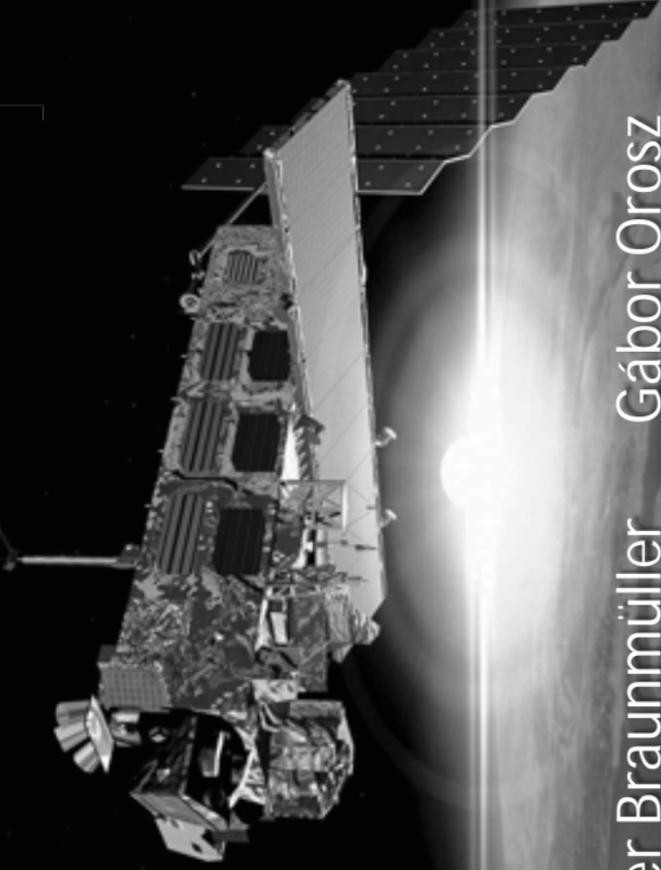


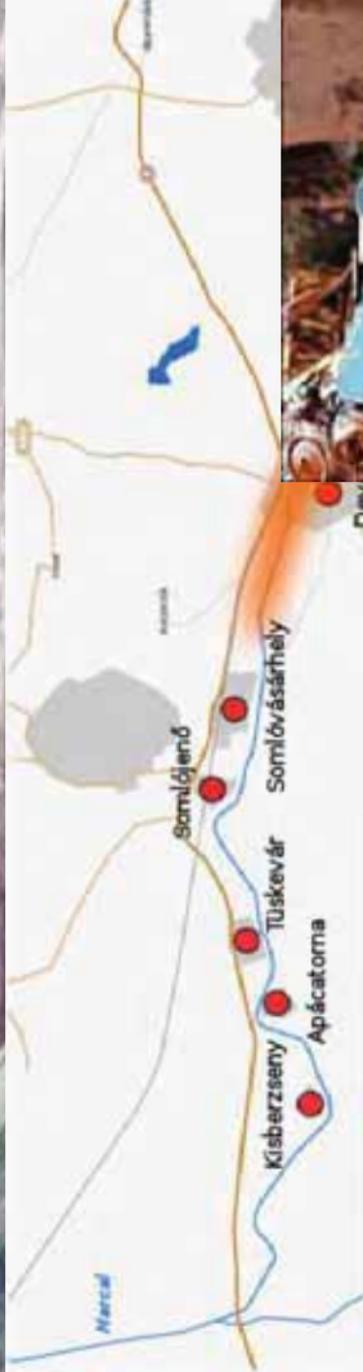
The basis of Synthetic Aperture Radar Interferometry in Hungary



