

PROJECT 4.1

Applying the EBFM Framework

Leader – Dan Gaughan



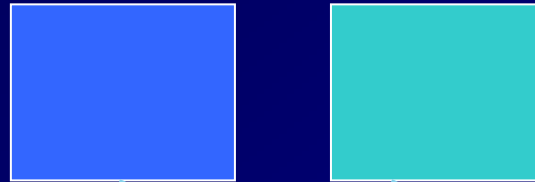
Government of **Western Australia**
Department of **Fisheries**

What is EBFM?

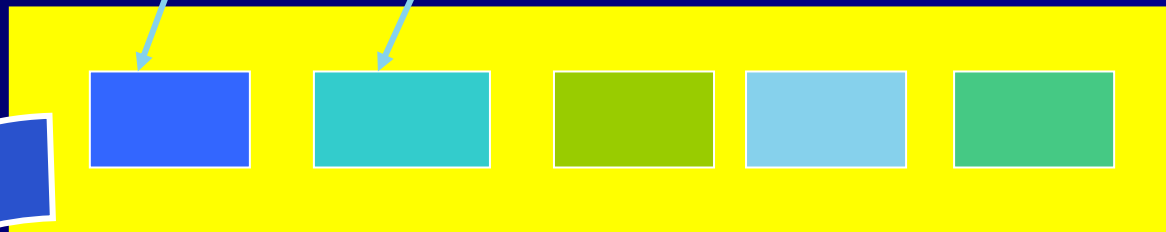
Deals with ecological impacts of fishing activities and their social & economic implications.

