

Proposal full title:

European

Basin-scale Analysis, Synthesis and INtegration

Proposal acronym:

EURO-BASIN

Type of funding scheme: Collaborative project; Large Scale Integrated Project

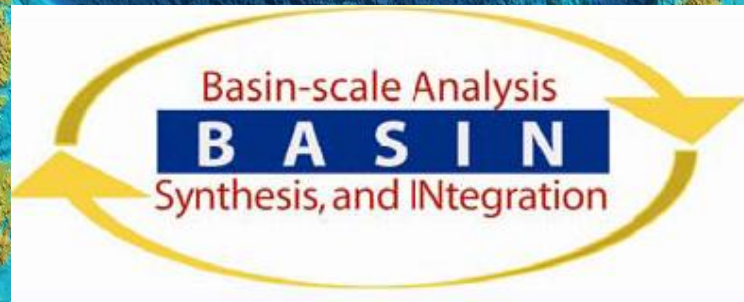
Work programme topics addressed:

**ENV.2010.2.2.1-1 North Atlantic Ocean and associated shelf-seas protection
and management options**

Name of the coordinator: Michael St John

BASIN

Resolving the impact of climatic processes on ecosystems of the North Atlantic Basin and shelf seas: Integrating and advancing observation, monitoring, and prediction



A proposed joint International program developed by

Canada: Brad De Young; Pierre Pepin;

US: Peter Wiebe; Cisco Werner; Jon Hare

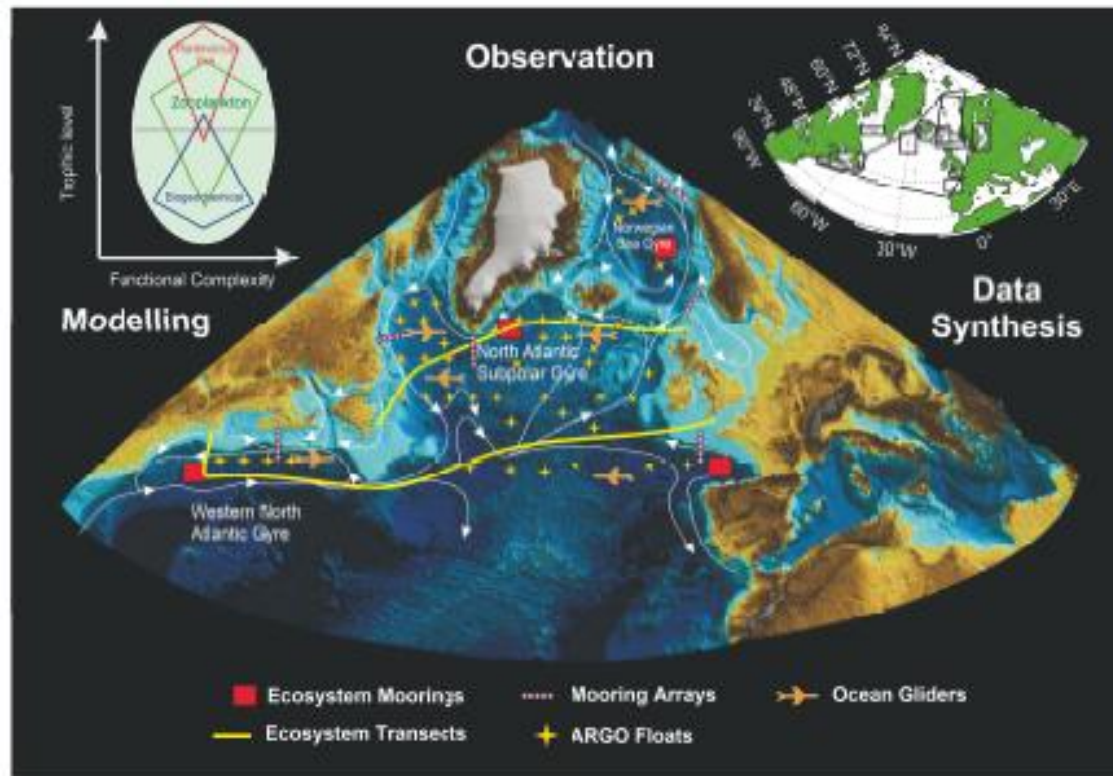
EU; Roger Harris; : *Mike St. John*



BASIN: Basin-scale Analysis, Synthesis, and INtegration

An international programme to resolve the impact of climatic processes on ecosystems of the North Atlantic basin and shelf seas

