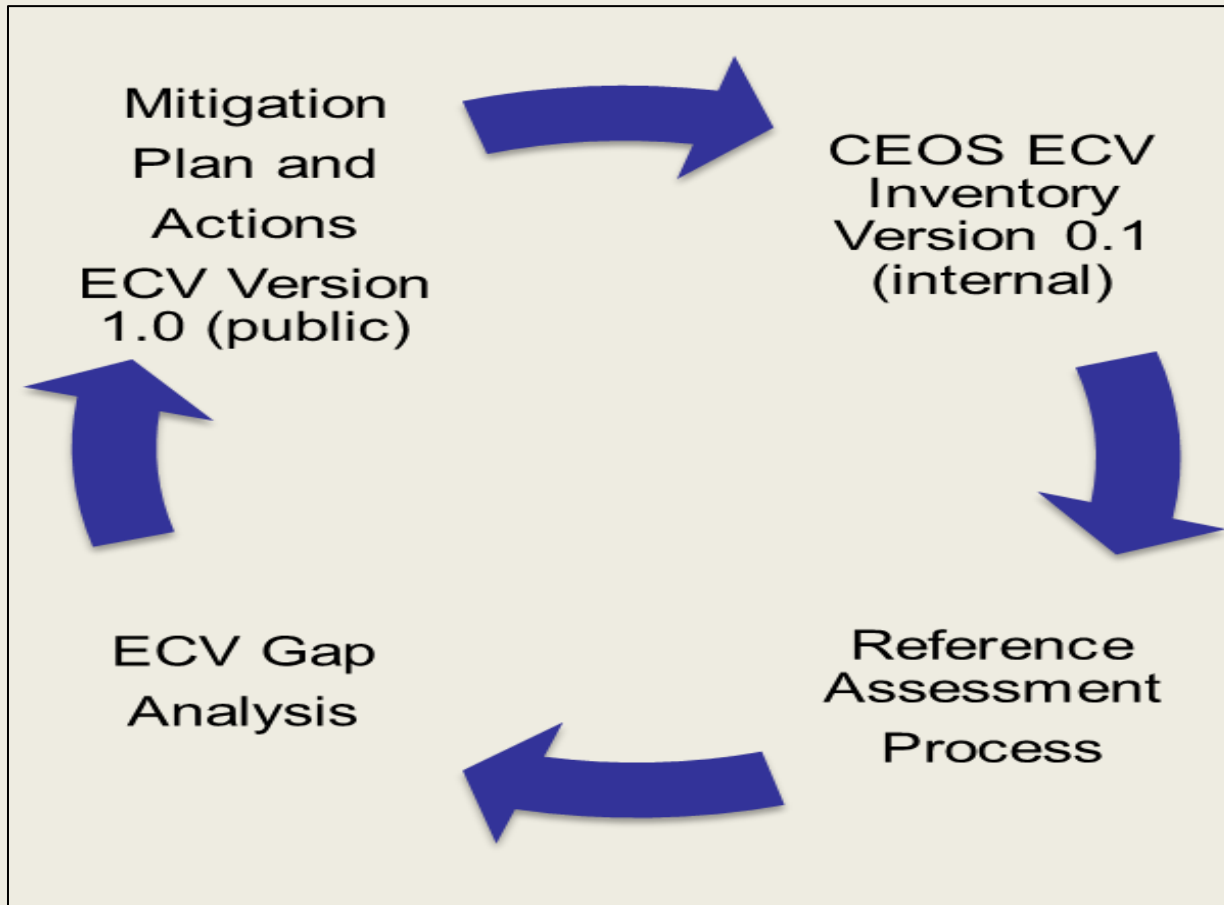


# ECV Inventory – Assessment, Gap Analysis, and

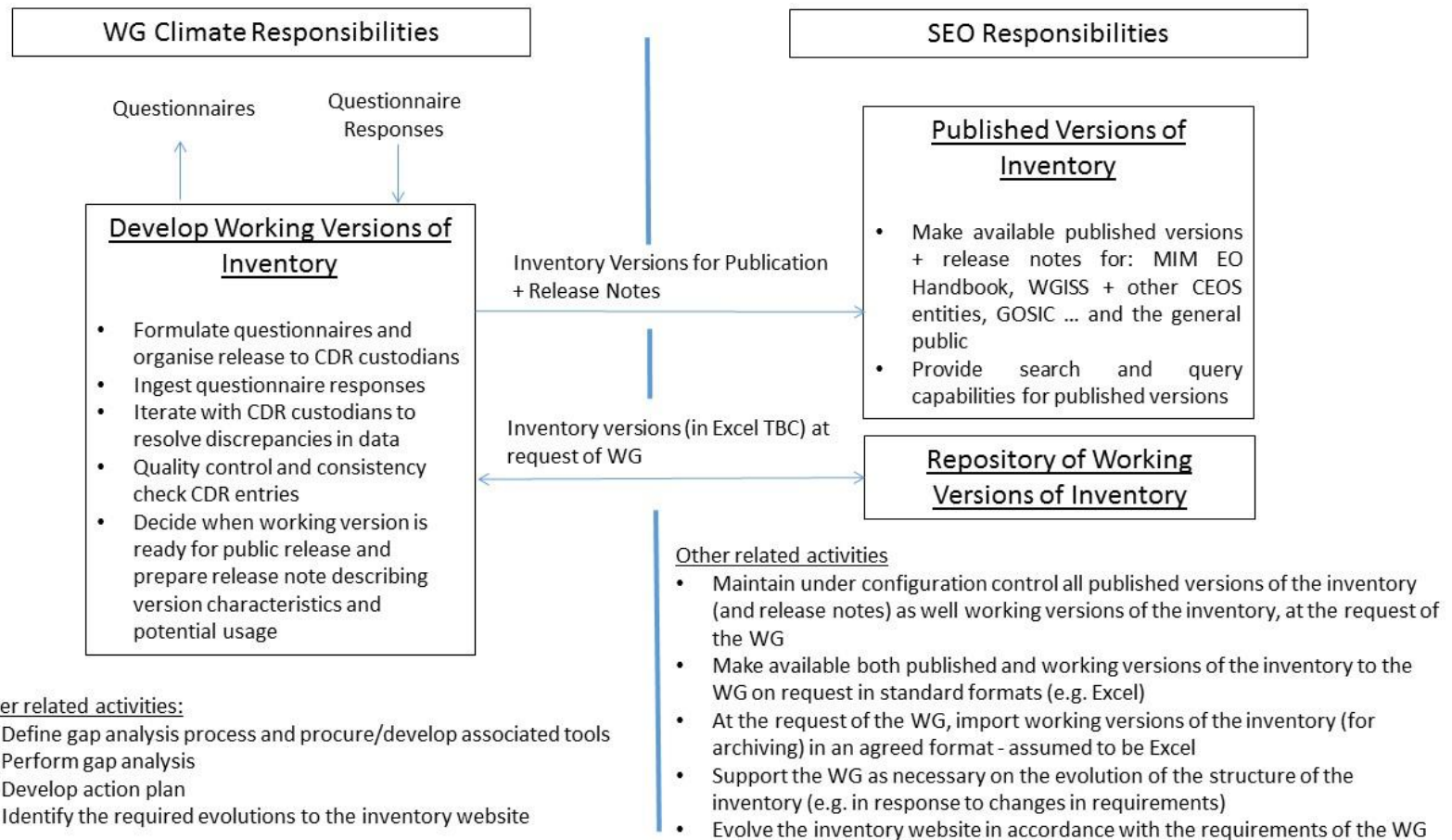
John Bates