Moving towards ecosystem management

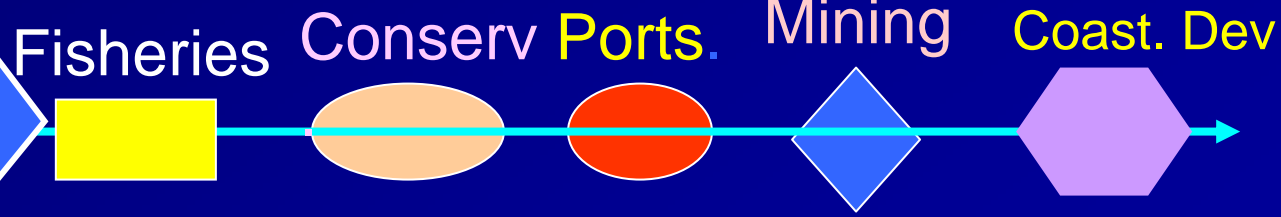
1. Single fishery assessments



2. Multi-fisheries Assessment Ecosystem Based Fisheries Management (EBFM)



3. Regional Marine Planning - EBM



Multi-sector Analysis

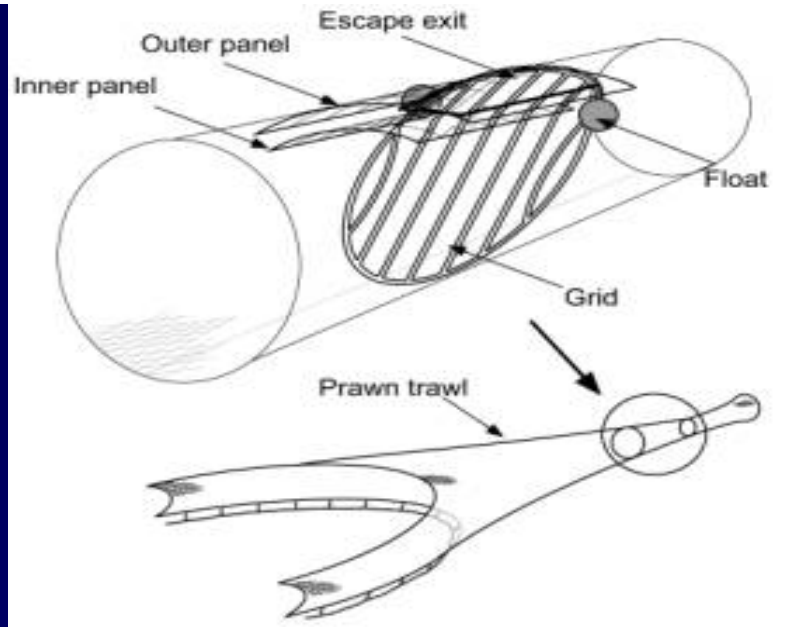
EBFM measurement and reporting

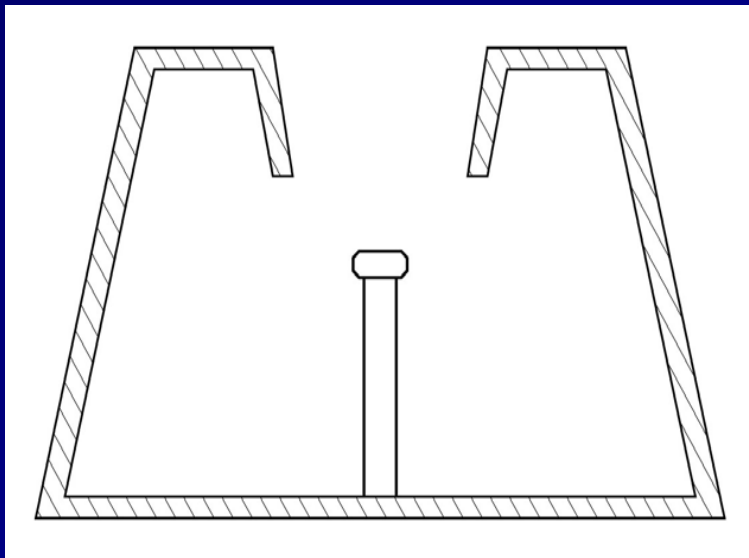
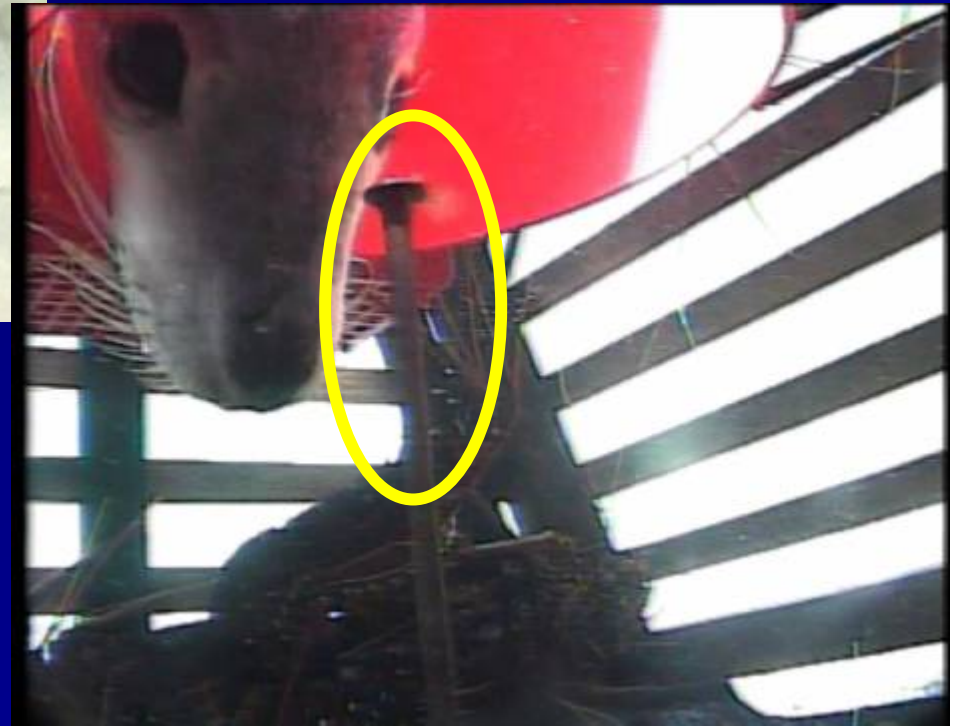
Risk based process systematically:

