

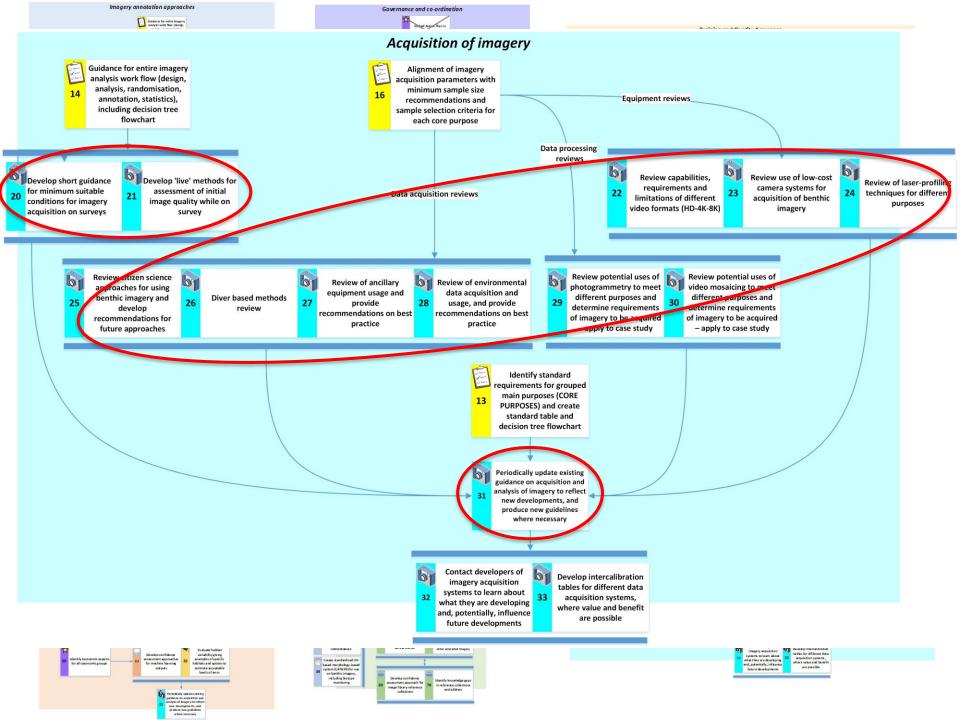
TheBigPicture@jncc.gov.uk

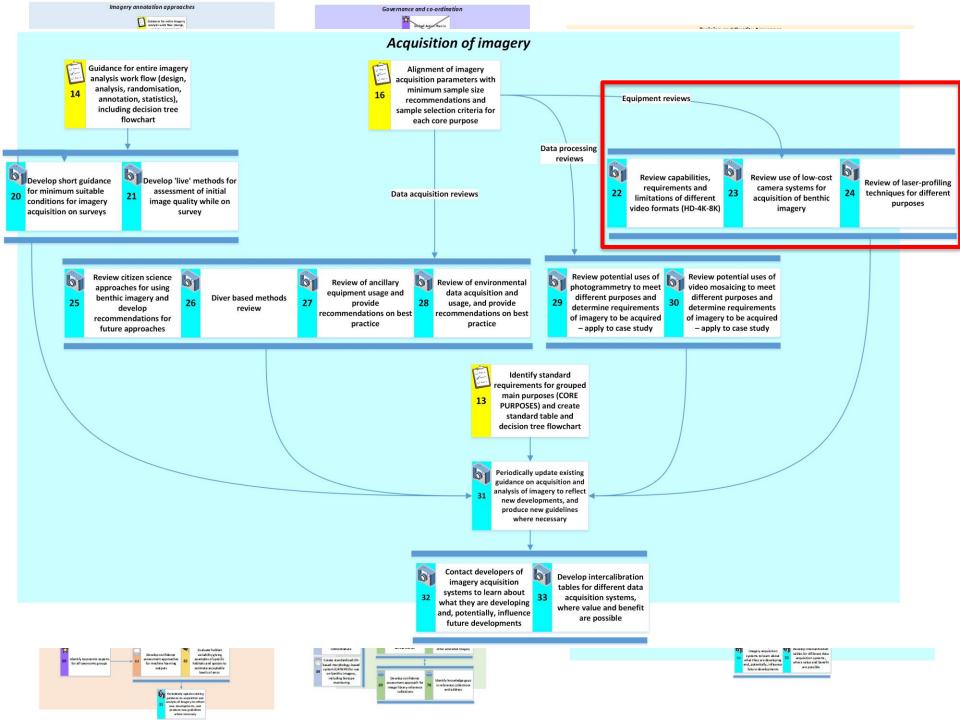


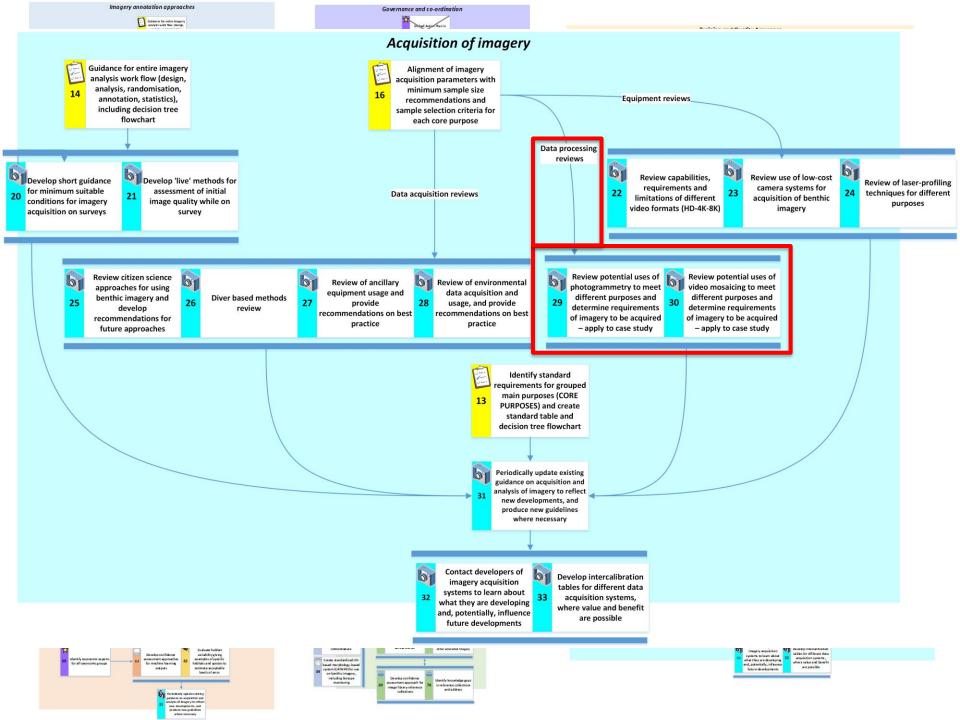


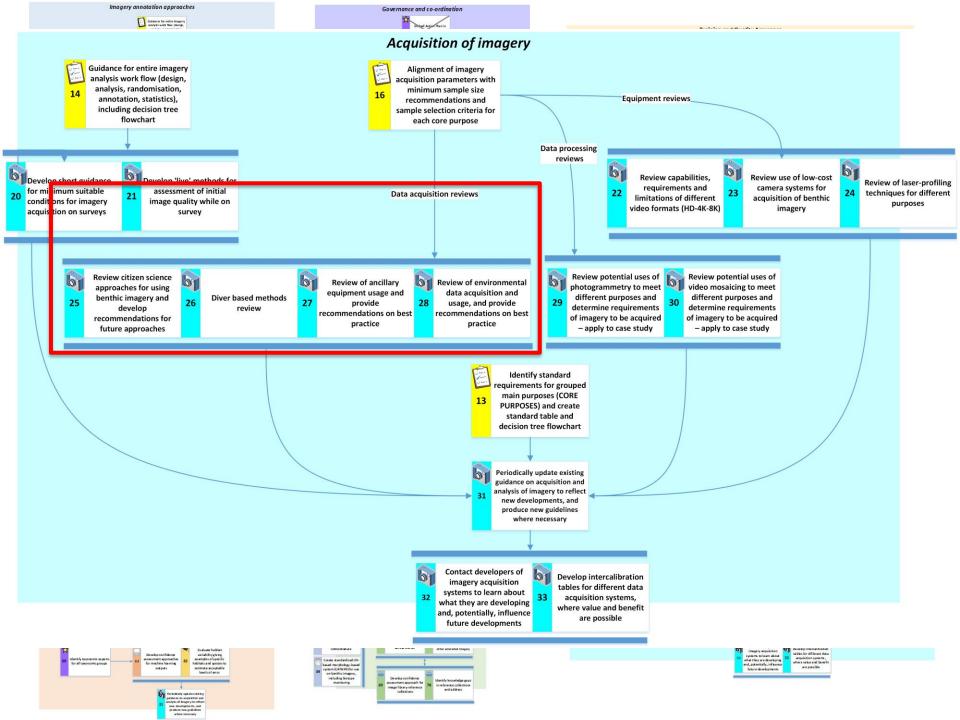
"The Big Picture Workshop conveys a sense that image acquisition is too difficult to standardise across platforms, gear, depths and habitats and that efforts are better focused on standardising outputs from surveys."

"If survey products can be standardised across purposes then this will allow flexibility in operational budgets, organisation-specific gear and platform choices."











Acquisition issues

- Gear types
- Media formats
- Camera format SD, HD, 4k, 8k, 16k…
- Standardised outputs?
- Mosaics







Future acquisition pipelines?

Quality control check by human annotator

Application of
Artificial Intelligence
algorithms annotate
and analyse imagery

Network of benthic imagery databases, archives and catalogues



Further data analysis, interpretation and future sampling design by researchers (human!)



Semi-autonomous 'fleet' acquire

benthic imagery

data



Data
upload/transmission
via satellite and
mobile networks



Variable resolution video data acquisition (switches between SD and 8K depending on seabed complexity)





Key messages: Acquisition approaches

Participants of BIG PICTURE
Workshop (2019) suggest
standardisation of data outputs
from acquisition more achievable
than of sampling gears

Two sets of tasks in Action Plan:

- Reviews of equipment, data acquisition and processing
- Need for quality control recommendations on survey

No Project Working Group assembled for these tasks (yet) – need interested organisations and project leads Need for more strategic approach for longer term benthic imagery acquisition approaches to fit into future work flows



Stay connected

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