



How to Get Seabirds from the Twilight Zone To PPBES

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Steps on the Road

- 🌐 Identify Clear Program Goals and Objectives
- 🌐 Develop Performance Measures to Evaluate Progress
- 🌐 Develop Plan to Achieve Objectives
- 🌐 Assess Resources
 - 🌐 Current
 - 🌐 100% requirement
 - 🌐 Plan to achieve the 100%
- 🌐 Develop PPBES Alternative

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Identify Clear Program Goals and Objectives

- What is it that NMFS wants their Seabird program to do?
- Is it to *Reduce Interactions Between Commercial Fisheries and Seabirds*?
- If yes, what are the objectives necessary to achieve this goal?
 - Estimate bycatch
 - Develop methods to reduce this bycatch
 - Rulemaking to Implement

Examples

- 🌐 **Goal - Achieve mandates of the MMPA**
- 🌐 **Objective 1) Restore abundance of all marine mammal species to levels > OSP**
- 🌐 **Objective 2) Monitor health of marine mammals**
- 🌐 **....**

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Develop Performance Measures to Evaluate Progress

- 🌐 Need to be concrete, measureable, and doable
- 🌐 These basically define what you want to do operationally
- 🌐 Minimum of one Management and one Science
- 🌐 Can have different levels of PMs—but hierarchical with respect to Goals and Objectives
- 🌐 Work with F/PR and F/ST or (F/SF) to have NMFS formally recognize higher level PMs

Examples

- 🌐 GPRA (higher level) PMs:
 - 🌐 Number of populations with stable or increasing abundance
 - 🌐 Percentage of living marine resources with adequate assessments

Examples

- 🌐 Program (lower level) PMs under SAIP:
 - 🌐 Five basic data categories provided the basis for the performance measures – stock ID, abundance estimates, fisheries mortality, assessment quality and frequency
 - 🌐 Then defined 5 levels of quality for each
 - 🌐 Set as our goal to achieve level 2 for each category for each stock (most at level 1 now)

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Develop Plan to Achieve Objectives

- 🌐 This is what the Fisheries and Protected Species SAIPs are
- 🌐 At its simplest—
 - 🌐 Describe the overarching strategy (national G&O)
 - 🌐 Enumerate and describe the performance measures,
 - 🌐 Define where you want to get to, and if possible
 - 🌐 Describe how you are going to get there
- 🌐 If properly laid, out the performance measures are the tactical elements of the Plan, and you just need to describe how you are going to get there

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Assess Resources

Current

 This is the level of resources (FTEs, contractors, vessel and aircraft time, etc) currently devoted to the work

100% requirement

 This is what you need to do everything

What is the Delta, and the plan to achieve it

 Delta = 100% - current

 The Delta will likely be very large

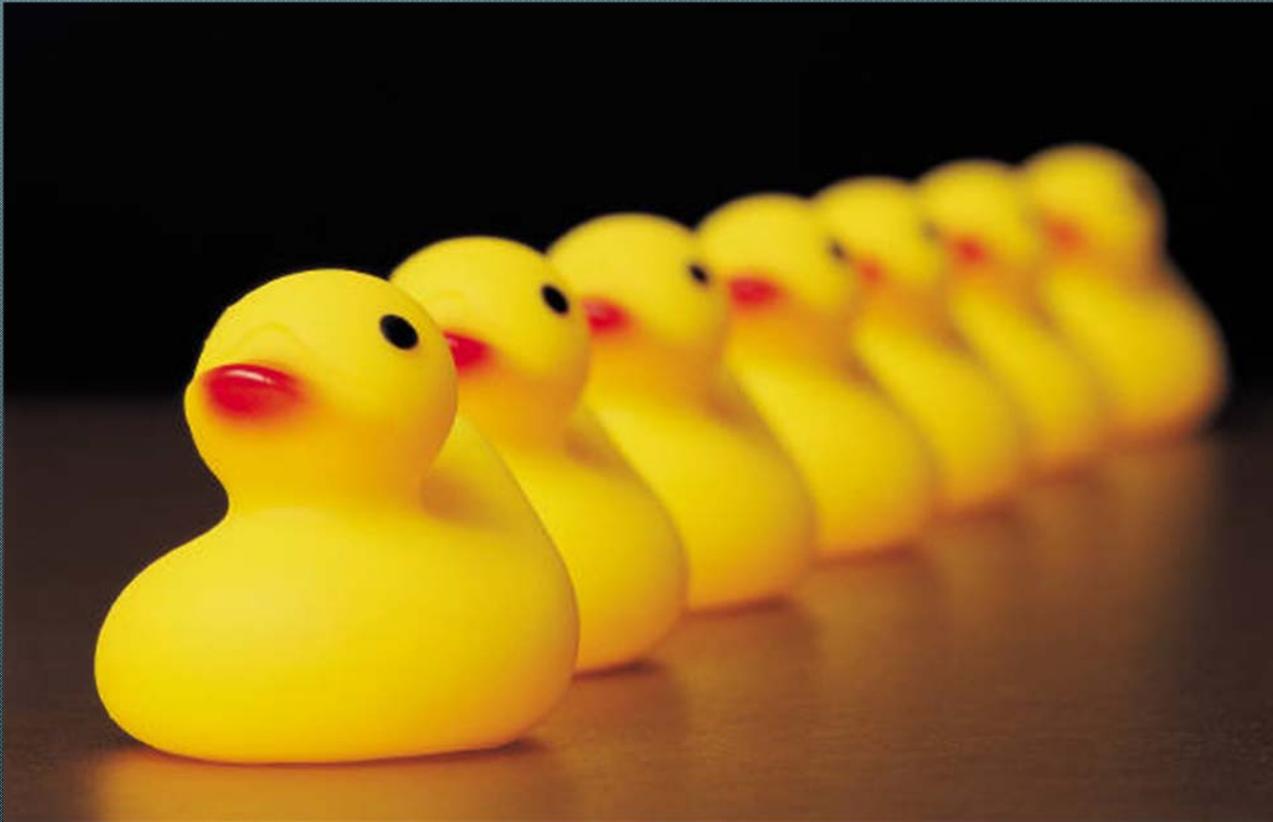
 So, develop a phased plan to achieve the Delta

 And this is where PPBES comes in!

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Develop PPBES Alternatives



Develop PPBES Alternatives

- 🌐 Working through EGT staff at F/SF, F/ST, and F/PR develop proposal (initiatives) to fund the Delta
- 🌐 Defer to Phillip Hoffman for details of this part of the process
- 🌐 BUT, without accepted performance measures and requirements documents, it is hard to build the case for funds

Examples of Recent NMFS Plans

- 🌐 Marine Fisheries Stock Assessment Improvement Plan
 - 🌐 Report of the National Marine Fisheries Service National Task Force for Improving Fish Stock Assessments – Mace *et al.* 2001
- 🌐 A Requirements Plan for Improving the Understanding of the Status of U.S. Protected Marine Species
 - 🌐 Report of the NOAA Fisheries National Task Force for Improving Marine Mammal and Turtle Stock Assessments – Merrick *et al.* 2004
 - 🌐 Report of the Protected Species SAIP Tier III Workshop – Merrick *et al.* 2006