- **identifies and prioritises issues**
- **develops operational objectives**
- **determines what indicators need to be measured
and**
- **the level of management needed to achieve
acceptable performance**

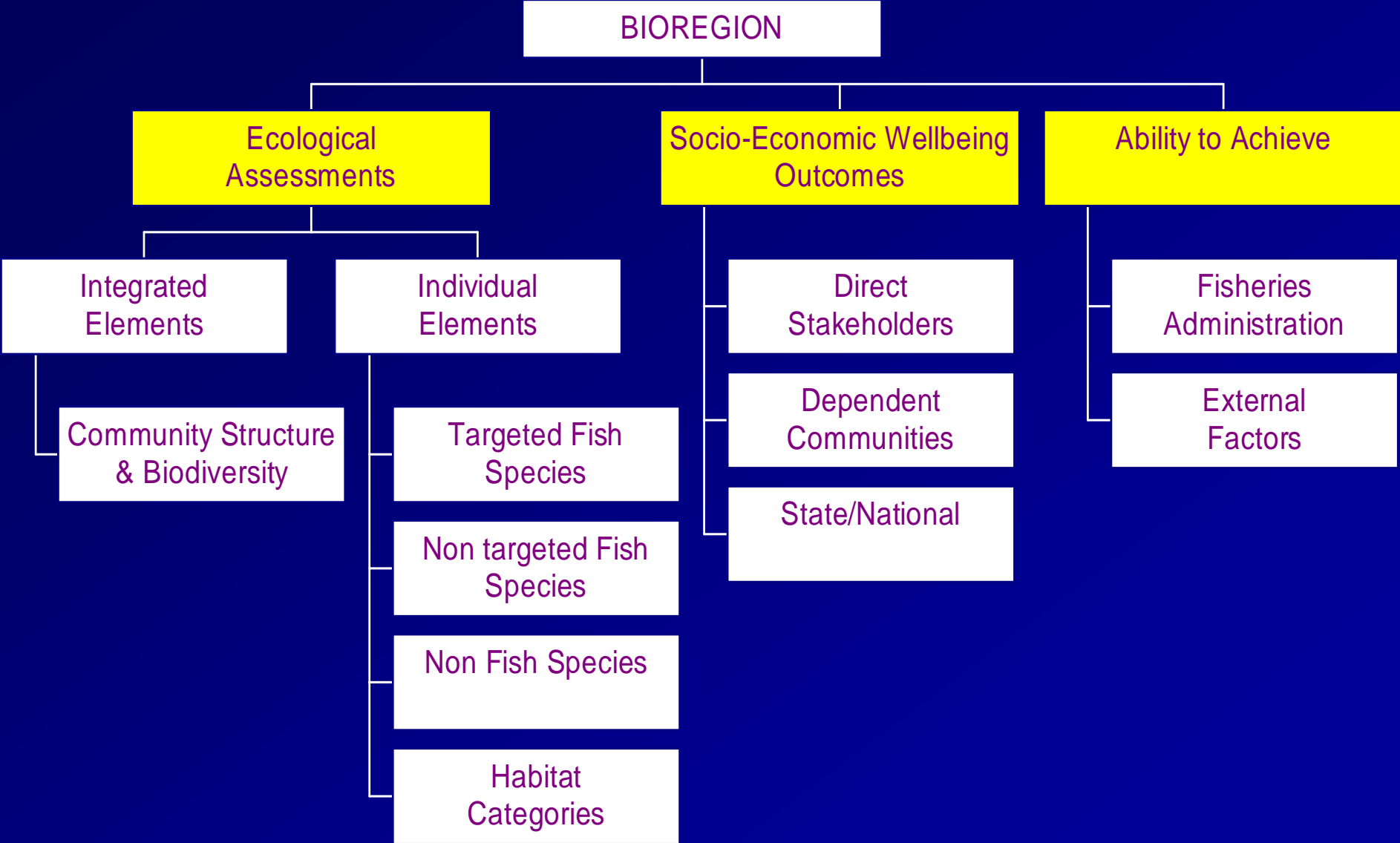
Relationships with other research & management





























