

NEON Assignable Assets Program – Putting NEON Assets to Use for the Research Community



neon
Operated by Battelle

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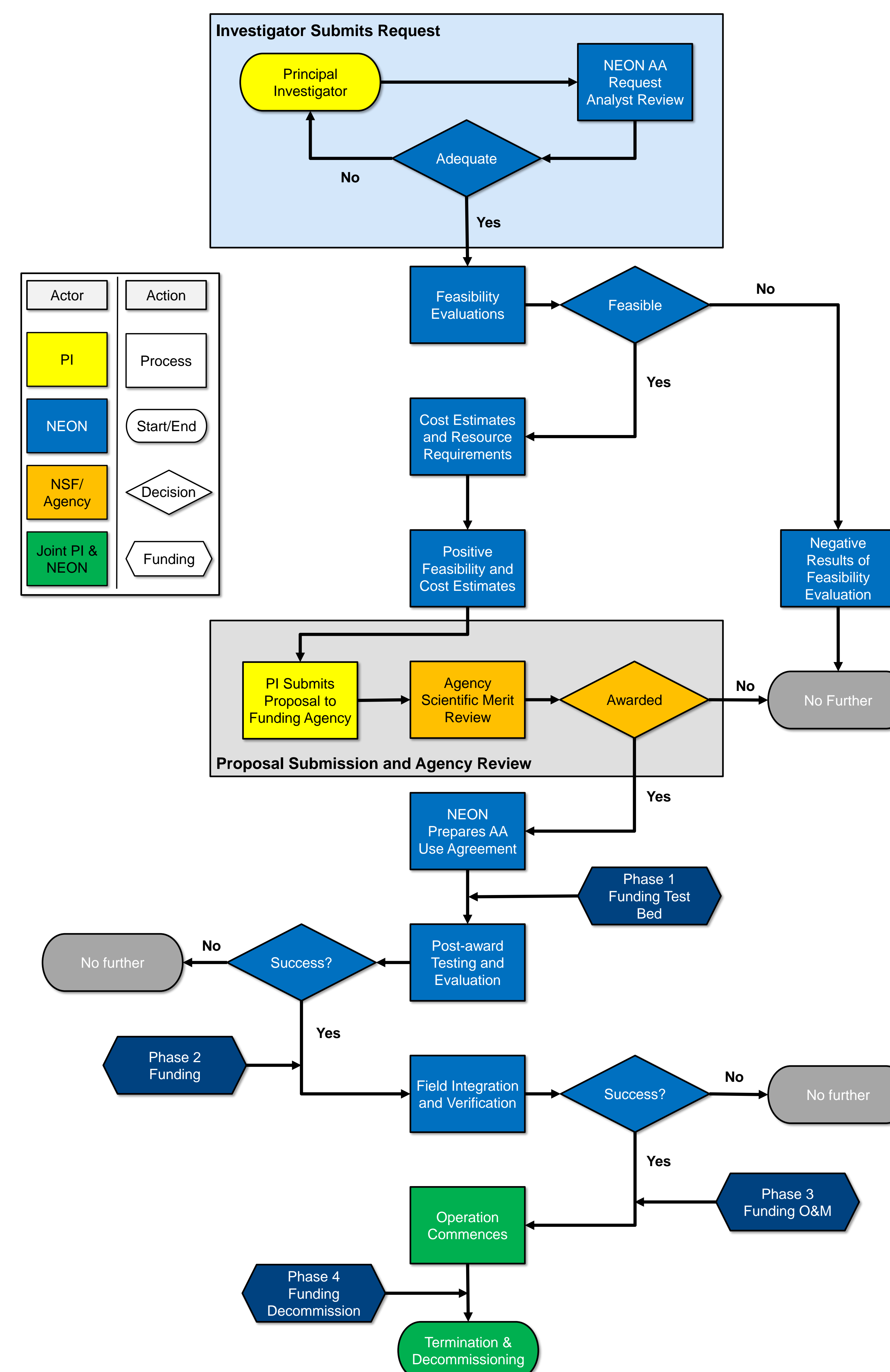
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A Brief NEON Overview

- 30 years of observations
- 47 terrestrial and 34 aquatic observing sites across the U.S. (including Alaska, Hawaii & Puerto Rico)
- Open source data will be readily available to scientists, educators, students, decision makers and the general public
- **The NEON design contains PI & agency requestable assets to facilitate ecological research via the NEON Assignable Assets Program.**



Request and Evaluation Process



Access to NEON Infrastructure Includes

Mobile Deployment Platforms (MDPs):

These self-contained mobile sensor arrays can be set up to collect meteorological, soil and surface water data for short- to medium-term monitoring projects. MDPs are designed for rapid deployment to be able to capture stochastic ecological events (e.g. fires, flood events, pest outbreaks) across the landscape.

Airborne Observation Platform (AOP) Surveys:

AOPs are light aircrafts outfitted with a high-fidelity hyperspectral imaging spectrometer, discrete and waveform LiDAR, and a high-resolution digital camera to collect remote sensing data. Researchers can request to fly non-NEON sites or to fly NEON sites at times of year when NEON does not collect AOP data.

Access to Sensor Infrastructure (SI) at Field Sites:

Investigators may request to add sensors to existing NEON field site infrastructure to collect their own data. Terrestrial field site infrastructure includes meteorological/flux towers and soil arrays. Aquatic site infrastructure includes in-situ aquatic sensor stations, groundwater wells, and meteorological stations in the riparian area of the site

Access to Observational Sampling Infrastructure (OSI) at Field sites:

Researchers may request access to sampling locations or field technician support for PI-led projects at NEON sites, and access to biological samples collected at field sites before they are archived in the NEON Biorepository.