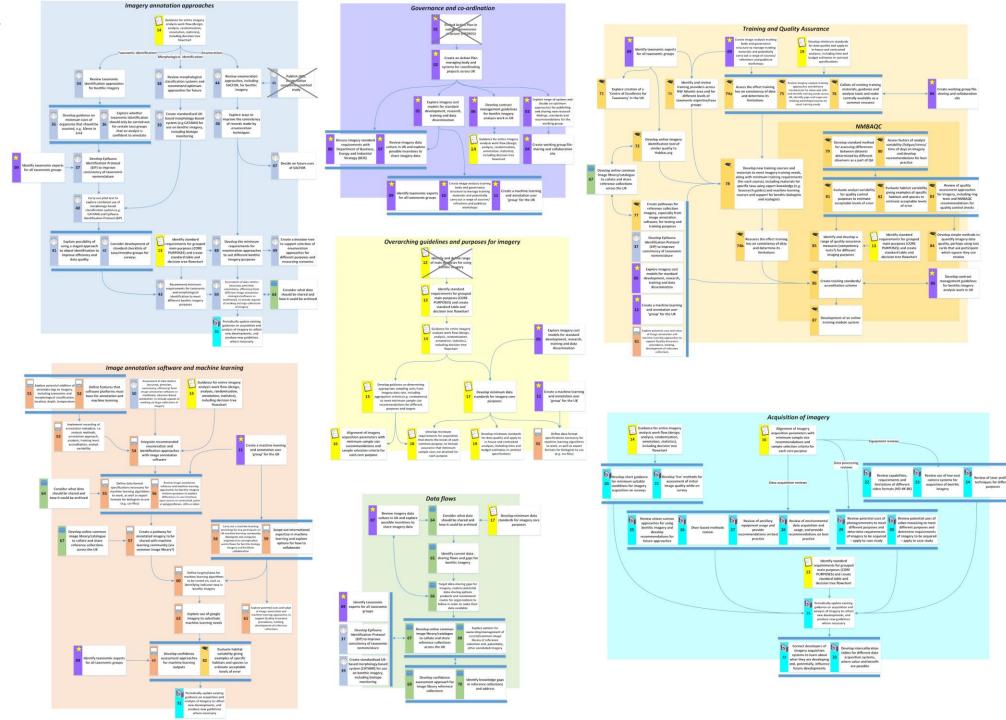


Benthic imagery analysis training scheme working group

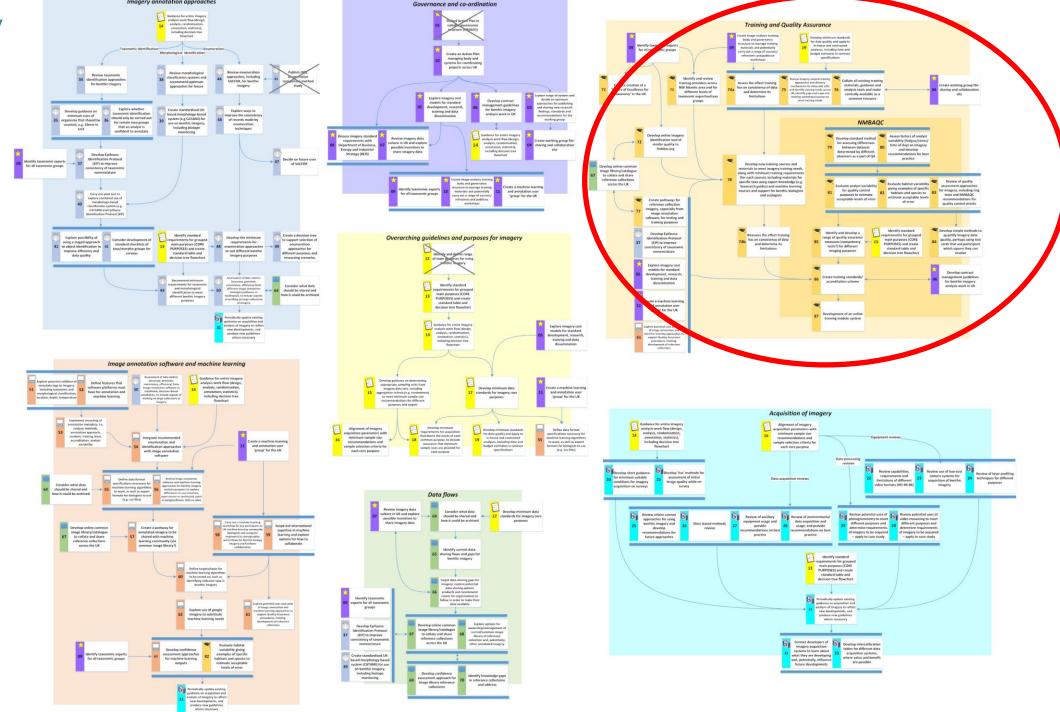
Overview of WG

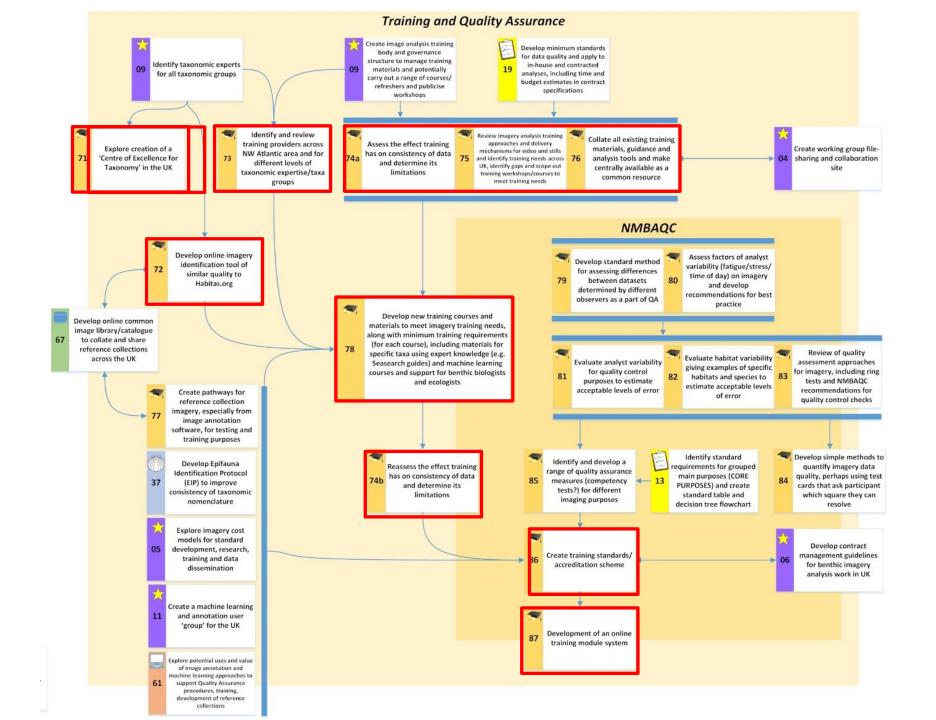
- Part of the Training and Quality Assurance tasks
- The tasks of this theme focus on:
 - Training of imagery analysts
 - Assessing their work to ensure standards are met
- Training methods to be reviewed, gaps and targets identified and a large range of new courses, workshop and resources are proposed, including developing a Centre of Excellence for Benthic Taxonomy in the UK

