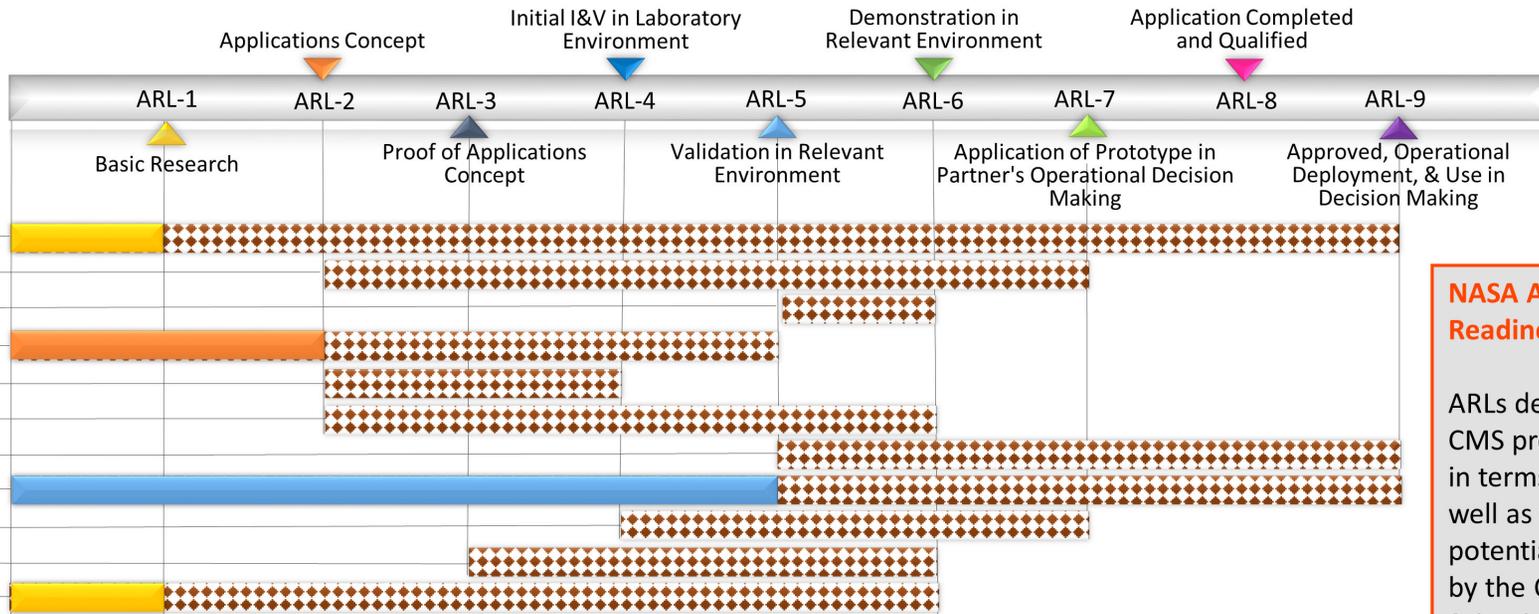


SY 2014 Projects



ARLs

- Fatoyinbo-01
- Ott-01
- Walker-W-01
- Williams-C-01

Different ARLs are provided for the products in these projects. Refer to individual corresponding charts describing the product ARLs.

NASA Application Readiness Levels (ARLs)

ARLs describe where the CMS product is currently in terms of readiness, as well as the desired and potential level as defined by the CMS Product Scientist.

The ARLs were provided by the CMS Product Scientist and represent the most accurate representation of the state of each product.

Products can start at any level. It is not expected they will start at ARL1 and end at ARL9.

PROJECT TITLE

PI-Project # (Andrews-02)-Each CMS Project is represented by its color and identified by the PI on the project



Solid color: each solid bar is indicative of where the PI feels their project is NOW in terms of application readiness.



Dashed line: indicates the level each PI is striving for and the application readiness level they feel their project can ultimately satisfy.