Science Plan and Implementation Strategy



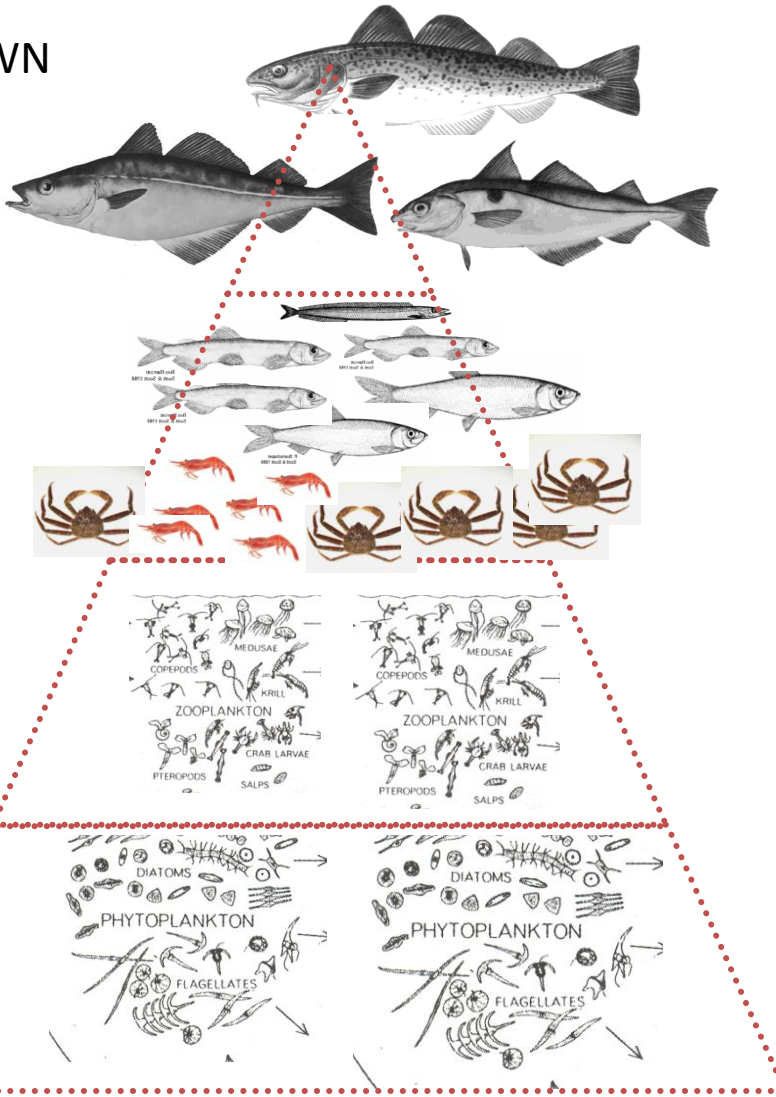
PROJECT OBJECTIVES:

Scientific Objectives: The overarching objectives of the EURO-BASIN initiative are to:

