C-RISe Training and Capacity Building

- Aim: develop local capacity to use coastal altimetry data on sea level, wind and waves, in combination with other data sets and information sources.
- Mechanisms:
  - Support local validation of C-RISe data
  - Support for use case development
  - Open source tools data analysis
  - Training courses in Madagascar and Mozambique
  - Distance learning tutorials based on use cases

Support for data validation

- Provide open source (Python?) tools for QA and analysis of sea level data
  - Comparison of tide gauge and altimetry data
- Training course 1 (~ Nov. 2017)
  - C-RISe introduction, data analysis and validation
  - Hand-on tutorials – developed with locally available data?
  - Follow on with supervised analysis of local data
- Tutorials, tools and supporting documentation available on website

Things to consider

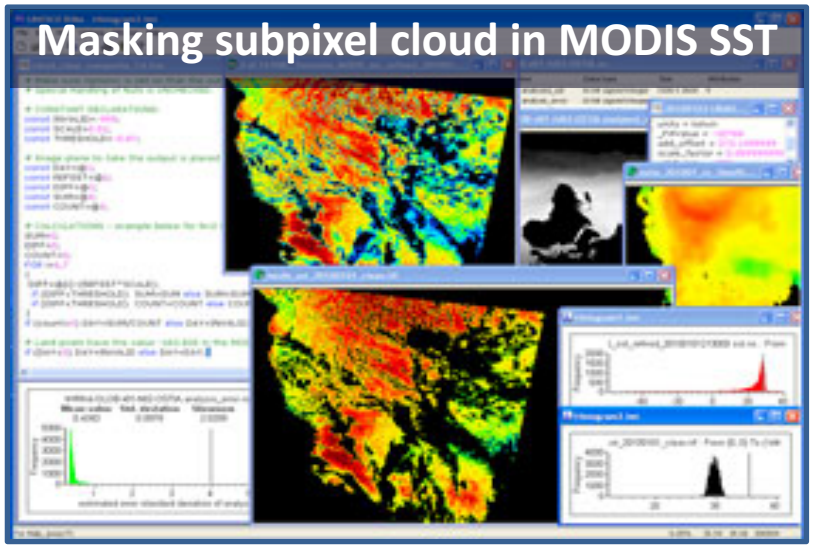
- What TG data is available for validation?
  - Location rel. to altimetry tracks
  - Length of record, frequency, data quality
- Models for corrections etc.
- Who will be involved?
- Existing analysis tools
  - What can C-RISE provide?

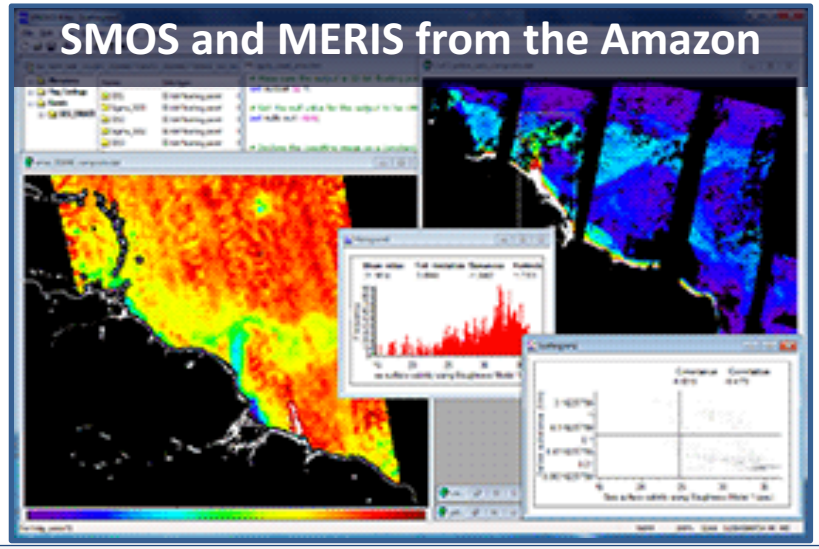
Support for use case development

- Training course 2 (~Mar 2018)
  - Training to apply satellite data to coastal risk.
  - Hands-on use of open source tools to support implementation of Use Cases
- Development of Bilko software and tutorials
  - Support for C-RISe data
  - Support for Sentinel-1, 2 and 3 data

The Bilko software

- Interactive image processing and analysis software
- Free to registered users
- Support for common data formats including:
  - Envisat AATSR, ASAR, MERIS and RA-2; ERS, SMOS, CryoSat
- Powerful 'formula' tool for your own processing routines.
- Batch processing
- New software additions to support CRISe use case development





Things to consider

- Details of the individual use case
  - Objectives, end users, what information do they want
  - Who will develop the use case and how?
- Data required for use case development
  - C-Rise data
  - Local data / data sources
  - Other data (including satellite) from global archives
- C-Rise support for use case development
  - What tools, documentation other info is needed?
  - What are the training requirements / how to design training courses and on-going user support

Wider training activities

- Show and tell at a regional conference
  - Presentation of the use cases
  - 1-day hands-on training course using short tutorials based on examples from the Use Cases
- Four distance-learning tutorials on-line
  - One for each use case
  - Providing all necessary example data,analysis tools and background
  - Available from the CRISe and Bilko web sites