



Background & Objectives

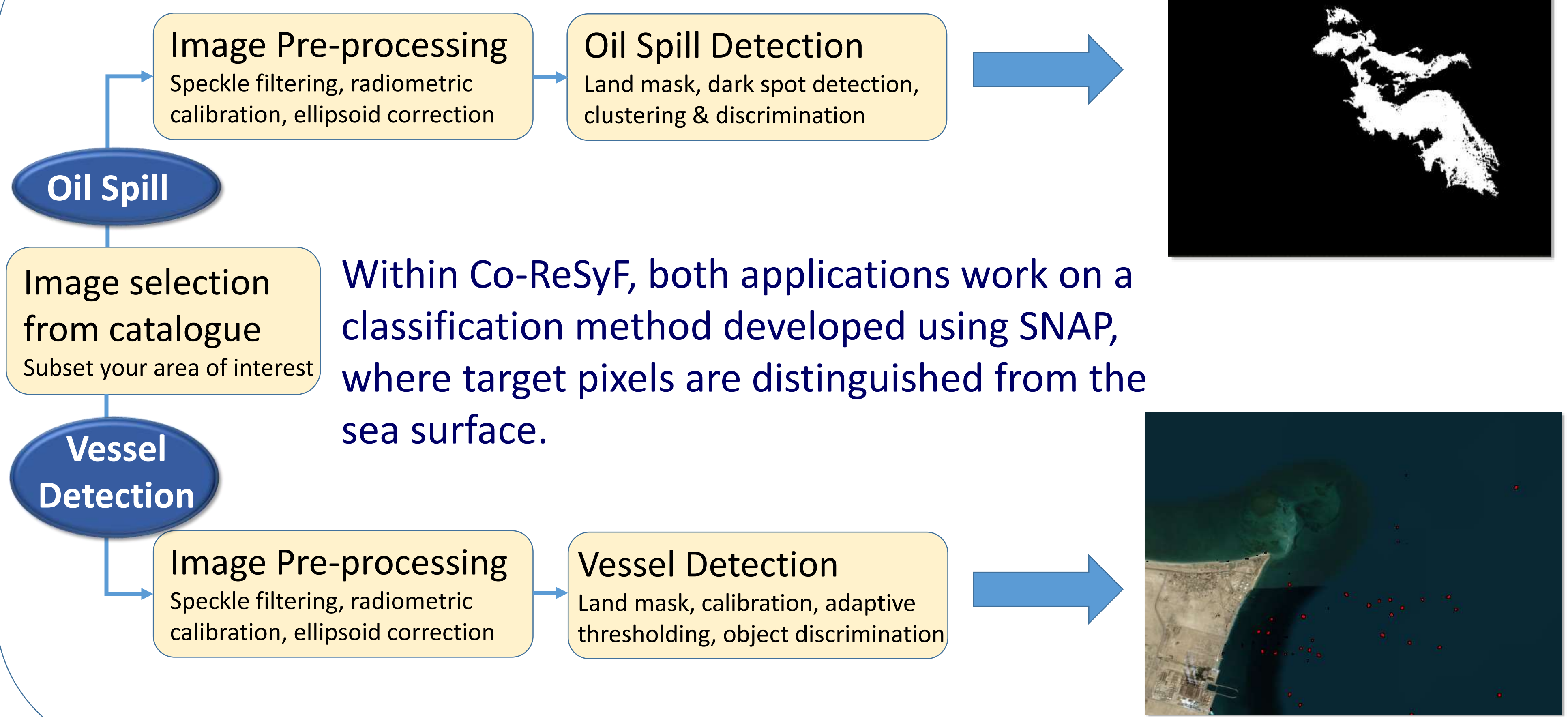
The increasing interest in maritime surveillance and the development of improved SAR systems, has led to extensive scientific research aiming at the best exploitation of the SAR information.

These two applications aim to further enhance maritime safety and security and monitor coastal environmental issues

Key Attributes

- ✓ Based on Sentinel-1 SAR data
- ✓ Easy catalogue search & access
- ✓ Subset images for efficient processing
- ✓ Includes all pre-processing steps
- ✓ No in-situ data required
- ✓ Choice of parameters
- ✓ Provides easy to use shapefile outputs

Methodology



Key Results

- ✓ Data and processing tools in one place!
- ✓ Shapefiles of detected vessels and oil spills



Example Applications

- ✓ Search and Rescue
- ✓ Monitoring illegal activity
- ✓ Maritime Domain Awareness
- ✓ Oil pollution source monitoring
- ✓ Fisheries management
- ✓ Joint use of applications to identify source of oil spills