



GENERAL FISHERIES COMMISSION
FOR THE MEDITERRANEAN
COMMISSION GÉNÉRALE DES PÊCHES
POUR LA MÉDITERRANÉE



Training Workshop on Age Determination of Elasmobranchs

Antalya, Turkey

8-12 October 2012

Mediterranean Fisheries Research Production and Training Institute

Lecturer: Dr Steven Campana

DRAFT AGENDA

Monday 8 October

Morning, 10:00

- Opening lecture
- Vertebra and spine extraction
- Epoxy embedding
- Interpretation and measurement of spines

Tuesday 9 October

Morning, 9:00

- Opening lecture
- Sectioning of vertebrae (instructor's samples) with Isomet saw
- Initial interpretation of sections
- Use of image analysis system
- Spine interpretation and calculation of eroded annuli

Wednesday 10 October

Morning, 9:00

- Opening lecture
- Sectioning of vertebrae (provided by participants) with Isomet saw
- Interpretation of sections
- Using Photoshop for image enhancement
- Production ageing of 100 vertebral sections each

Thursday 11 October

Morning, 9:00

- Opening lecture
- Sectioning of vertebrae with Isomet saw
- Interpretation of sections
- Data analysis: strategy for data entry
- Age frequency histograms; age comparison using scatterplots, then age bias plots; preparation of growth curves; testing for sexual dimorphism; measuring precision; modal analysis

Friday 12 October

Morning, 9:00

- Complete sectioning and interpretation
- Data analysis review

Lunch break will from 13:00 to 14:00 kindly offered by the Mediterranean Fisheries Research Production and Training Institute at its premises.