

# WP5 - Marine Operators' Workshop

- **Aim is:**
  - To determine operational end-users' requirements for information derived from altimeter data.
- **Already have input from:**
  - EuroGoos users survey (Fischer and Flemming, 1999)
  - User Requirements from "COMKISS" programme (2000)
  - "Operational Oceanographic Needs for the Offshore Oil and Gas Industry" - Grant and Shaw (2001)
  - "SEAROUTES" EC Framework 5 Project
  - Contributions to ESA/ESTEC "Innovative" altimeter study.
  - Various informal discussions with offshore operators

# WP5 Workshop - 1

- **Planned for 19th May,2003 (to be confirmed), in Stavanger.**
  - **Alongside OGP “Joint Industry Project” week.**
  - **Intelligent users from Offshore Oil and Gas industry, and organisations providing services to that industry.**
  - **Participants from influential sector with sophisticated requirements**
    - **Sea state, directional and spectral wave information**
    - **Surface and sub-surface currents**
    - **Real time, short term forecasts, climatological information**
    - **Already make use of in situ information, wave models and local ocean circulation models (e.g. in Gulf of Mexico), and satellite data**
- **Hope to invite users from outside OGP.**
  - **Value adders, Fast Ferry Operators, Trans-ocean merchant shipping and towing, Heavy Lift operators,...**

# WP5 Workshop - 2

- **Provisional Title**
  - **“Future Provision of Surface Current and Sea-State data from Satellites”**
- **Initial Outline Agenda**
  - **Presentations from Data Providers - focussing on accuracy, resolution, timeliness of satellite derived data sources .**
    - **Present Data Availability.**
    - **2005-2010 and beyond.**
  - **Future Operations and User Requirements.**
  - **Discussion to identify priorities.**

# WP5 Workshop - 3

- **Presentations from Data Providers**
  - **Emphasis on accuracy, resolution (time and space), and “timeliness” of information derived from satellite data**
  - **Present Data availability**
    - **Satellites: GFO, JASON-1, TOPEX/Poseidon, ENVISAT, ERS-2**
    - **Systems using operational ocean circulation models with assimilation: e.g. MERCATOR and/or DIADEM/TOPAZ**
  - **After 2005?**
    - **JASON-2, NPOESS,.....**
    - **New Satellite Technologies - Wide Swath Altimetry, SWIMSAT, Microsats, GPS reflectometry, Bistatic Altimeters,.....**
    - **Higher Resolution (regional) Models?**
    - **New data centres (e.g. MERSEA?)**

# WP 5 - After the Workshop

- **Draft report by end of May 2003 on:**
  - **Offshore Operator User Needs for sea state and surface current data.**
  - **Initial assessment of ability of existing and planned resources to meet this need.**
- **Circulate to Steering Group, GAMBLE management team and other interested users.**
- **Revise and complete by end of June.**