



Gladstone
Healthy Harbour
Partnership

DIMS



FIVE FAST FACTS

- 1.** DIMS= **D**ata and **I**nformation **M**anagement **S**ystem
- 2.** DIMS is a decision support system developed by the data scientists at the Australian Institute of Marine Science Townsville.
- 3.** Data collectors upload their annual collection results into the DIMS system which then generates report card scores, grades and also populates documents for review.
- 4.** The DIMS system minimises human error in data handling and management.
- 5.** DIMS is primarily used by three groups, the data collectors (data entry), the GHHP Science Team (generate report card scores and grades) and the communications team (publish results).

? HOW DOES DIMS WORK?

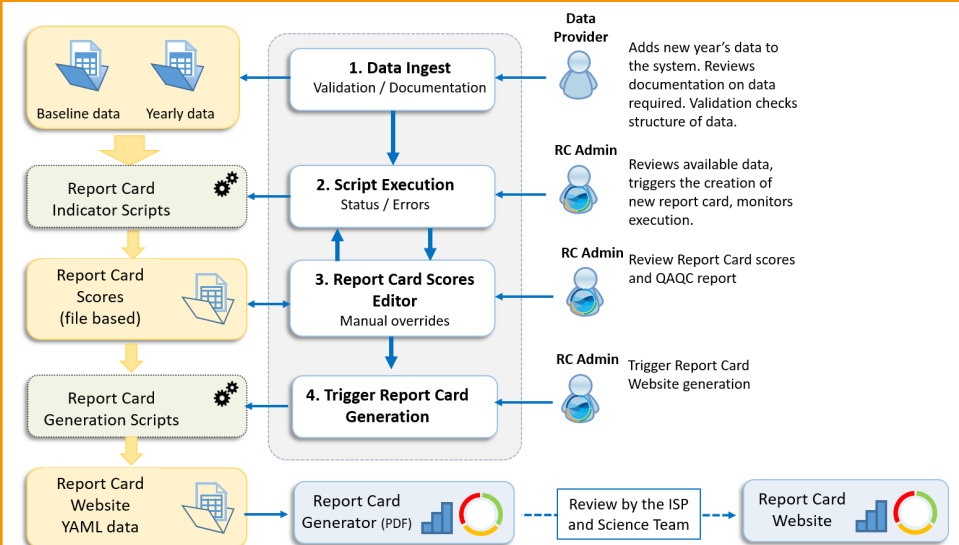
Data providers upload their annual data collection results into DIMS. The information is then taken over by an inbuilt automation process that minimises human errors in data handling and management. DIMS has pre-built specific instructions that validate the uploaded data for quality assurance. After the data is checked for quality, the program then generates report card scores, grades and populates documents for review by the Independent Science Panel and the Science Team before being included in the GHHP Report Card products. The DIMS can also generate time series graphs showing how a particular grade has fluctuated since the pilot report card.

? WHO USES DIMS

DIMS is primarily used by three groups:

- **Data Collectors:** upload their annual monitoring data.
- **GHHP Science Team:** generate annual report card grades and scores by running predefined calculation scripts.
- **GHHP Communications Team:** publishes the results through the GHHP website which is hosted on the DIMS server.

REPORT CARD SYSTEM USER INTERFACE



Schematic diagram of the report card system representing the key components of the process and link to the website.