

SC/67b/RP35

SH - Summary of time and budget calculation for SHBWC



INTERNATIONAL
WHALING COMMISSION

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At SC67a, it was pointed out that with increasing numbers of groups joining the SHBWC and consequently an increasing amount of photo-IDs, the number of hours needed for the matching process has also significantly increased. It was then agreed to consider 25USD\$/hour to hire experienced matchers to conduct the work and re-schedule the matching process, prioritizing within-region comparisons. Therefore at this year's meeting the SHBWC funding proposal considered this amount of salary for matchers.

To convert numbers of new photo-IDs to hours needed to match them against the catalogue, a linear regression was used to consider how much time it takes to compare one photo with increasing catalogues. This is shown in figure 1. It has also to be noted that matching needs to be done for left and right sides, so the time needed to match one individual with the SHBWC is doubled.

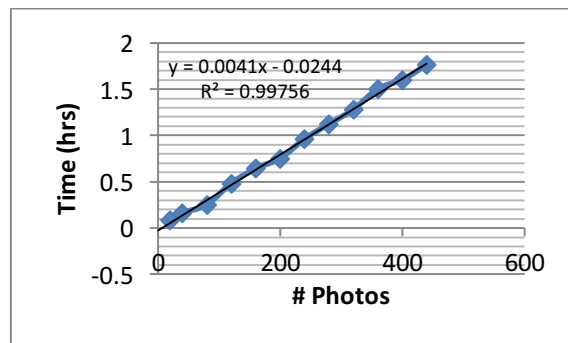


Figure 1 – Time needed to match one photo-ID against “X” photo-ID on the catalogue

With current exchange rate, the U\$25 is considered to be GBP£18.20. In this sense, the formula used to convert number of photo-IDs to cost is:

$$\text{Cost} = (\# \text{Photo-IDs in catalogue}) * (\# \text{newPhoto-ID}) * 0.004 * 2 * 18.2$$

For 2019, matching priority was given to finalize within region comparisons of South East Pacific (ETP and South America). This sub-catalogue will consist of 645 individuals approximately in 2019 (work is being done in 2018) and new entries from MERI and EUTROPIA are expected to be about 150 photos. Therefore comparisons of MERI vs Eutropia plus comparisons of MERI+Eutropia vs the ETP+SouthAmerica sub-catalogue will take 823hrs. Part of this work will start on 2018 and is covered with previous funding. Remaining 759hr are requested on 2019.

For 2020, if no new entries are received then all matching within regions is finished and therefore some amount of budget was considered to schedule matching for between region comparisons. However, the proposal also noted that depending on the future uploading of new photographs, matching process for 2020 could be re-schedule to give priority to matching within a region.

With only the proposed southeast Pacific within-region matching carried out on the SHBWC for the next two years, the costs incurred by the SC would be:

2018/19: £16,810

2019/20: £3,000

If further regional photo-IDs are submitted to the SHBWC in 2019, matching costs will vary depending on the size of the regional catalogue they contribute to. If for example 100 photo-IDs are added from New Zealand (currently a high priority region for assessment), the time and cost to match these will be ~400 hours (£7,280) in 2019/20.