Benthic Imagery Action Plan flowchart



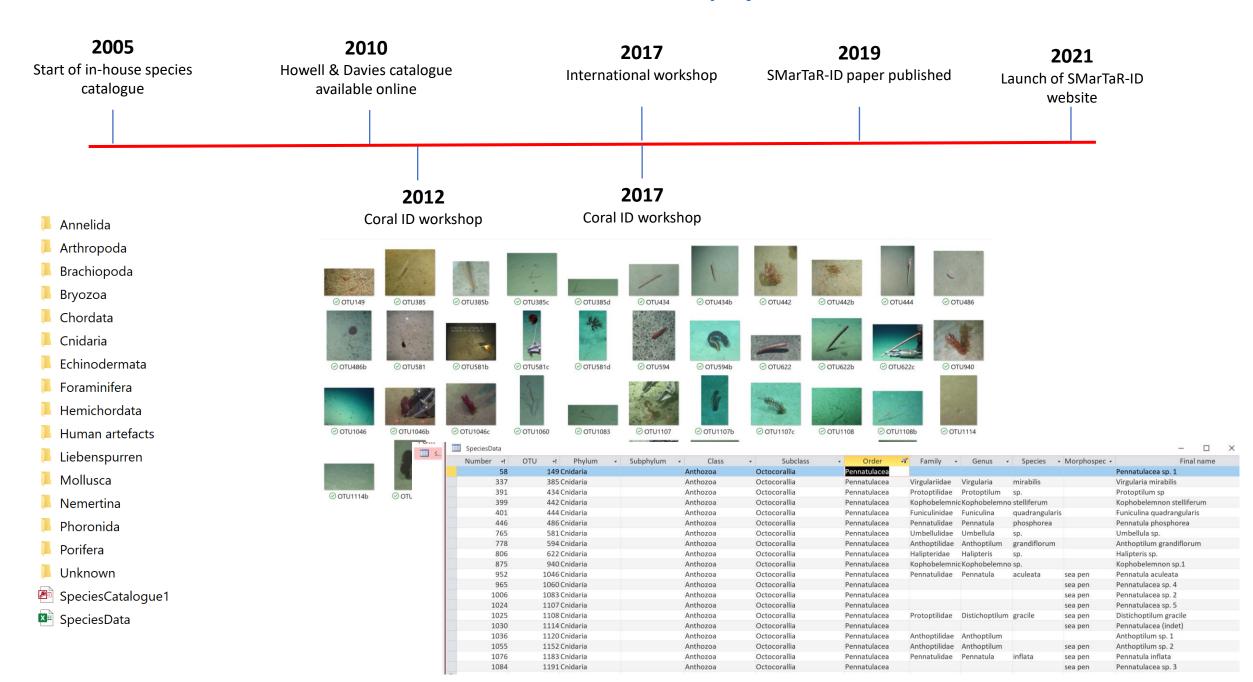
Benthic Imagery Action Plan flowchart





Task no.	Task	Proposed way of working	Suggested deliverable/s	Priority	Task status
71	Explore creation of a 'Centre of Excellence for Taxonomy' in the UK	Coordination	UK Centre of Excellence for Benthic Taxonomy	M	Hasn't started
72	Develop online imagery identification tool of similar quality to Habitas.org	Project	Online identification tool	M	Hasn't started
73	Identify and review training providers across NW Atlantic area and for different levels of taxonomic expertise/taxa groups	Coordination	List of training providers	L	Hasn't started
74	Assess the effect training has on consistency of data and determine its limitations	Project	Training benefits and limitations report	M	Hasn't started
75	Review imagery analysis training approaches for video and stills and identify training needs across UK, identify gaps and scope out training workshops/courses to meet training needs	Project	Imagery analysis training needs	Н	Hasn't started
76	Collate all existing training materials, guidance and analysis tools and make centrally available as a common resource	Project	Imagery training resource hub	Н	Hasn't started
78	Develop new training courses and materials to meet imagery training needs, along with minimum training requirements (for each course), including materials for specific taxa using expert knowledge (e.g. Seasearch guides) and machine learning courses and support for benthic biologists and ecologists	Multiple projects	Courses and materials bespoke to training needs identified in the review	Н	Hasn't started
86	Create training standards/accreditation scheme	Project	Training standards/accreditation scheme	M	Hasn't started
87	Development of an online training module system	Project	Imagery training resource hub: live training module system	L	Hasn't started

Evolution of the SMarTaR-ID project



SMarTaR-ID

standardised marine taxon reference image database

Deep-sea images submitted from over xx organisations covering the North Atlantic region



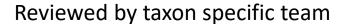
Pennatula sp.