EBFM Framework; Component Trees



Project outputs

- Bioregional level EBFM reports (values, risk assessments, generate case for additional work).
- Document loop analysis results that have assisted in clarifying the nature of links across major value streams
- Ongoing liaison (internal and external stakeholders)

Meetings/ workshops

- [-]  EBFM Steering Committee & other meetings
 - +  06
 - +  07 7 November (S Vieira)
 - +  07 10 May (External J Chesson)
 - +  07 12 October (Socio economic DoF)
 - +  07 13 August (all actions)
 - +  07 13 December (Risk Assessment)
 - +  07 16 November (Whole of Dept; PM, RF, TB)
 - +  07 17 October (internal)
 - +  07 19 September (Social J Sch)
 - +  07 20 February (establishment)
 - +  07 22 March (Component tree w/shop)
 - +  07 24 August (Assets)
 - +  07 31 August DEC DOIR Cw'th
 - +  08 1 July (Geraldton Region)
 - +  08 1 May (Internal)
 - +  08 3 & 4 July (Soc & Econ External)
 - +  08 4 June (Internal)
 - +  08 6 August (Internal)
 - +  08 26 March (External Ecol RA)
 - +  08 28 February (Senior Regional Managers)
 - +  08 31 July (Albany Region)
 - +  Regional meetings