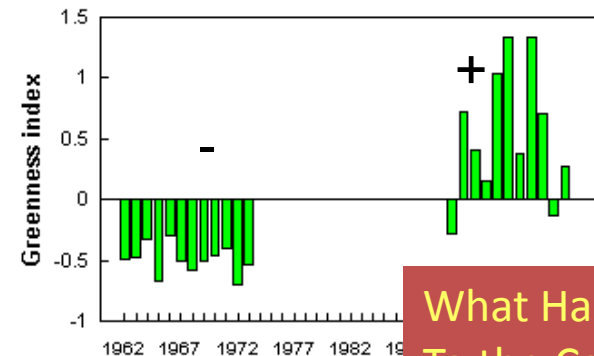
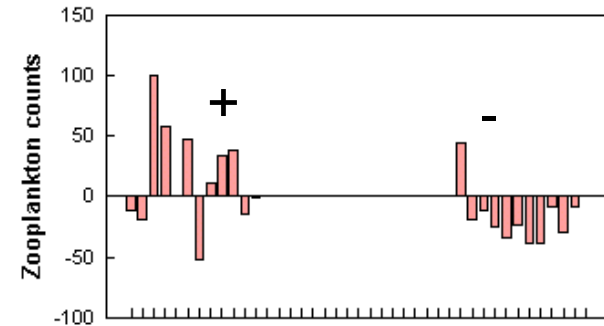
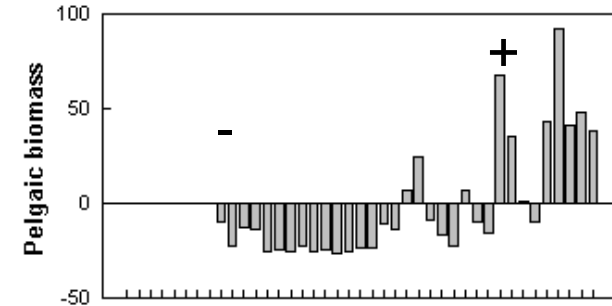
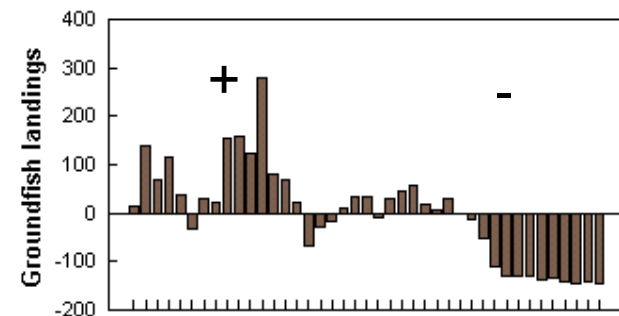
- i) Understand and predict the population structure and dynamics of broadly distributed, biogeochemically and trophically important plankton and fish species of the North Atlantic and shelf seas.
- ii) Assess the impacts of climate variability on North Atlantic marine ecosystems and their goods and services including feedbacks to the earth system.
- iii) Develop understanding and strategies that will contribute to improve and advance management of North Atlantic marine ecosystems following the ecosystem approach.

