

Review of phase 1

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Phase 1 overview

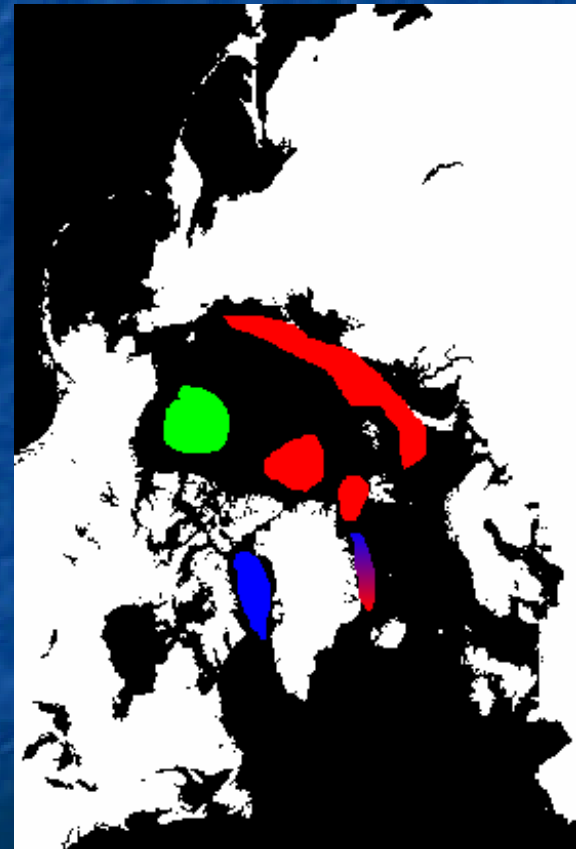
- Preparations, day 0 tools
 - Radiative transfer models
 - MWMOD
 - Arts
 - Ku band wind model function
 - NSCAT 2
 - Sea ice concentration algorithms
 - NASA, NASA2, Bootstrap, NORSEX, CALVAL, Bristol
 - Svendsen near 90Ghz, ASI, Sealion
 - Scatterometer ice type detection schemes
 - SAF revised ice type scheme
 - Thin ice detection scheme

Phase 1 overview

- Preparations, day 0 tools, continued
 - Synergistic ice conc. algorithm
 - Grandell 1999
 - Day 0.5 (presented by Rasmus Tonboe)
 - SSM/I and Quikscat data (TBD)
 - DMSP F-14 SSM/I swath data 2001-2002
 - Total volume (global data) 43 GB
 - Seawinds level 2A 2001-2002
 - Total volume (global data) 73 GB
 - Validation strategy
 - Available/AO data, IOMASA purchases
 - ASAR Scenes identified from May 2002- Dec 2003
 - RGPS data available from Nov 1996 – May 1999