# ECV Inventory Iterative Cycle – Cycle 1 - Learning to Walk

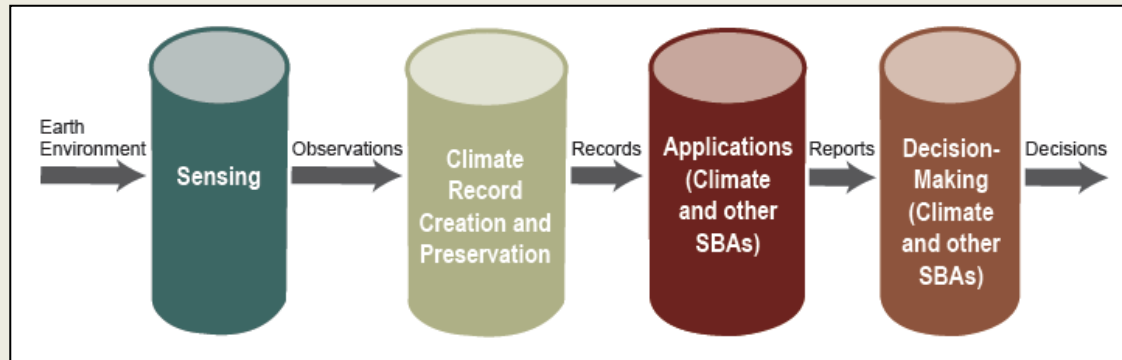
“Don’t let the perfect be the enemy of the good”



