



Marine Science in WA 2010 Show-&-Tell

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**Newsflash title: Understanding the spawning
dynamics of orange roughy on the Cascade
Plateau, SE Tasmania**

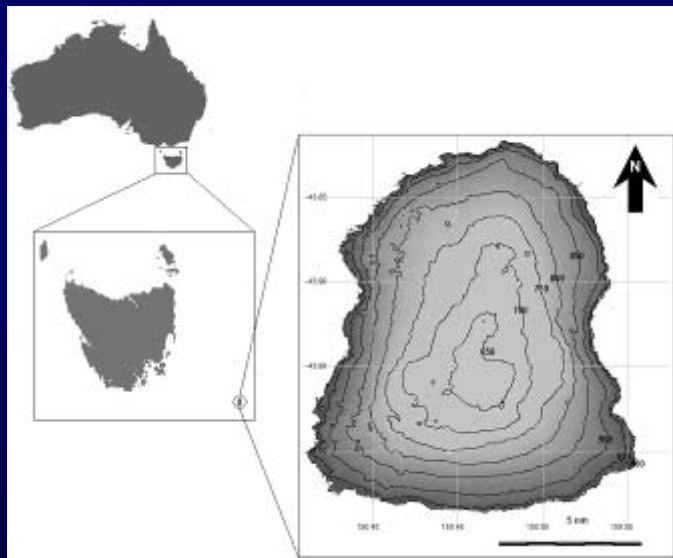


UNDERSTANDING THE SPAWNING DYNAMICS OF ORANGE ROUGHY ON THE CASCADE PLATEAU, SOUTH-EASTERN TASMANIA

Or... Using acoustics and biology to understand what they are doing and why!



Image courtesy of Alexei Orlov www.fishbase.org



- **A decade of acoustic surveys of spawning aggregation**
- **Biological sampling & macroscopic staging of fish**
- **Identification of fish marks on echogram by well defined and validated criteria**
- **Estimate aggregation volume throughout spawning season – 2-3 weeks**
- **Using spawning stage to standardise the annual volumetric time series**



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