Pennatula sp.



Pennatula sp.





Incorporate taxonomy and morphotypes



Standardisation of taxa ID



Ptiella spp.

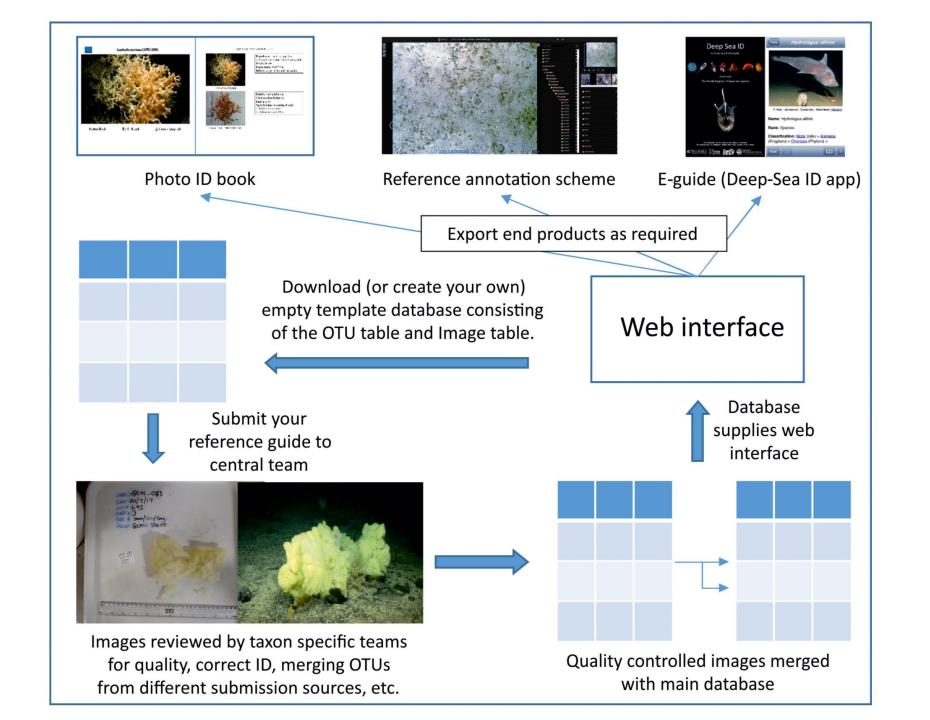




Pennatula phosphorea

A framework for the development of a global standardised marine taxon reference image database (SMarTaR-ID) to support image-based analyses

Kerry L. Howell , Jaime S. Davies, A. Louise Allcock, Andreia Braga-Henriques, Pál Buhl-Mortensen, Marina Carreiro-Silva, Carlos Dominguez-Carrió, Jennifer M. Durden, Nicola L. Foster, Chloe A. Game, Becky Hitchin, Tammy Horton, Brett Hosking, [...], Daniel Wagner [view all]



Training - UoP

Annotation software



Identification skills



Diagnostic sheet: reef-building Scleractinia

Lophelia pertusa, Madrepora oculata and Solenosmilia variabilis are 3 of the reef-

Lophelia pertusa



· Chunky branches



Madrepora oculata



· Twisted branches



Solenosmilia variabilis



- · Shorter polyps



Training manual (Biigle)

Student training sessions (Biigle)

SMarTaR-ID

standardised marine taxon reference image database

Taking a regional approach to standardised ID

Training videos

Training material

Pilot student training session

Next steps

WG scoping meeting and decide which tasks to take forward.