# ECV Inventory Iterative Cycle – Cycle 1; Step 1 – Inventory Control



# ECV Inventory Iterative Cycle – Cycle 1; Step 2 – Assessment

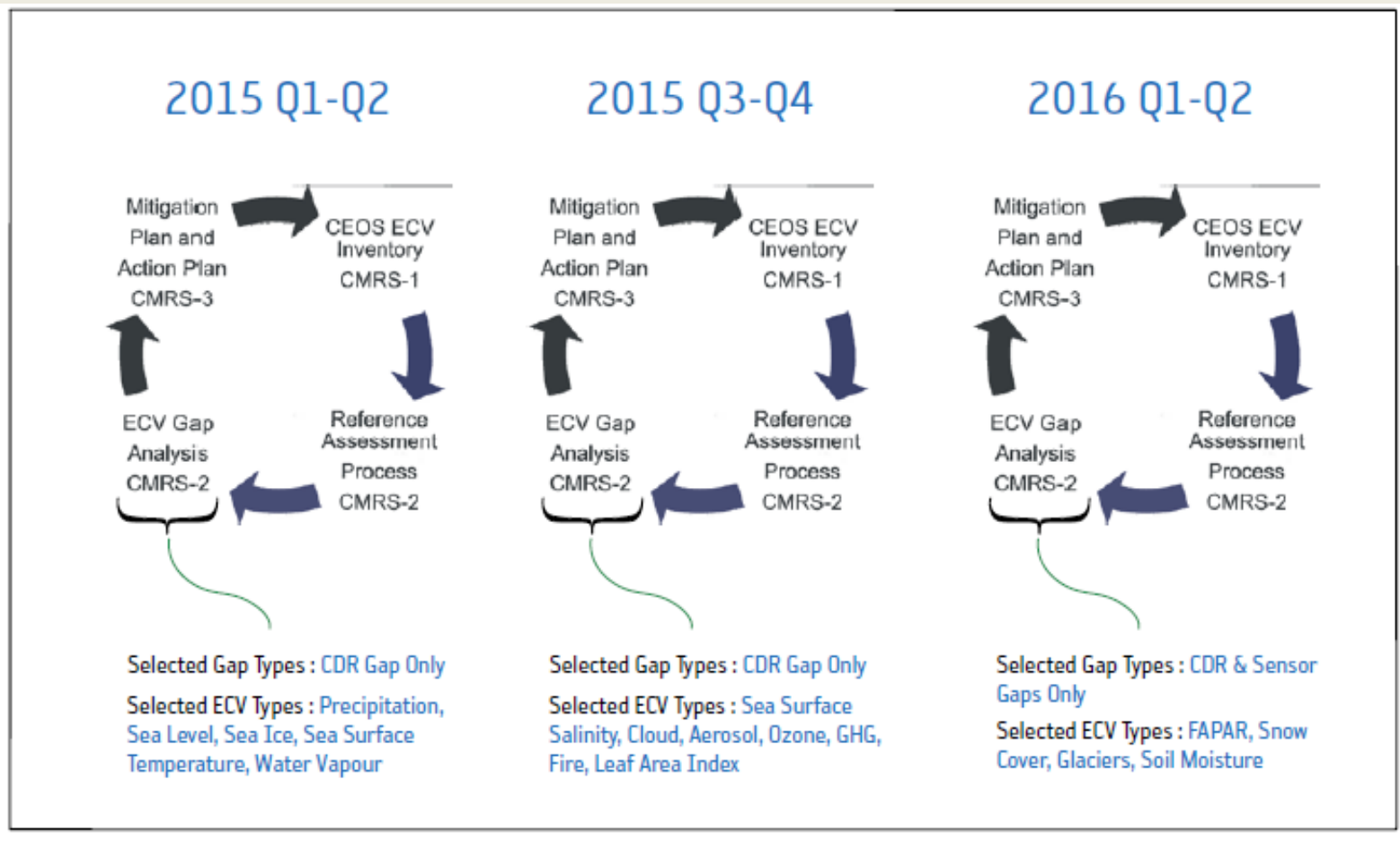


- Sensing – Length of record (years)/30
- Climate Record Creation and Preservation – Compliance with GCOS 12 ‘Needs’ for data sets
- Application – Progress towards meeting GCOS ECV requirements
- Decision Making – GCOS ECV use identified

# GCOS Data Set 12 'Needs'

1. Full description of all steps taken in the generation of FCDRs and ECV products, including algorithms used, specific FCDRs used, and characteristics and outcomes of validation activities
2. Application of appropriate calibration/validation activities
3. Statement of expected accuracy<sup>6</sup>, stability and resolution (time, space) of the product, including, where possible, a comparison with the GCOS requirements
4. Assessment of long-term stability and homogeneity of the product
5. Information on the scientific review process related to FCDR/product construction (including algorithm selection), FCDR/product quality and applications<sup>7</sup>
6. Global coverage of FCDRs and products where possible
7. Version management of FCDRs and products, particularly in connection with improved algorithms and reprocessing
8. Arrangements for access to the FCDRs, products and all documentation
9. Timeliness of data release to the user community to enable monitoring activities
10. Facility for user feedback
11. Application of a quantitative maturity index if possible
12. Publication of a summary (a webpage or a peer-reviewed article) documenting point-by-point the extent to which this guideline has been followed

# ECV Inventory Iterative Cycle – Cycle 1; Step 3 – Gap Analysis



# ECV Inventory Iterative Cycle – Cycle 1; Step 4 – Mitigation Plan

- Experience during first cycle
  - ECV inventory cycle is more resource intensive than first anticipated
  - This is the only effort anywhere to document quantitatively progress in meeting GCOS guidelines and requirements
- Evaluation – Plus/Delta Analysis (what worked and what can be improved)
  - Breakout session results...

# ECV Inventory Iterative Cycle – Cycle 1; Step 2

- Experience