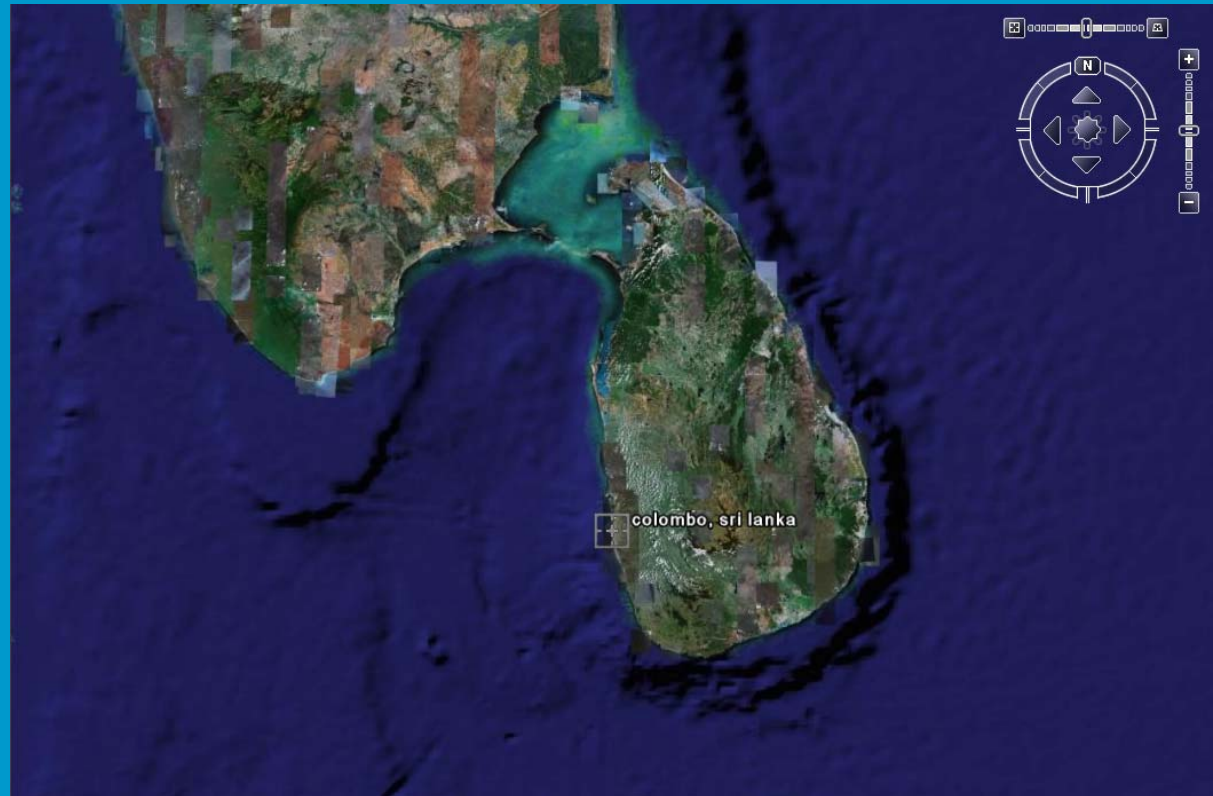


Exercise Breakwaters

The new south harbour of Colombo, Sri Lanka



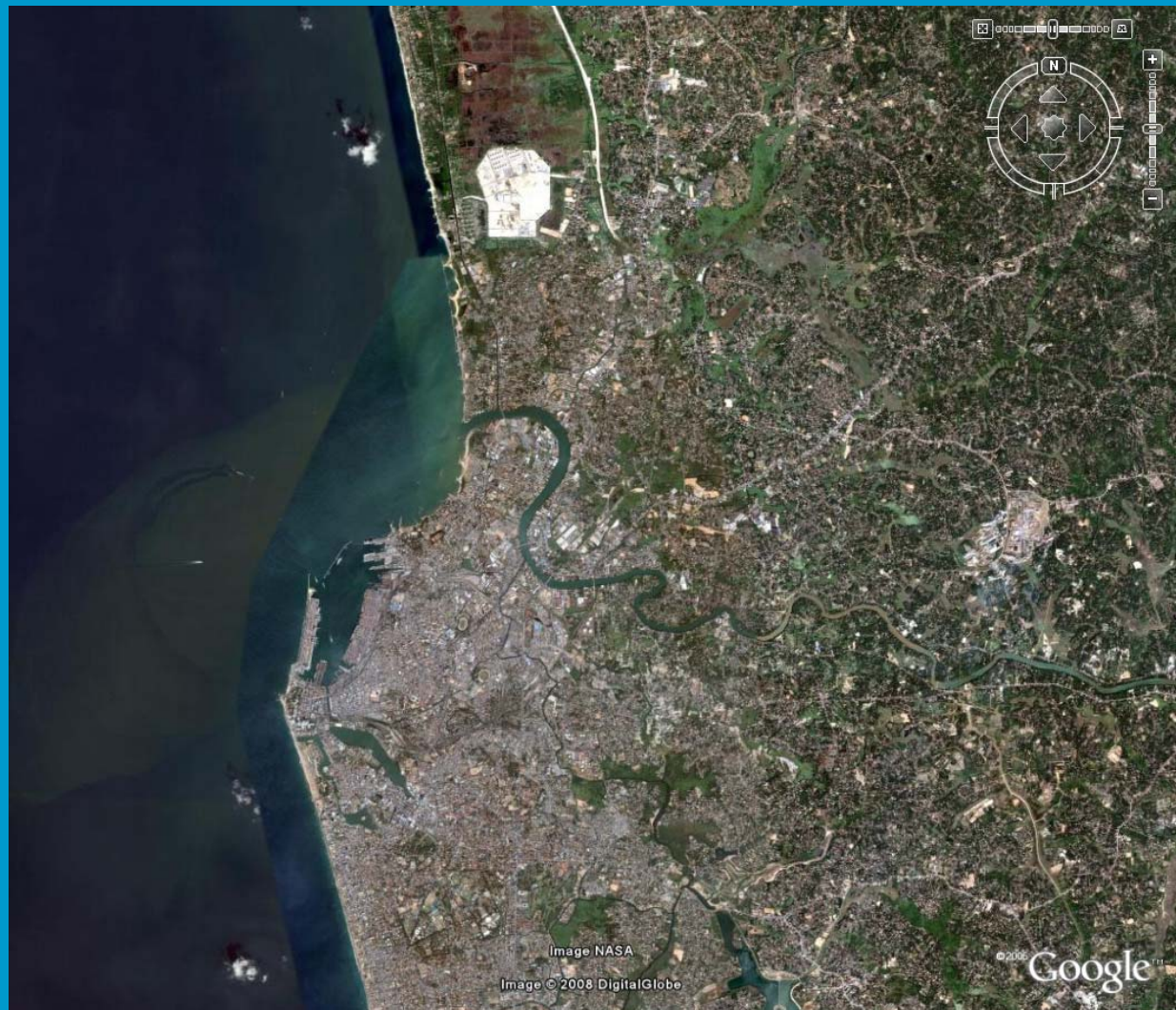
ct5308

H.J. Verhagen

May 3, 2012

1

Colombo



May 3, 2012

2

South Harbour tender

- Tender issued in 2007
- Sheets from information meeting
- More alternatives
- Not given in this exercise (but given to contractor):
 - Boundary conditions (wave conditions)
 - Designed cross section
 - Laboratory investigations

Source of wave data

- From “Global wave statistics”
- From Argoss:
 - www.waveclimate.com

Topgraphy - Bathymetry

- Always start with Google Earth
 - False colours
- Overall map to be found on digital nautical maps in map room (faculty of Architecture)
- Detailed map is handout (and on blackboard)

real
false



May 3, 2006

Software

- Breakwat: On citg network only
- Cress: On citg network + own download
- Swan: Own download only
- VaP: On citg network + own download
- Overtopping: On-line computation via www.overtopping-manual.com

Software downloadable from:

- Blackboard
- www.kennisbank-waterbouw

Spreadsheets downloadable from Blackboard (student docs, lecture supplement)