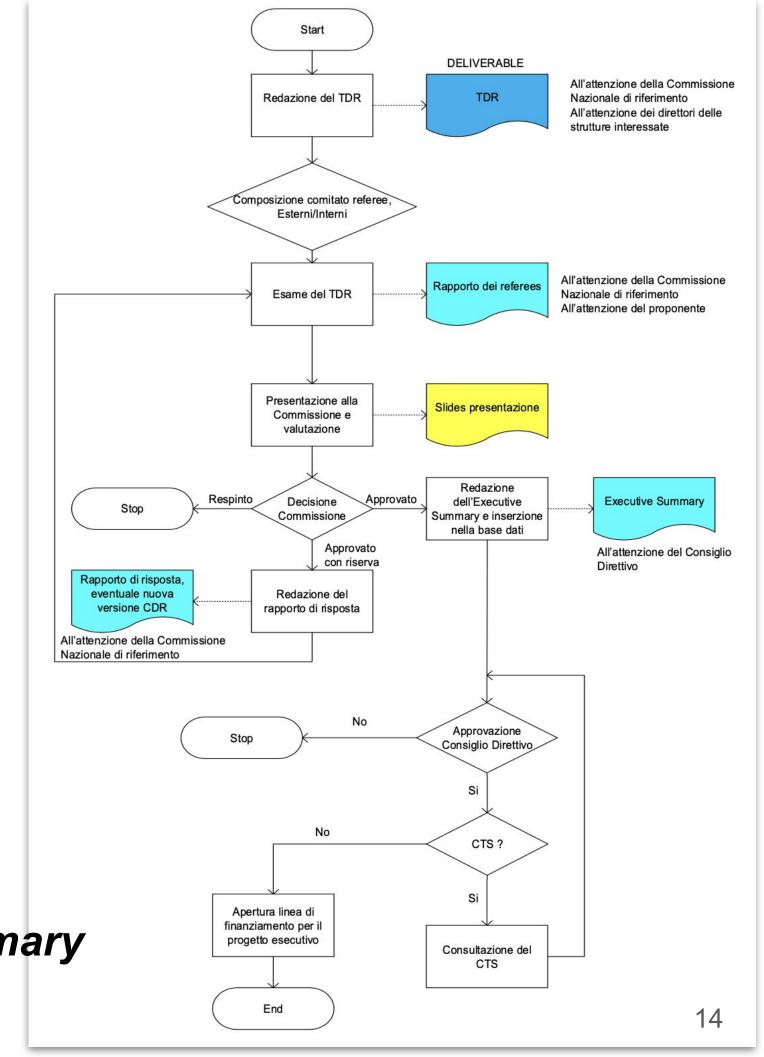


Technical Design Report Project Management Plan

Slides INFN-PM-QA-102 CSN Report

Executive Summary

Avvio progetto



Documenti di gestione - templates da adottare in CSN2