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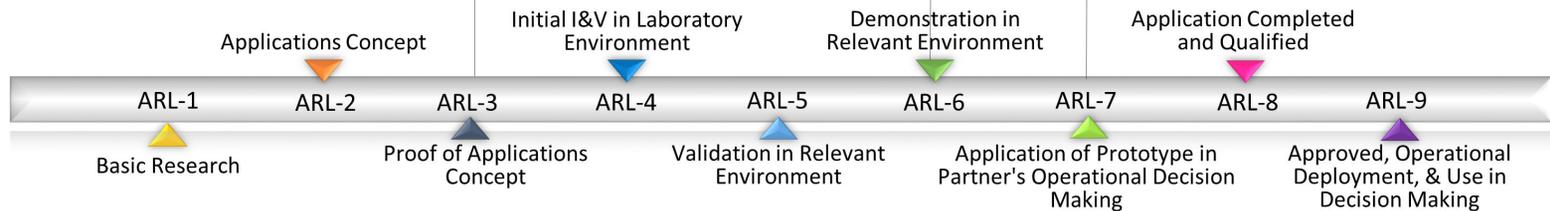
Fatoyinbo-01 Products

Mangrove forest biomass estimates

Mangrove forest extent maps

Mangrove forest cover change maps

SY 2014



ARLs

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Ott-01 Products

Maps of observationally constrained ocean-atmosphere fluxes and associated uncertainties

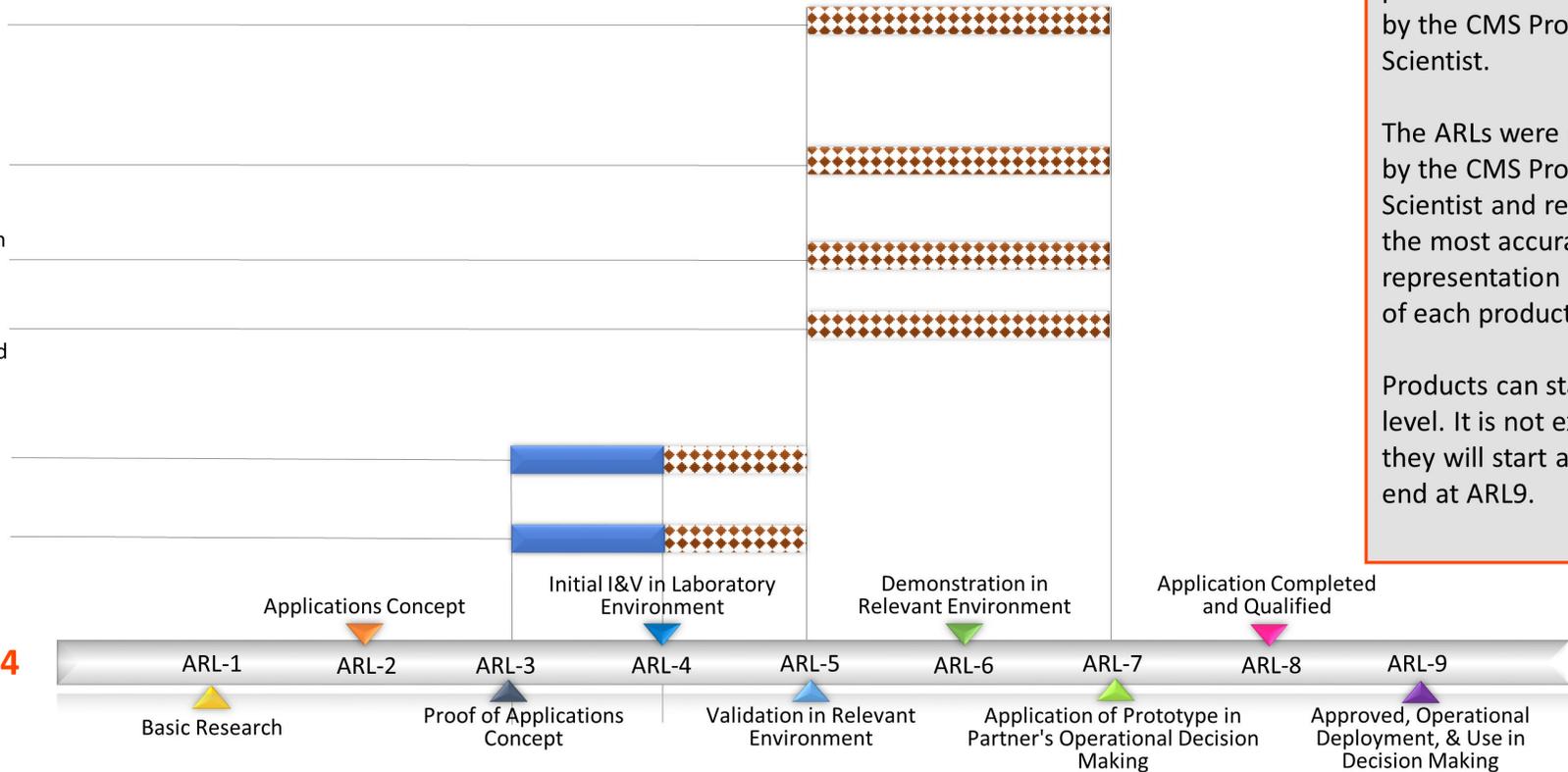
Maps of observationally constrained atmosphere-land biosphere fluxes and associated uncertainties

