

DAARWG Recommendations to SAB

What – Why – Technical Concept

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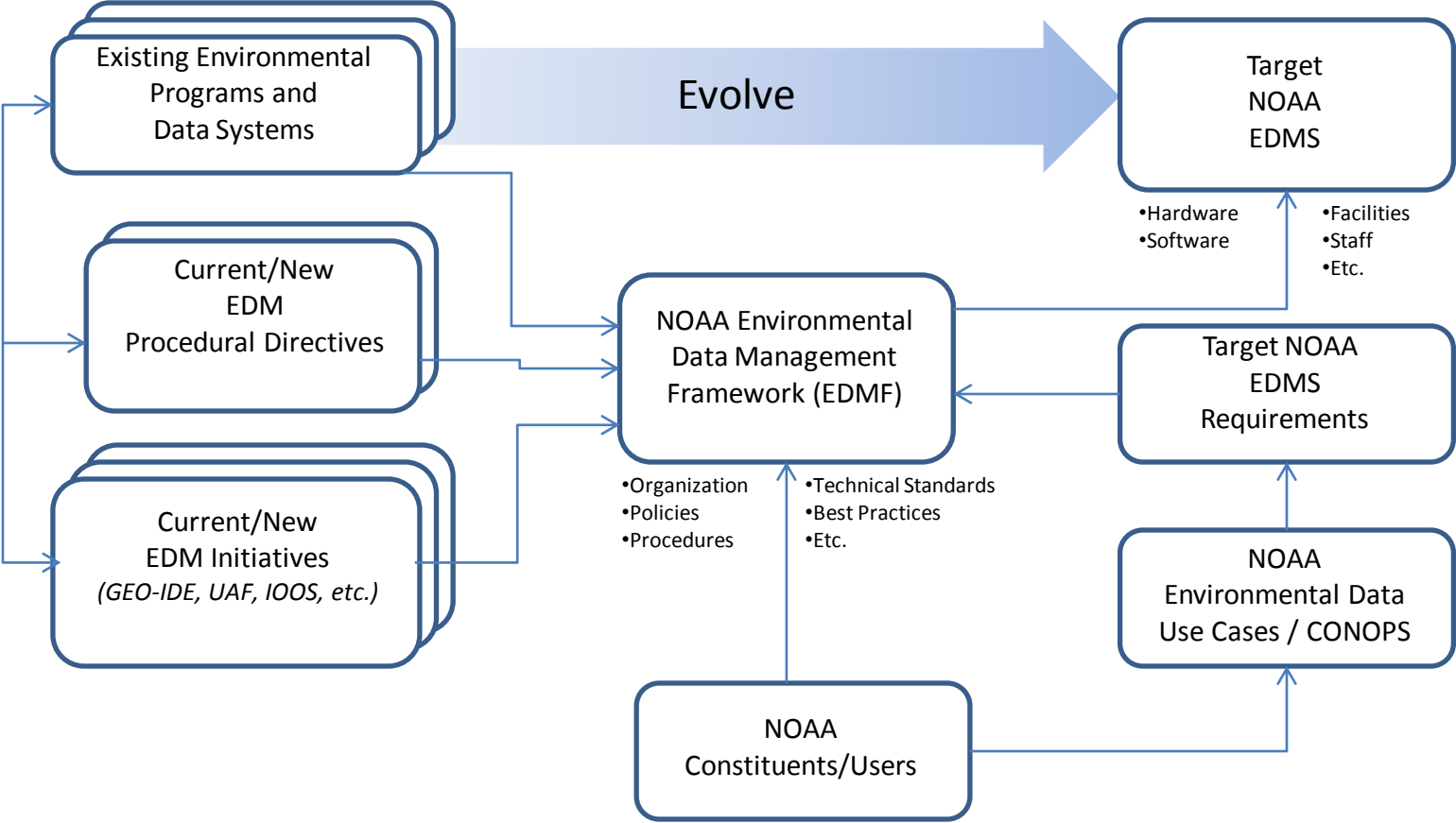
What is the Recommendation?

- Adopt a NOAA-wide Environmental Data Management Framework (EDMF) that will efficiently satisfy the ever increasing and critical demand for NOAA's diverse environmental data sets and model outputs.
 - By EDMF, DAARWG means the organization and governance structure (i.e., roles and responsibilities, policies, procedures), data management principles and practices, technical standards, etc. needed to manage the *life-cycle* of environmental data across the NOAA enterprise.

Why the Recommendation?

- NOAA is a data-driven agency. Increasingly, its data sets and model outputs must be melded into validated, coherent, and easily usable supersets to address NOAA's own, and the community's complex environmental problems of interest.
- Without such a EDMF in place, the shortcomings (hard to find, hard to use, slow response during crises, etc.) of the current array of 'stove piped' data systems will only perpetuate - making it exponentially more challenging and more expensive to solve, with every passing year generating increasing volume of environmental data.
- Such an EDMF would actually enable improved efficiency of NOAA's internal resource utilization, and accelerate the achievement of a NOAA-wide solution for environmental data management notwithstanding anticipated budget constraints in the coming years.

Recommendation - Conceptual



Conclusion

- NOAA should adopt and use an Environmental Data Management Framework (EDMF) based on the framework provided as input to the National Earth Observation (NEO) strategy.