

# NOAA's Climate Data Records – 10 Years of Innovation

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**2009** NOAA's Climate Data Record (CDR) Program was established at the National Centers for Environmental Information (NCEI) in order to develop and implement a sustainable, transparent, and scientifically defensible approach to producing and preserving authoritative climate data records.

**2016** NCEI's Center for Weather and Climate (CWC) began to propagate CDR Program best practices across its entire inventory of in-situ, radar, balloon, and satellite projects.

**2017** CWC characterized its suite of over 200 products and services into 15 portfolios, a.k.a. Product Areas (PAs), which are overseen by Product Area Leads (PALs). PALs are science

subject matter experts within their PAs whose knowledge and understanding of user needs and organizational strategic vision is essential to a PA's evolution; which is captured in a Product Area Management Plan.



**2019** NCEI recognizes the value of the CDR Program's legacy and continues to implement many of its best practices in portfolio, program, and project management into the Science Centers' annual planning cycle and strives to introduce further opportunities for process improvement across NCEI.

50 CDRs

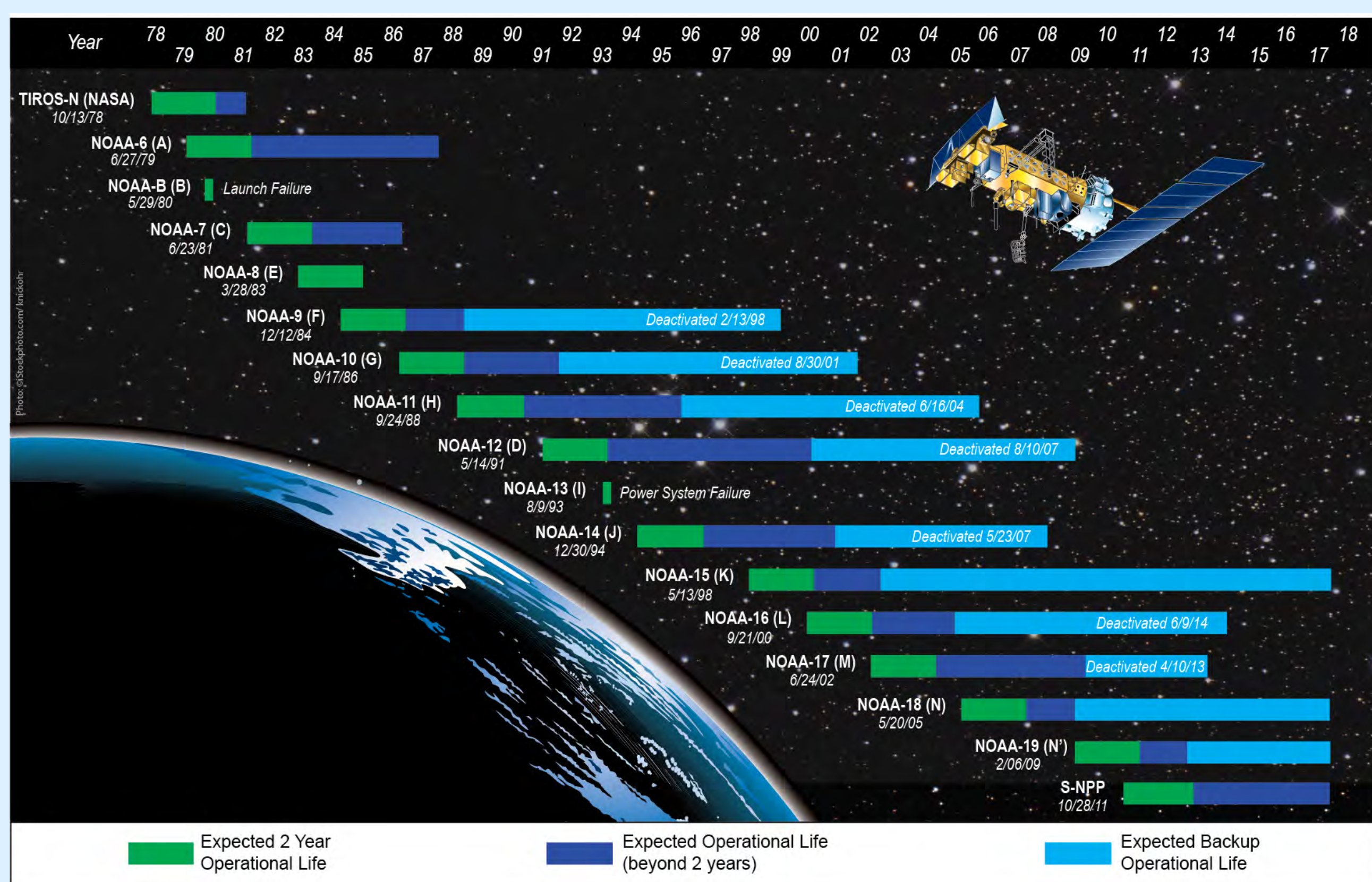
Tailor Processes

200 CWC Products / Services

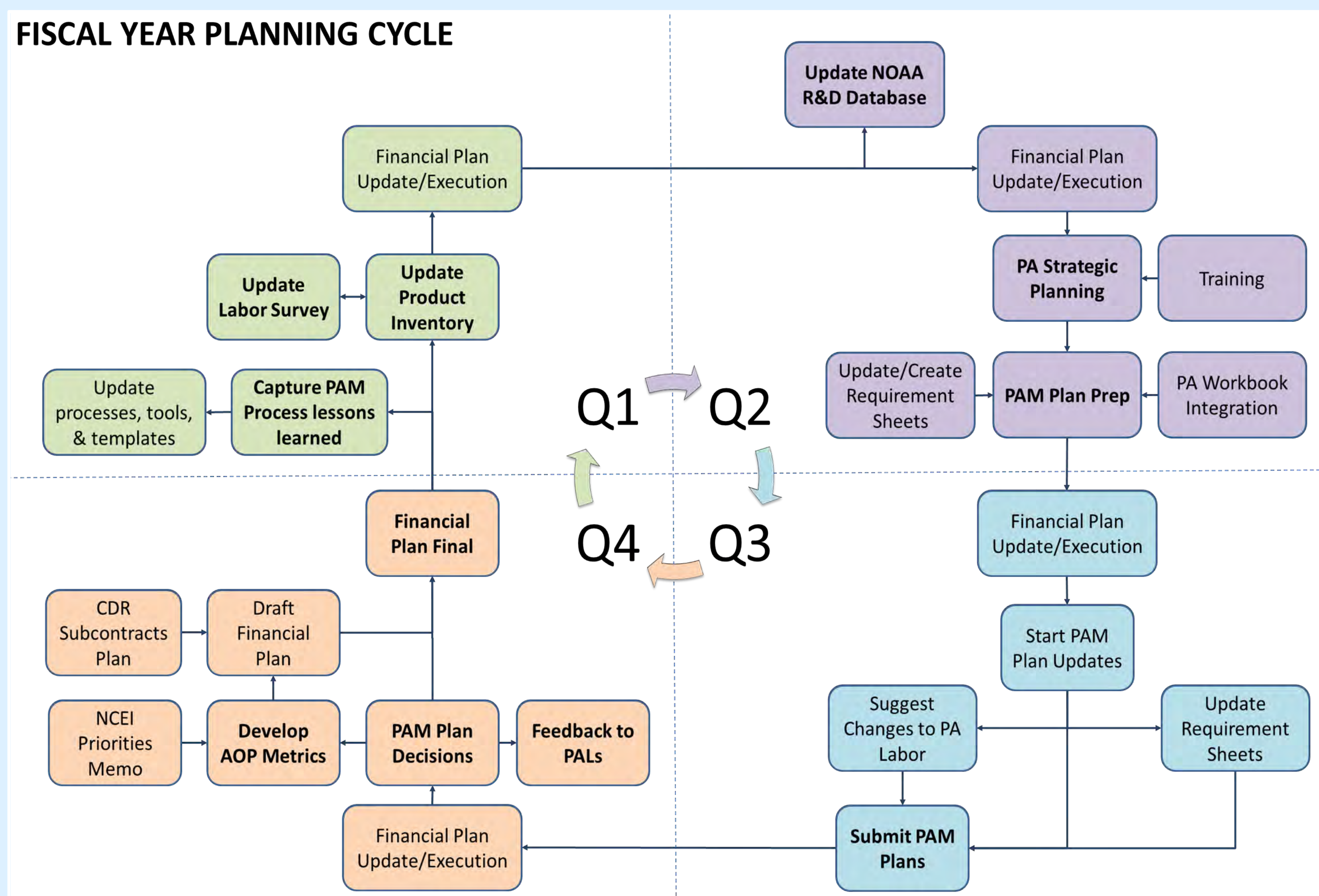
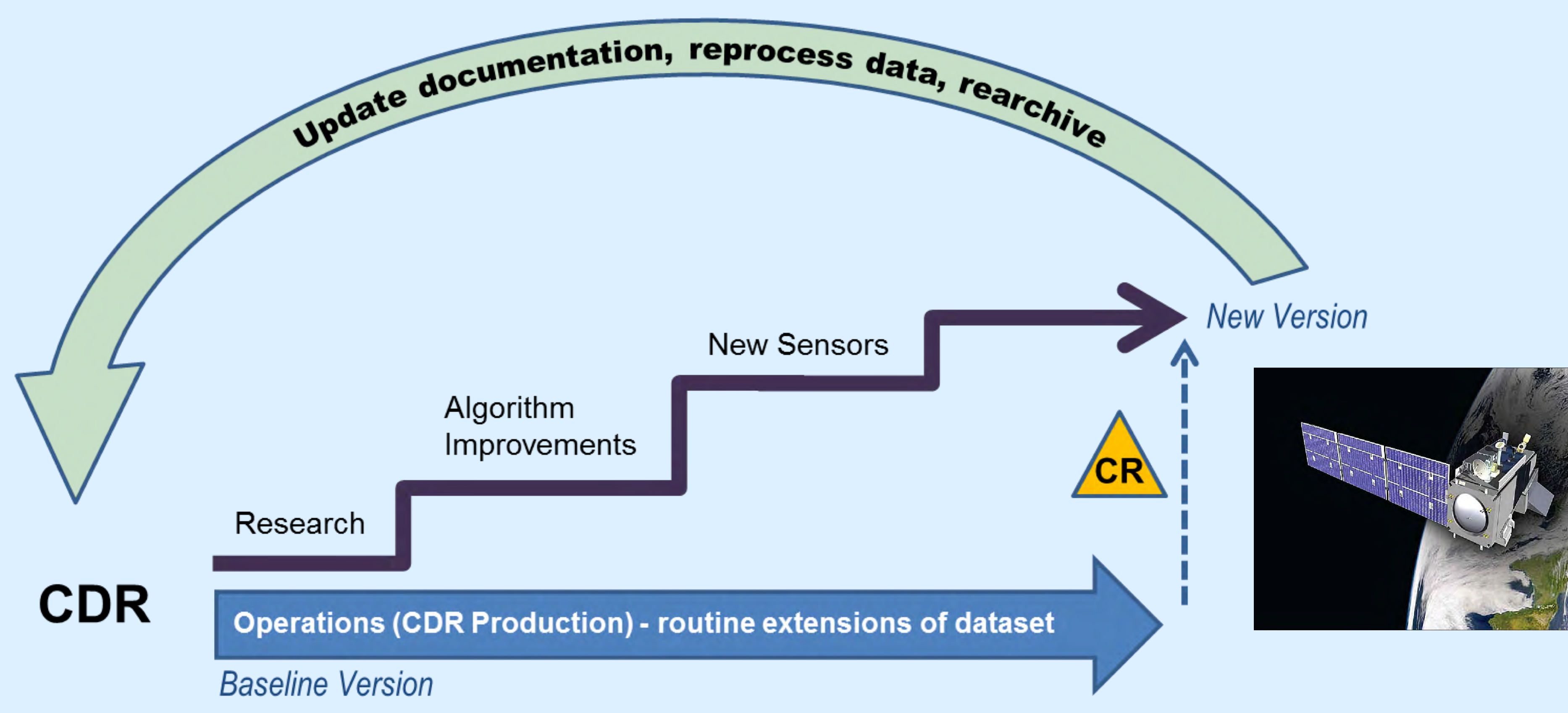
Best Practices

Hundreds of NCEI Products / Services

**Climate Data Record:** A time series of measurements of sufficient length, consistency, and continuity to determine climate variability and change (National Research Council, 2004)



**2010–2013** CDR Program developed and refined procedures for operational readiness reviews, configuration management, life-cycle management, document maintenance, program management, integrated product teams, and cost modeling.



**2014** NOAA's CDR Program received the DOC Gold Medal Award for Innovation.

**2015** During the NCEI reorganization, the CDR Program ended and the responsibility for the ongoing development and sustainment of CDRs moved to NCEI's two Science Centers: the Center for Weather and Climate (CWC) and the Center for Coasts, Oceans, and Geophysics (CCOG).

