An eResearch tool to support marine research, education and management

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Ocean observing (IMOS)

Data assimilating models (BlueLink)

Forecasting (Oceanmaps)

Images

netCDF
Challenge:

• Online access to information on ocean dispersal

• Rapid analysis – exploring uncertainties and trade-offs

• Flexible outputs – graphics, CSV, KML

• Minimal training requirements

→ www.csiro.au/connie2/ (Matlab, Python, Java)
Welcome to Connie2 — the Marine Connectivity Interface

Click a Region to Begin:
Release Period (dd/mm);
from: 

to: 

Years:
1993
1994
1995
1996
1997

Source: Sink:

Passive: Behaviours:

Dispersal Time (days): 

Depth: 5m

Final Stats: Cumulative Stats:

Colour Bar: Jet

Colour Bar Max: 100%
Where does Lord Howe water originate?
Montara oil spill (21 days)
Northwest Australia

Add wind (surface slick)
Row due east for 20 days
Row due east with wind
Conclusion

CONNIE - marine research
- education
- management

Attributes - online access
- rapid analysis
- minimal training

Future - integration with other eResearch
- tailored products for new applications
- global capability