Estimates of uncertainty in fossil fuel emissions

Estimates of atmospheric CO and CO2 including uncertainty due to flux and transport errors

High-resolution global atmospheric CO and CO2 concentration reanalysis

High-resolution global atmospheric CO and CO2 concentration reanalysis



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Walker-W-01 Products

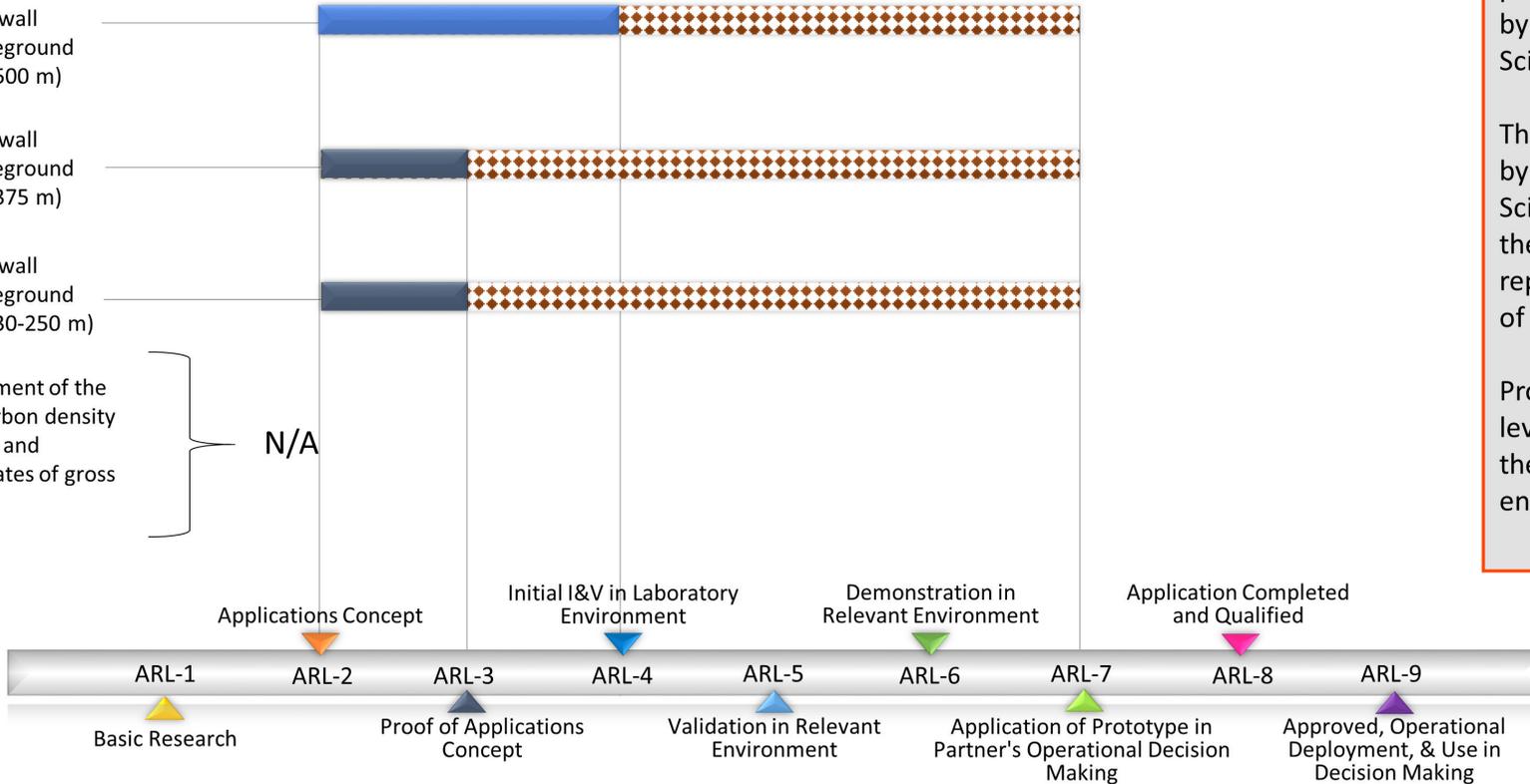
Maps of wall-to-wall changes in aboveground carbon density (500 m)

