







- 1. Date and time
- 2. Observer contact phone
- 3. NO risks: security perimeter. Conditions for acces?
- 4. Technician contact phone
- 5. Fast determination: alive or death?
- 6. Observe: more animals around? (number)
- 7. Register: location, city and province (coordenates)
- 8. Gender, Species and Necropsy Code
- 9. Enter: Biometry (size)
- 10. Take photos and videos



# TURTLE HANDLING

## SAFETY



For people and the turtle SECURITY PERIMETER

## EXAMINATION

Biometry data, check health condition

Strangling elements? Remove

## TRANSPORT

Set sun protection or move

a) Usual technique b) If carapace is damaged

#### DETERMINE Reintroduction

Rehabilitation (centre) Euthanasia → Necropsy





#### CETACEAN HANDLING

# SAFETY +

For people and the cetacean SECURITY PERIMETER

# **EXAMINATION**

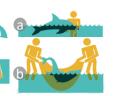
Biometry data, check health condition

Strangling elements? Remove

## TRANSPORT

Set sun protection or move

a) Keep afloat, avoid genital area b) Keep afloat using towels or stretchers, caution with flippers



### DETERMINE

Reintroduction Rehabilitation (centre) Euthanasia → Necropsy







The icons in this section have been taken from the Stranding Service Manual for municipal authorities of the Andalusian coast. Ministry of Environment and Territorial Planning of the Andalusian Government (2017)

### PERSONAL PROTECTIVE **EQUIPMENT**

- · Gloves (latex and nitrile)
- First aid kit (Sun protection and antiseptic liquid soap).
- Masks with filter
- Pyjamas/ White coat/ Disposable suit
- PVC apron
- Wellington boots with anti-slip
- 10 ztre water barrel with tap (for personal hygiene) and towels.
- Isothermal flask for drinking water.

#### DATA MATERIAL EQUIPMENT FOR PRIMARY CARE AND NECROPSY PERFORMANCE

\*Check full protocol for specific information

- Folder with clip, pen and sheets
- Species identification keys.
- Towels, bucket, water sprays, sunshades.
- Measuring tape (25m) (foldable and washable) and vernier calipers.
- Security perimeter tape

- · Watertight box.
- Basic necropsy equipment\*
- Fungible material\*
- Sampling material\*
- Nylon bobbin and cable ties (big and small).
- Stain steel ruler.
- Hook scale.

- Cold accumulator.
- Refuse sacks
- Car transformer (12 V - 220 V).
- Mobile phones and handsfree



## **IDENTIFICATION CHARTS**



Caretta caretta



Ziphius cavirostris



Tursiops truncatus



Delphinus delphis



Stenella coeruleoalba



Dermochelys coriacea



Kogia breviceps



Physeter macrocephalus

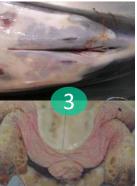


Globicephala macrorhynchus

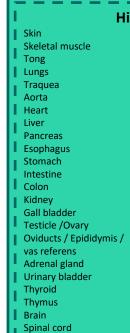












Histology Salt glands Bone marrow Other lesions **Parasites Specific for cetateans:** Diaphragm Tracheobronchial lymph node Pulmonary lymph node Prescapular lymph node Laryngeal tonsil Pharyngeal tonsil Keratinized stomach Main stomach Pyloric stomach Mesenteric lymph node Rectal lymph node Uterus Mammary gland Prostate / Placenta Penis / Vagina Hypophysis Ear Rete mirabile **Umbilicus Umbilical** cord

Microbiology Skin Skeletal muscle Lungs Heart Liver Intestine Colon Kidney **Brain** Spleen Other lesions **Parasites** Urine Plasma / Serum Bile Gastric content

**Specific for cetaceans:** Pulmonary lymph node Prescapular lymph node Mesenteric lymph node Uterus Mammary gland Prostate / Placenta Rete mirabile **Umbilicus** 

**Umbilical** cord

**Fetus** 

**Toxicology** Skeletal muscle Lungs Heart Liver Stomach Kidney Brain Spinal cord Spleen Fat Urine Plasma / Serum

Specific for cetaceans: Fetus Milk

**Biochemistry** Plasma / Serum

**Specific for** cetaceans: Milk Vitreous humor Life History'

Life History Skin Skeletal muscle Testicle /Ovary Bone marrow Gatric content

Specific for cetaceans: Wax stopper Teeth Whiskers

\*Life History samples are the same as specified in Life History box under necropsy condition 4 and 5





Axillary nerve

Pituitary gland

Conjuntiva

Sleen

Eve



**Fetus** 













