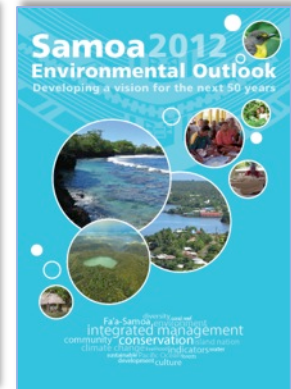
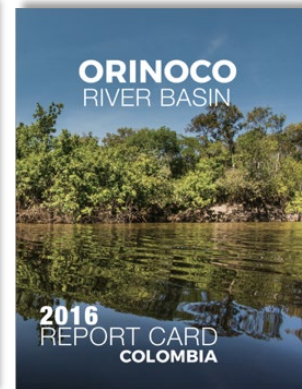
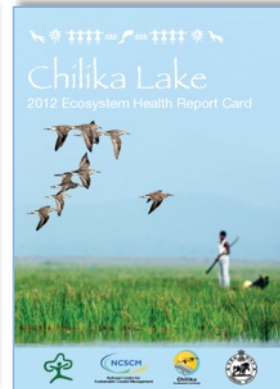
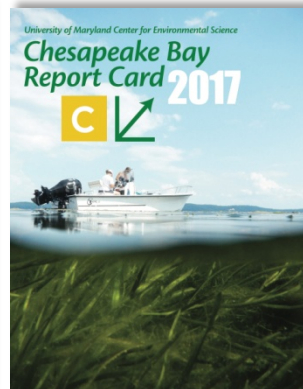
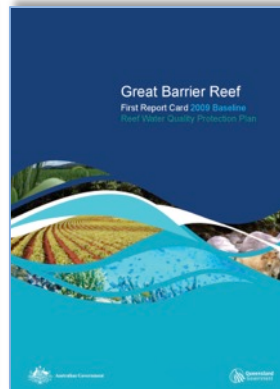
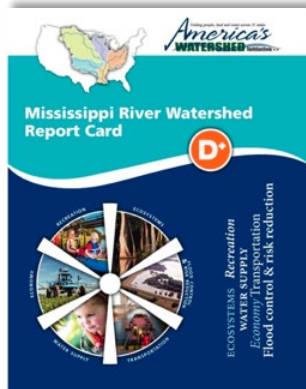


UMCES and ecosystem health report cards



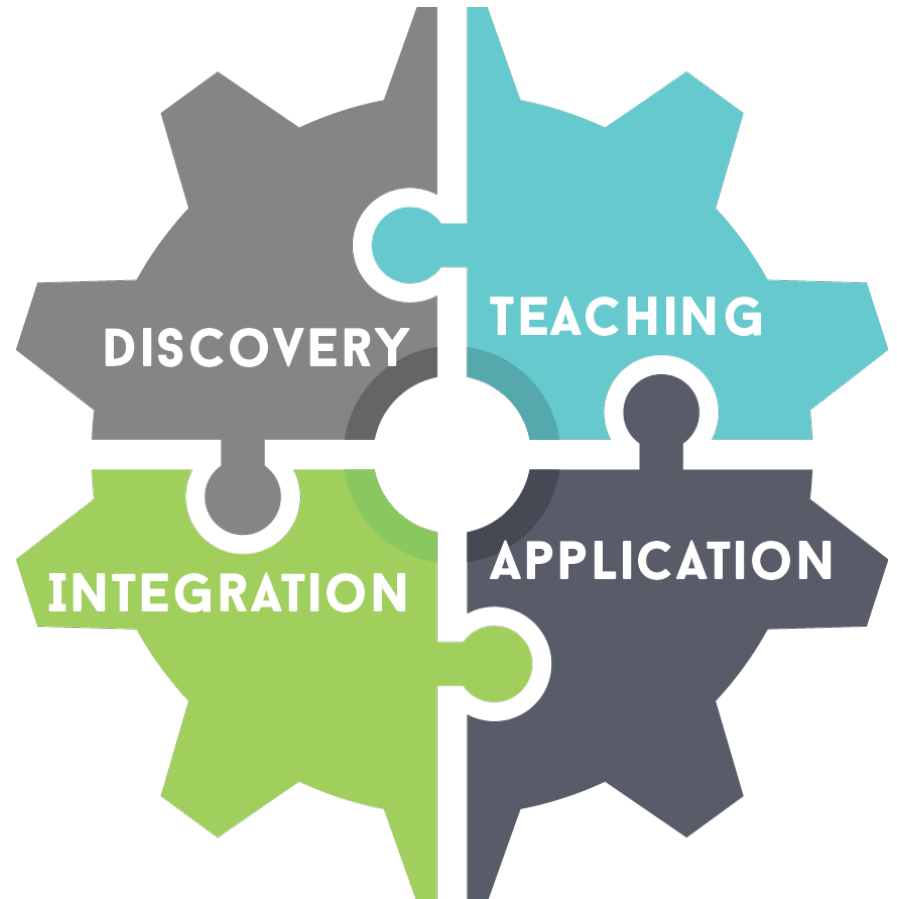
Bill Dennison
November 27th, 2018



Integration & Application Network

IAN's aim is to enable better communication to empower change.

ian.umces.edu



Using science to inspire change

- IAN's vision is a world where science is used to make smart environmental choices.
- IAN's mission is to accomplish positive environmental change through scientific synthesis, engagement, and communication.



