Projekt

Automatisk inläsning av bilder från mapp Användaren väljer, sparar alla tif bilder i en cell-array.

FFT med automatiska polygoner för att eliminera periodiskt brus i alla bilder fungerar inte , eftersom polygonerna hamnar på olika positioner i bilderna (beror troligen på att vi använder olika band.. 4/5) Hårdkodning för varje bild.

Contrast stretching  
 körde imsharpen – default parameter  
 imadjust – default parameter (behöver förmodligen ändra threshold values)

# Introduction

The Peace River Regional district in British Columbia, Canada has been damaged by several floods in the last few years. These floods are caused by the summer downpour, in 2011 a 150 mm of rain fell in north-eastern British Columbia in a few days, hundreds of homes were damaged, wells become polluted and the main highway in the area was washed out in several places. Disasters have occurred in 2011, 2013 as well as 2014 and there is reason to believe that similar floods could occur again. The objective of this project is to visualize which areas are at risk using Landsat 7 satellite imagery and extracting the river boundaries year by year. The result should help visualize the flooding in time space which will make it possible to monitor the changes of the river basin.

# Method

Wtf method lyk

# Result

Da pretty part

# *Discussion*

*Discuss da shitty yolo stuff.*

*Discussion on Landsat 7 imagery and a motivated choice of band/bands. Accurate and motivated pre-processing is done. Modification of Canny edge detector is described & motivated.  
The algorithm with all the steps is described*.

Discuss possible improvements.