Maps of wall-to-wall changes in aboveground carbon density (375 m)

Maps of wall-to-wall changes in aboveground carbon density (30-250 m)

Accuracy assessment of the aboveground carbon density change products and derivative estimates of gross emissions

N/A



SY 2014

ARLs

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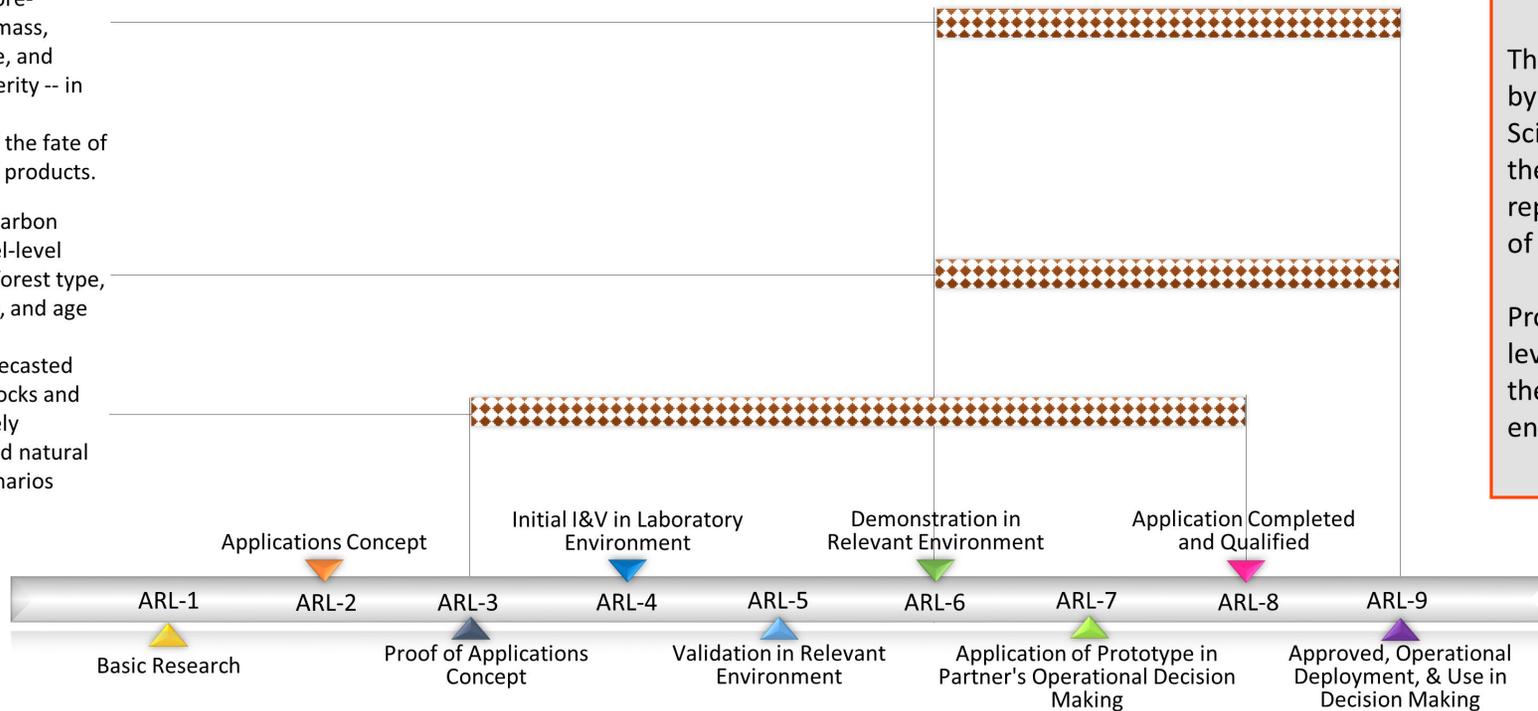
Williams-C-01 Products

Maps of forest carbon fluxes, with pixel-level information on pre-disturbance biomass, disturbance type, and disturbance severity -- in addition to the incorporation of the fate of harvested wood products.

Maps of forest carbon stocks, with pixel-level information on forest type, site productivity, and age

Estimates of forecasted forest carbon stocks and fluxes under likely management and natural disturbance scenarios

SY 2014



ARLs