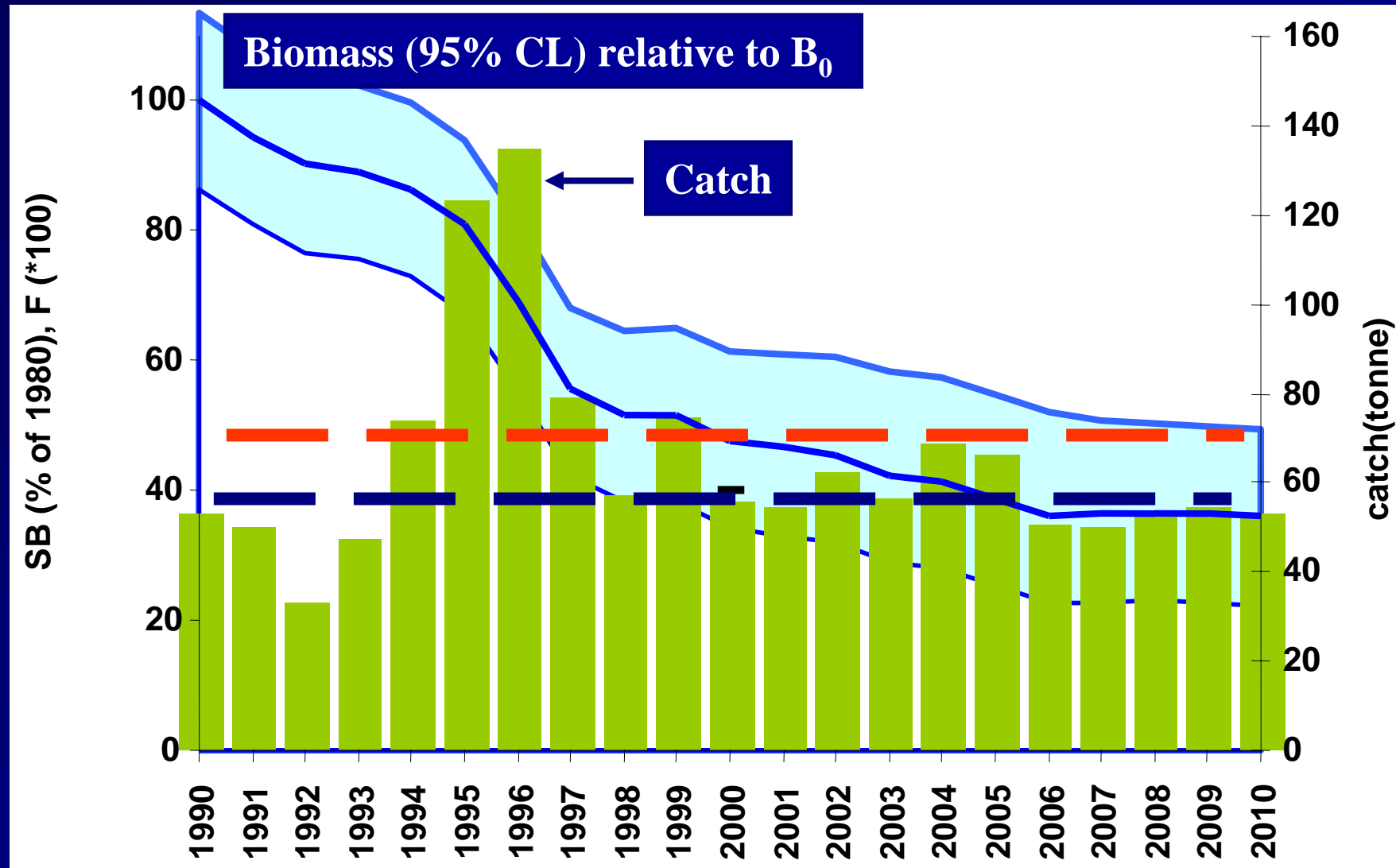
Meetings/ workshops presentations

- A Social Assessment of Coastal Communities Host...
- SOG Briefing on EBFM.ppt
- Rhy's comments on Rick's EBFM slides 17Oct06.ppt
- Corporate Film.mov
- WFO talk for SRFME symposium 22 Feb 2007 Com...
- js pagewash.ppt
- Js ebfm finfish.ppt
- Js W'shop presntnMarch07.ppt
- fish employment west coast.ppt
- EBFM Js W'shop presntnMarch07AIM.ppt
- Js ebfm IFM presntn April07.ppt
- Js Exmouth presntn May 07.ppt
- Js Exmouth presntn ReducedMay 07.ppt
- J Chesson DOF v1.ppt
- jsWest Coast DRAFT May 07.ppt
- Vicki data base 0807.ppt
- Js ebfm Invert Res Aug 07.ppt
- Eve B Marine Planning Aug 2007.ppt
- js P&A WAMSI & EBFM Sept 07.ppt
- JS NRM strat planning day.ppt
- ebfm template.ppt
- pm ebfm talk Nov 07.ppt
- pm ebfm end Nov 07.ppt
- tb EBFM nov 2008 mgt.ppt
- VG data base slides.ppt
- frdc_scan.jpg
- RL WAMSI Talk.htm
- SWAN CC Feb 08.ppt
- data base feb 08.ppt
- Js Regional Services Feb 08.ppt
- CEB Apr 08.ppt
- Regional Services GeraldtonJuly 08.ppt
- Node 4 Project 4.1 July 2008.ppt
- Node 4 Project 4.5.1 July 2008.ppt
- Regional Services Albany Aug 08.ppt

EBFM - potential changes

- Governance, management & policy:-
awaits completion of West Coast
Bioregion case study.
- “Closing the loop” – how might fisheries &
ecosystem management change?