Trophic Cascade

TOP DOWN



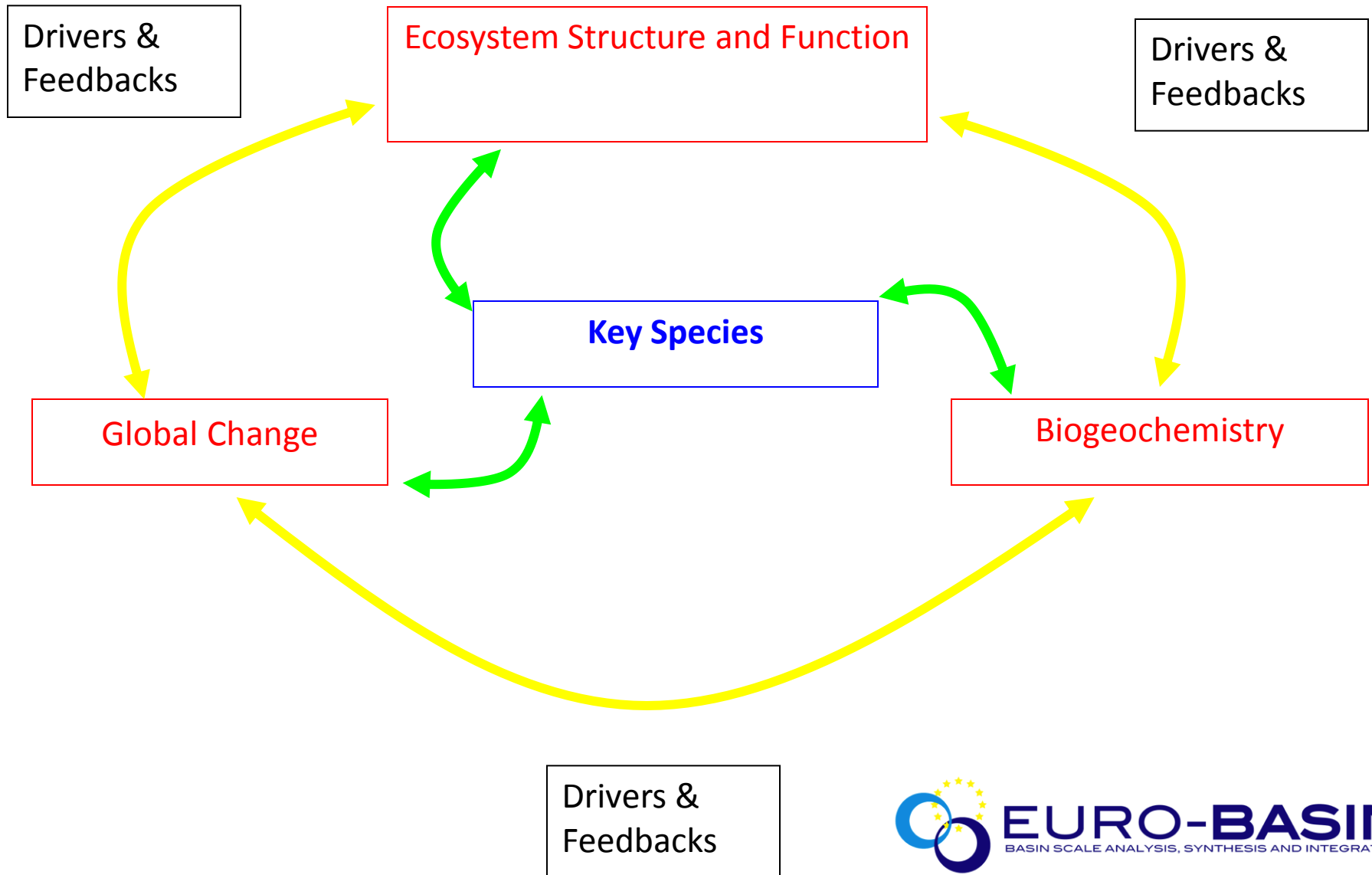
BOTTOM UP



Scotian Shelf, Frank 2005

What Happens
To the Carbon ??