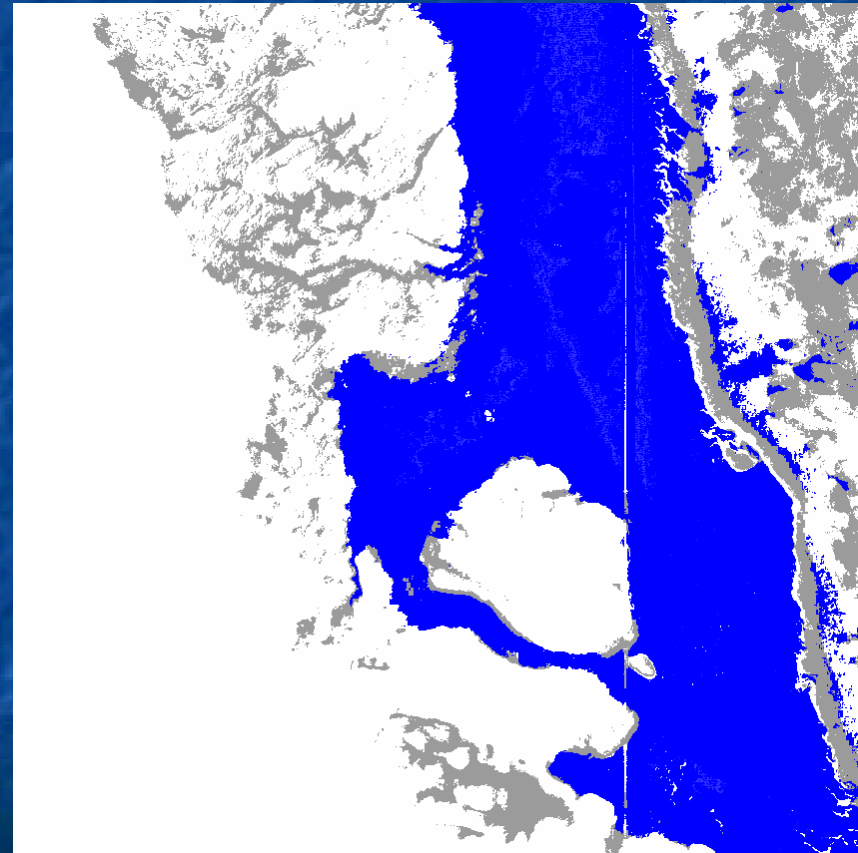
Validation planning

- Geographical coverage
 - 5 main areas ■■■
 - ~Once per month
 - 1 reduced priority ■■
 - Once per 2 months
- Data sources
 - Envisat AO scenes ■■■
 - 170 (Assist)
 - 311
 - 1270 (Cryosat)
 - Ice service scenes ■■
 - 29 k€ for IOMASA scenes
 - Contingency
 - Dual polarisation



Radarsat classification example

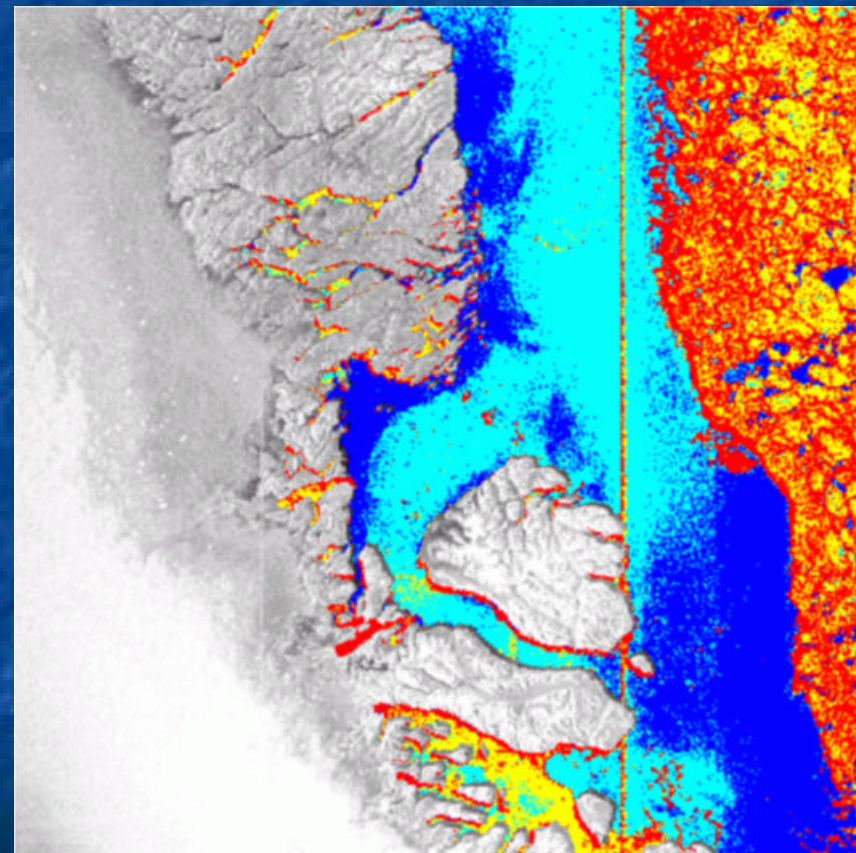
First results from neural network approach adapted to Radarsat



Original ERS code contributed by Lars Kaleschke, IUP

Radarsat classification example

Fuzzy logic classification



By Rashpal Gill, DMI