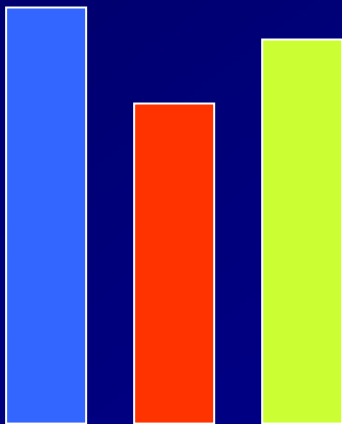
Changing scientific advice - 1



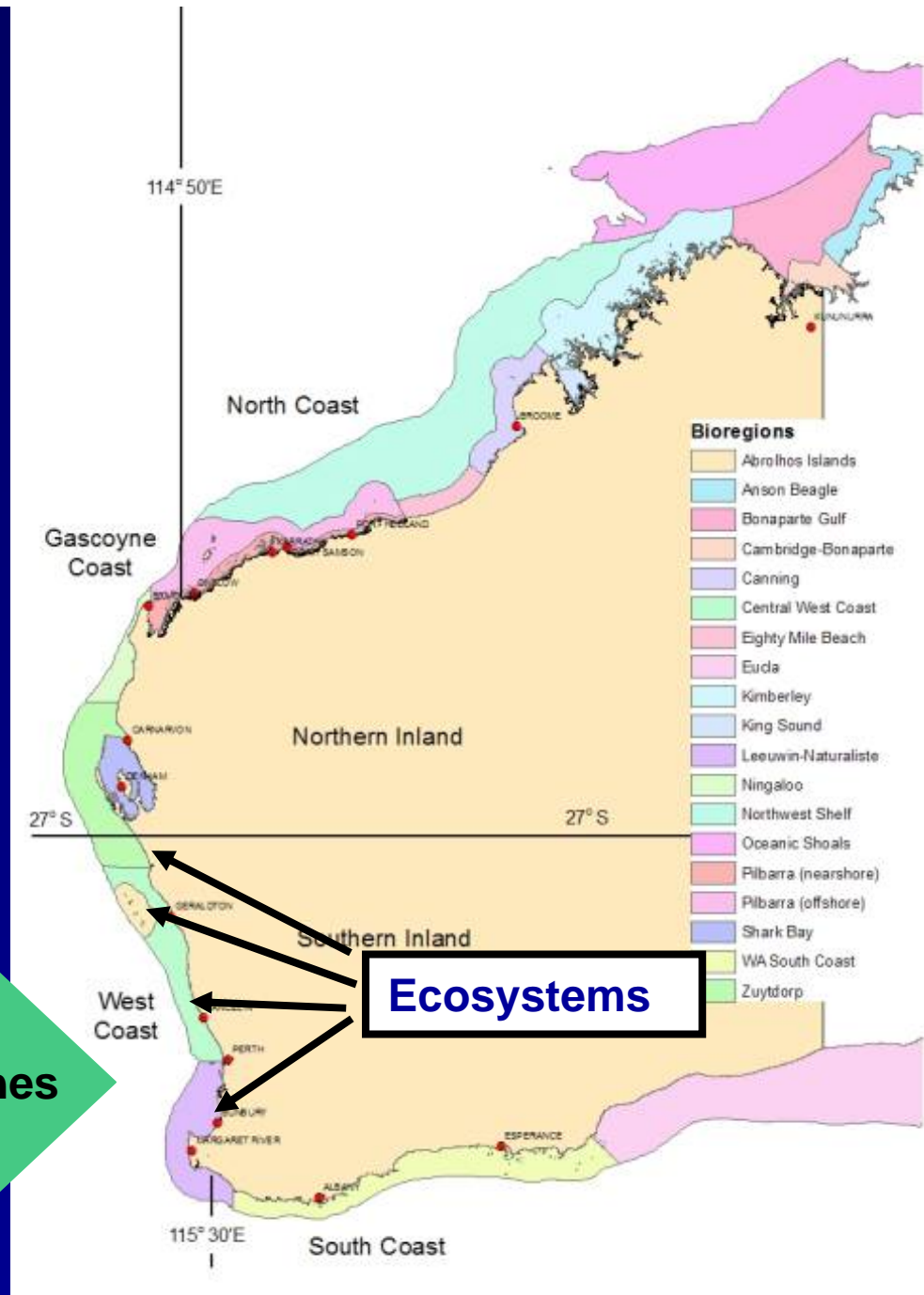
Changing scientific advice - 2

Fishery (Stocks)

