

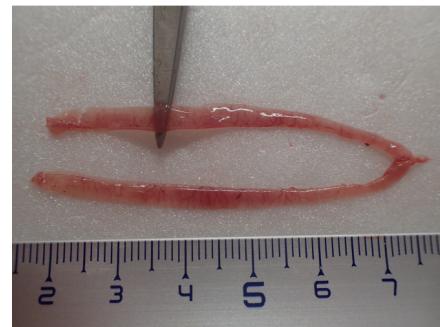
## VISUAL MATURITY SCALE

### Mackerel / *Scomber scombrus*



#### A - IMMATURE

TRANSPARENT TO  
TRANSLUCID GONADS



#### B - DEVELOPING

Gonads are filling and  
becoming opaque

KNIFE BLADE SHAPE

NON-FLOWING  
GONADS



#### C - SPAWNING

FLOWING GONADS

OPAQUE AND  
WHITISH GONADS

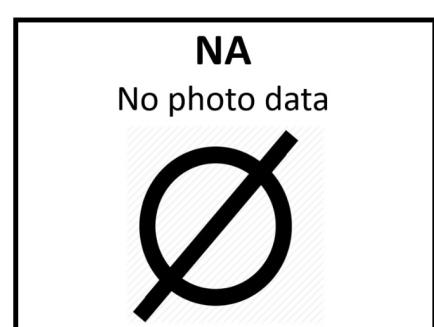


#### D - REGRESSION/REGENERATION

BLOOD RESIDUE IN  
TISSUES

FLABBY GONADS

MILT RESIDUALS



**Mackerel / *Scomber scombrus*****E - OMITTED SPAWNING**

UNDETERMINABLE WITH THE NAKED EYE

**F - ABNORMAL**NECROSIS,  
SCLEROSIS OR  
INTERSEX

| Picture | Sex | Species                 | First maturity size |
|---------|-----|-------------------------|---------------------|
|         |     | <i>Scomber scombrus</i> | 19 - 27 cm          |

**References/Photos :**

ICES (WKASMSF 2018 &amp; WKMATCH 2012),

IFREMER,

Quéro J-C. et Vayne J-J.2008. Les poissons de mer des pêches françaises : delachaux et niestlé, 304