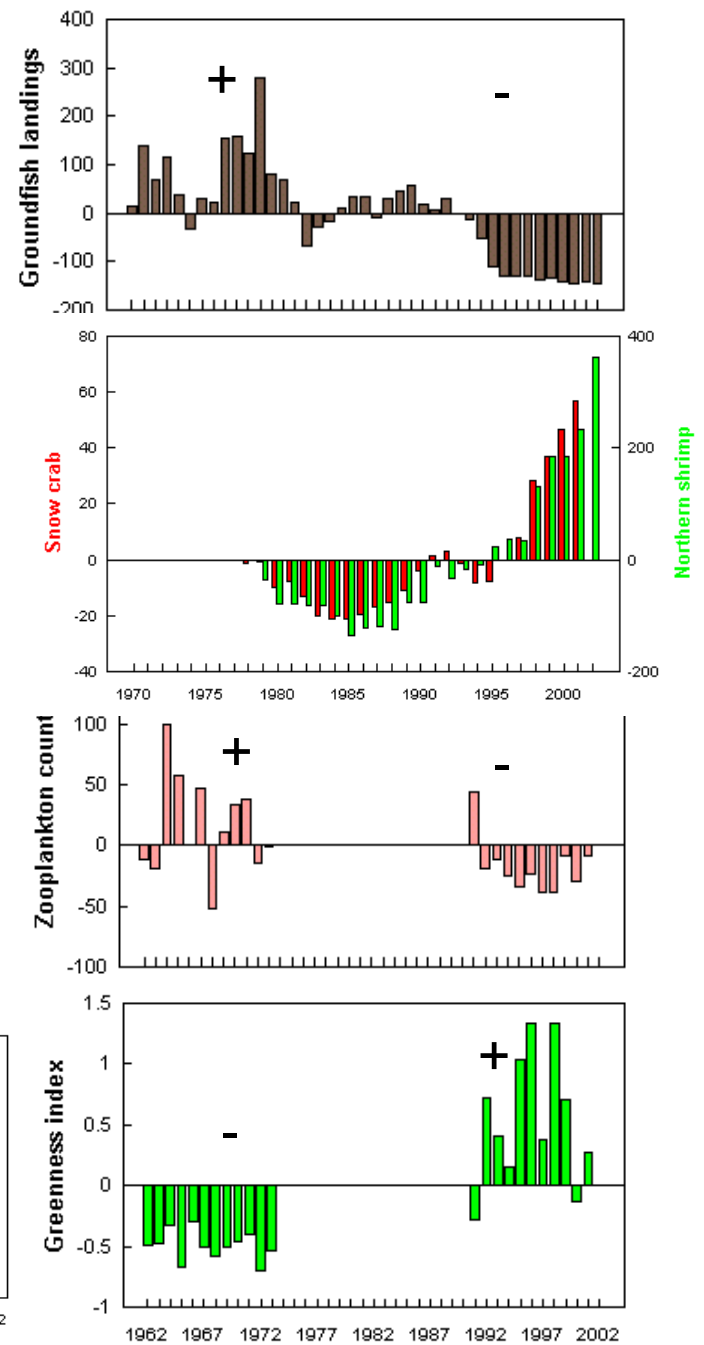
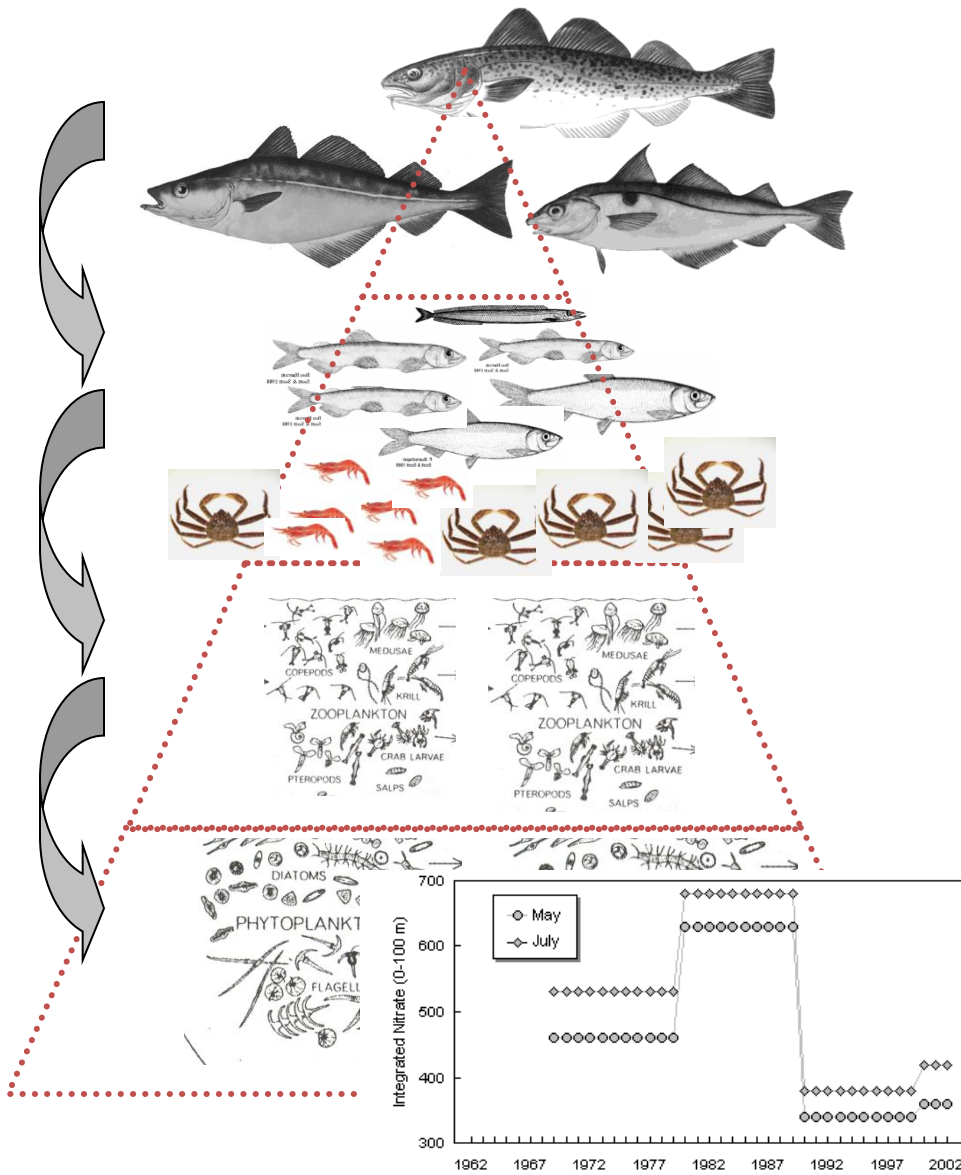
EURO-BASIN aspires to close the loop



Fostering International Collaborations with US & Canada in Ocean Sciences.

Venue & Date: European Commission, Brussels, 29-30th Sept, 2011

- Full meeting report straw man mechanism proposal
- organised by EURO-BASIN and the EC towards a common funding strategy for solving regional issues on ocean sciences.
- The workshop was attended by NSF, NOAA, DFO-Canada & EC Directorate representatives. [Summary & more information ...](#)



case study