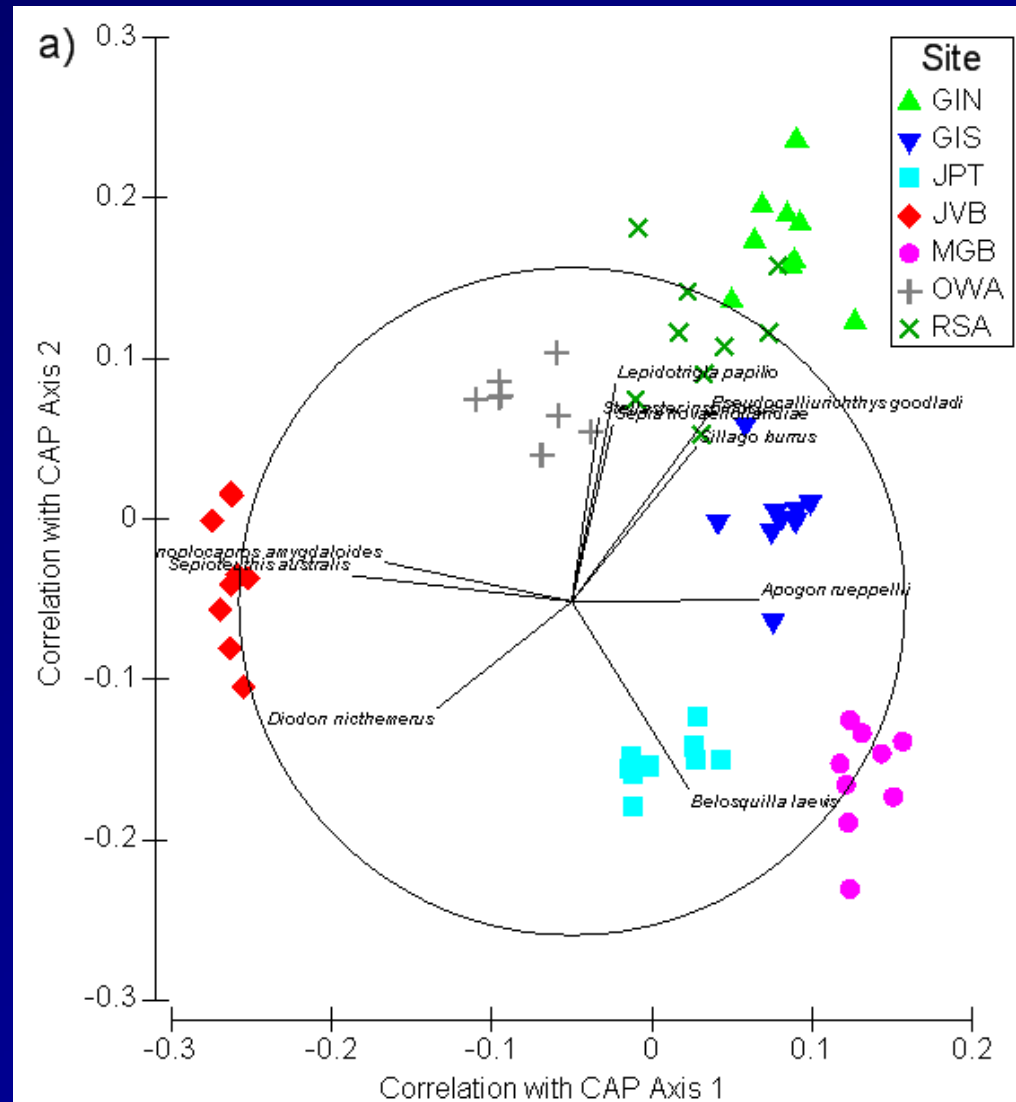
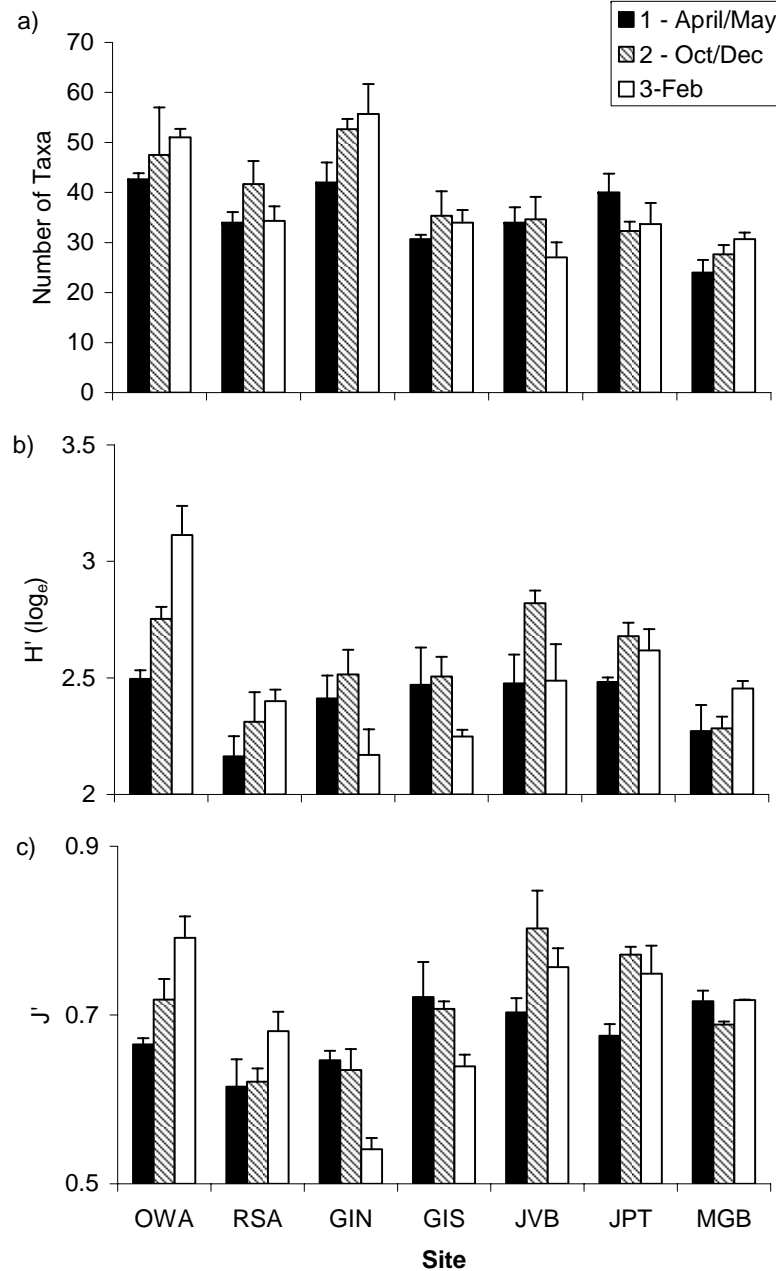
A B C



Cumulative catches



Why change advice?



Future Plans

- Complete draft EBFM report
- Complete “How To Guide”
- Provide input to Departmental case study of implementing EBFM
- Review
- Apply to other bioregions

RESPONSIBILITY

Traditional Fisheries Management
single-stocks,
single sectors

+ consideration of bycatch and other environmental concerns (by stocks)

Multi-sectoral management (explicit allocation)

EBFM - Multi-stock, multi-sectoral bioregional management

TIME