IAN staff fill many roles

- Science Integrators
 - PhD scientists
- Science Communicators
 - MS scientists
- Interns
 - Undergraduate scientists



IAN themes



COMMUNICATING SCIENCE EFFECTIVELY



REPORTING ECOSYSTEM STATUS



TEACHING & TRAINING



CATALYZING CONSERVATION OUTCOMES



ADVANCING CHESAPEAKE BAY RESTORATION



BUILDING STRATEGIC PARTNERSHIPS



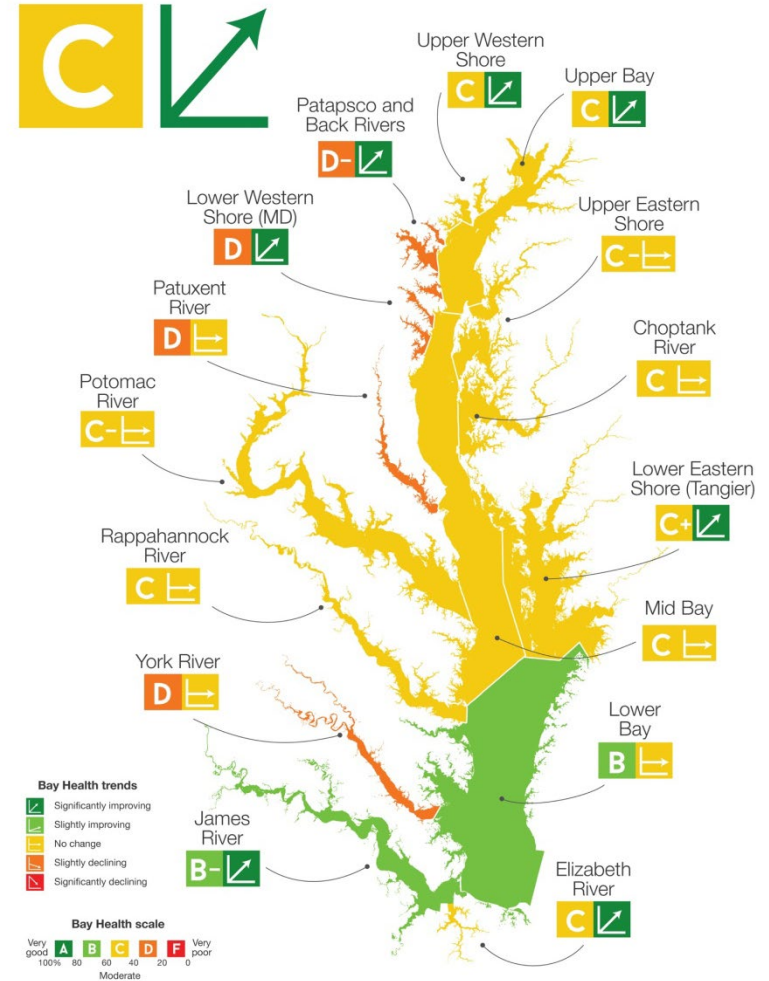
CREATING GOOD CITIZENSHIP MODELS



Reporting ecosystem status

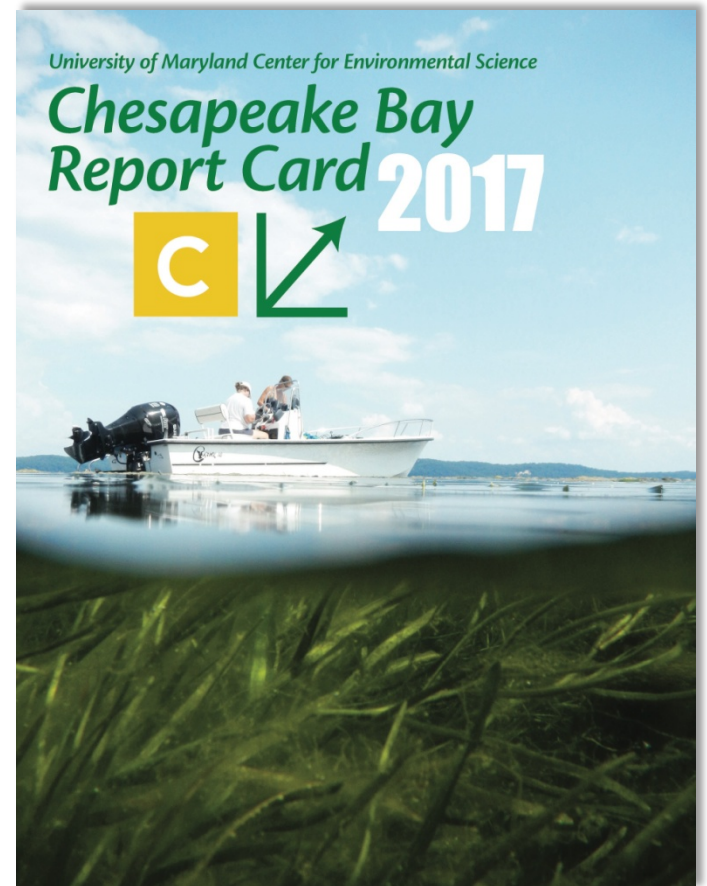


There is a lot of data



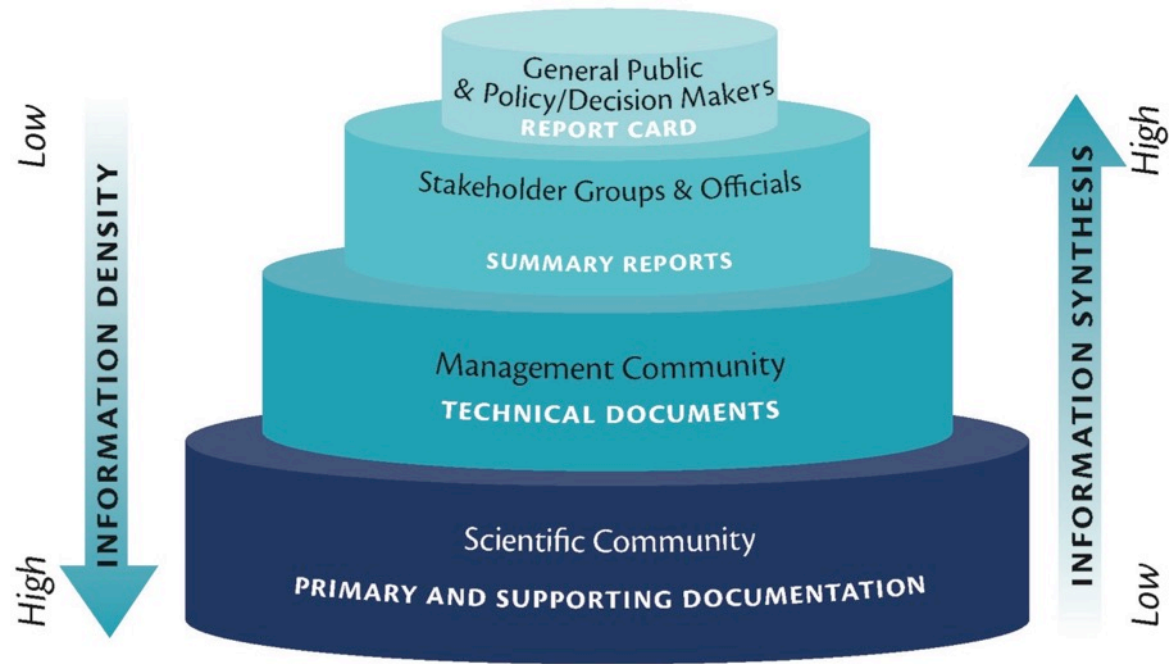
What is an ecosystem health report card?

- Broad-level assessments of a region or system
- Communicate complex information
- Based on real data: transparent and defensible
- Provide accountability
- Engage communities



Report cards provide information for multiple users

- Report Card is supported by data
- Methods are transparent
- Users can access information most relevant to them



The 5-step process of report cards

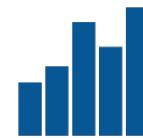
- Creates engagement from multiple stakeholders
- Forces a critical review of available data
- Forces goal setting and status assessment
- Creates a shared vision



1 CONCEPTUALIZE



2 CHOOSE INDICATORS



3 DEFINE THRESHOLDS



4 CALCULATE SCORES



5 COMMUNICATE RESULTS



Driven by stakeholders and collaboration



Survey says...



80 % responded the report cards increased public awareness



50 % responded the report cards had a positive effect on stakeholder behavior and resource allocation



60 % responded the report cards had a positive impact on their basin



86 % responded the report cards increased the demand for additional information



97 % responded they would recommend using report cards to their peers



WESTERN LAKE ERIE REPORT CARD

FUNDED BY:

- City of Toledo
- Lucas County
- City of Oregon

18 month process- Scientifically based

