# Supplementary Material 1 Checklist for field work and naming convention for the video files

## **Pre-field work**

* Clean the camera lenses and the housing windows (inside and outside) with appropriate optic wipes
* Insert a battery previously charged in each camera.
* Switch on the camera and check for the following : i) the SD card is empty; ii) High Definition (HD); iii) the image flow is 25p (on the Sony: HD-FH 25p); iv) wide angle; v) focus: manual set to infinity; vi) image flow: 25p; and vii) correct date and time.
* Reverse the monitoring screen of the camera so that it is seen from outside the housing.
* Check that the magnetic switch is operational. With the CX900E SONY camera model, the SONY remote may also be needed in addition to the magnet.
* Recycle the silica gel in a microwave, let it cool down and put a small quantity in a paper sachet. Place a sachet in each camera housing.
* Check the camera is centered in the housing and the lens against the window and centered too.
* Check the O-rings are without dust nor hair. O-rings must be regularly lubricated with a very small amount of silicone grease.
* Close the housing by carefully pushing the cap all sides at the same time and passing the two 0-rings without getting them out of their groove.
* Check the 0-rings are properly placed and are in contact with the housing.
* Adjust the screws without forcing.
* Put the camera housing in the protective case
* For the motor housing, check that the battery is charged and connect the battery to the motor.
* Check the cap 0-ring is clean and close the housing.
* Check that the magnetic switch is operational.
* Put the motor housing in the protective case

## **Post-field work**

* Aboard the boat, coarsely rinse the housings with freshwater and dry them before placing them in the protective cases (4-5 liters of freshwater are needed)
* Once on the shore or aboard the survey vessel, rinse the stands, rigging with freshwater
* Rinse again the housings and dry them with a clean towel (no saltwater on the towel)
* Open the housings in the office or dry room and take the cameras out
* Successively connect each camera to a PC using a USB cable and download the videos using PlayMemories Home™ on the laptop.
* Remove the camera batteries and place them on the charger and connect the motor batteries to their charger
* Input the field metadata in the ad hoc metadata spreadsheet (Supplementary Material 2)
* Derush each video for validation and complete the metadata spreadsheet with additional information gained from the derushing
* Rename valid video following the naming convention.
* Make two copies of the valid videos of the day on two external hard drives

**Naming convention for the video files**

The standardised naming comprises the following information :

* Twelve digits for the date and time of the video as created by PlayMemoriesHome™:

|  |  |
| --- | --- |
| YYYY | Year |
| MM | Month |
| DD | Day |
| HH | Hour |
| MM | Minutes |

* The observation code comprises

|  |  |
| --- | --- |
| Two or three characters followed by an underscore (“\_”) | Region code (so far:  NC for New Caledonia, MED for Mediterranean Sea, ATL for Atlantic Ocean, MAY for Mayotte, RUN for Reunion Island) |
| Two characters | Survey site within the region, e.g. CB for Côte Bleue |
| Two digits | Survey year |
| Four digits | Numbering the observation within the survey |

* An underscore is added between the date-time and the observation code