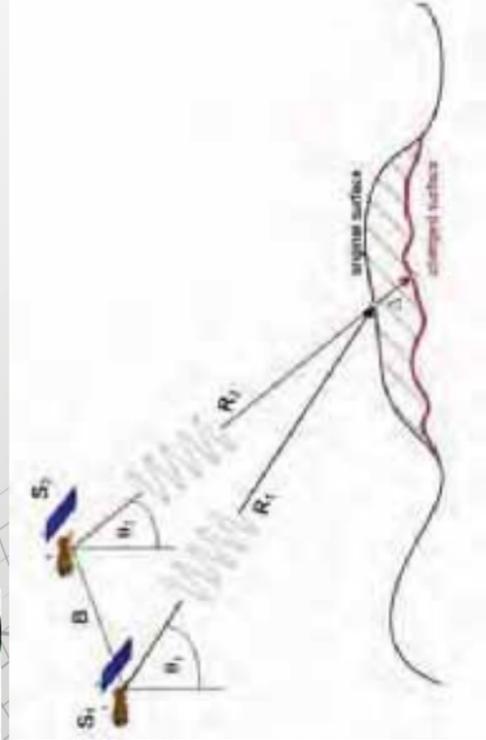
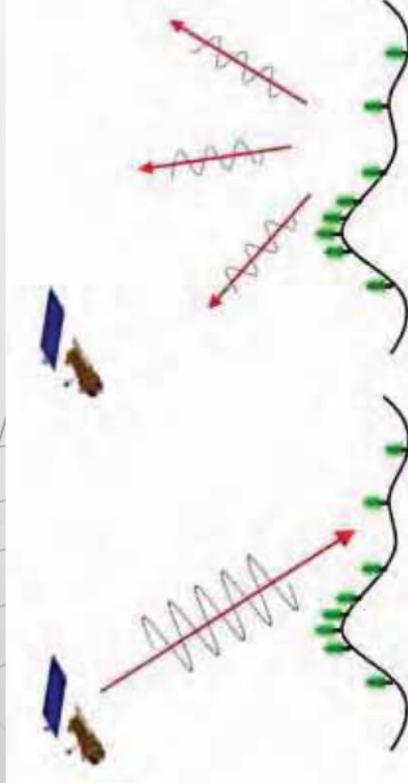
Péter Braunmüller Gábor Orosz

Budapest, September 28, 2011

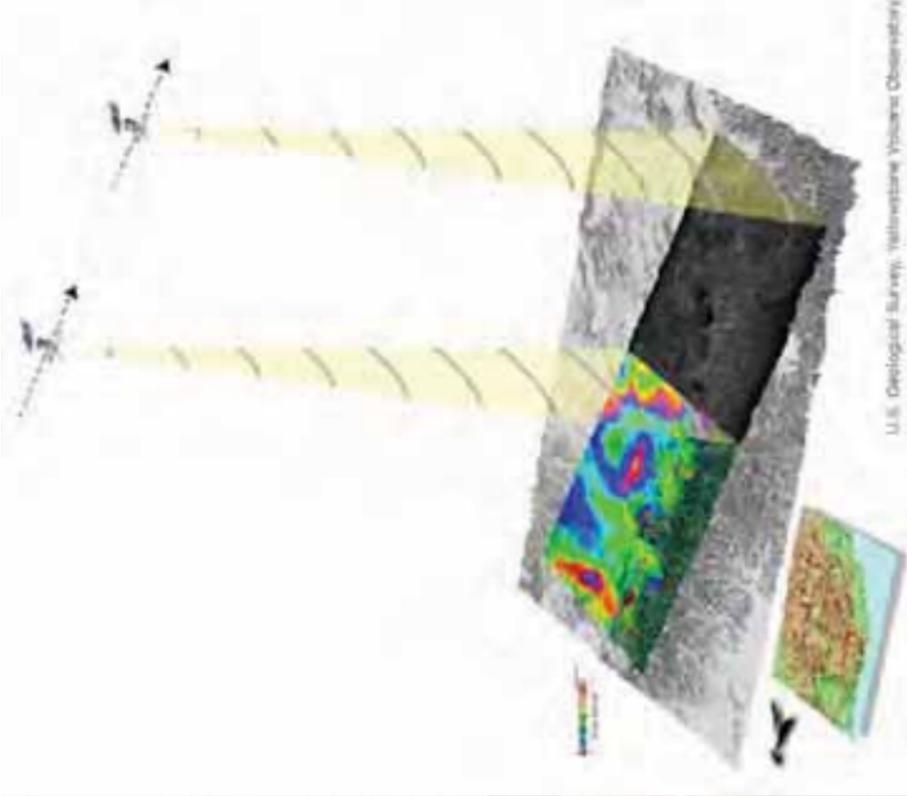
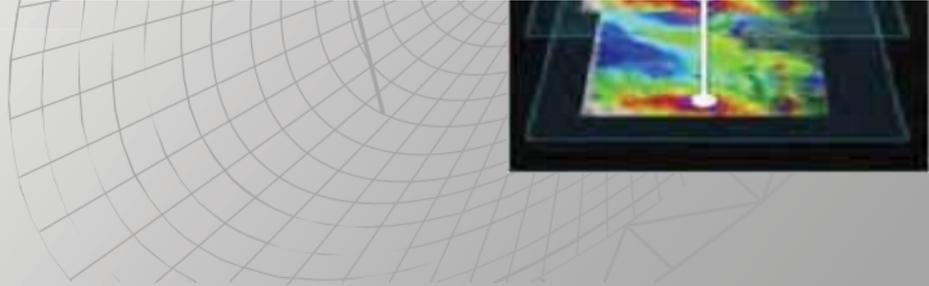
Hungarian toxic sludge spill



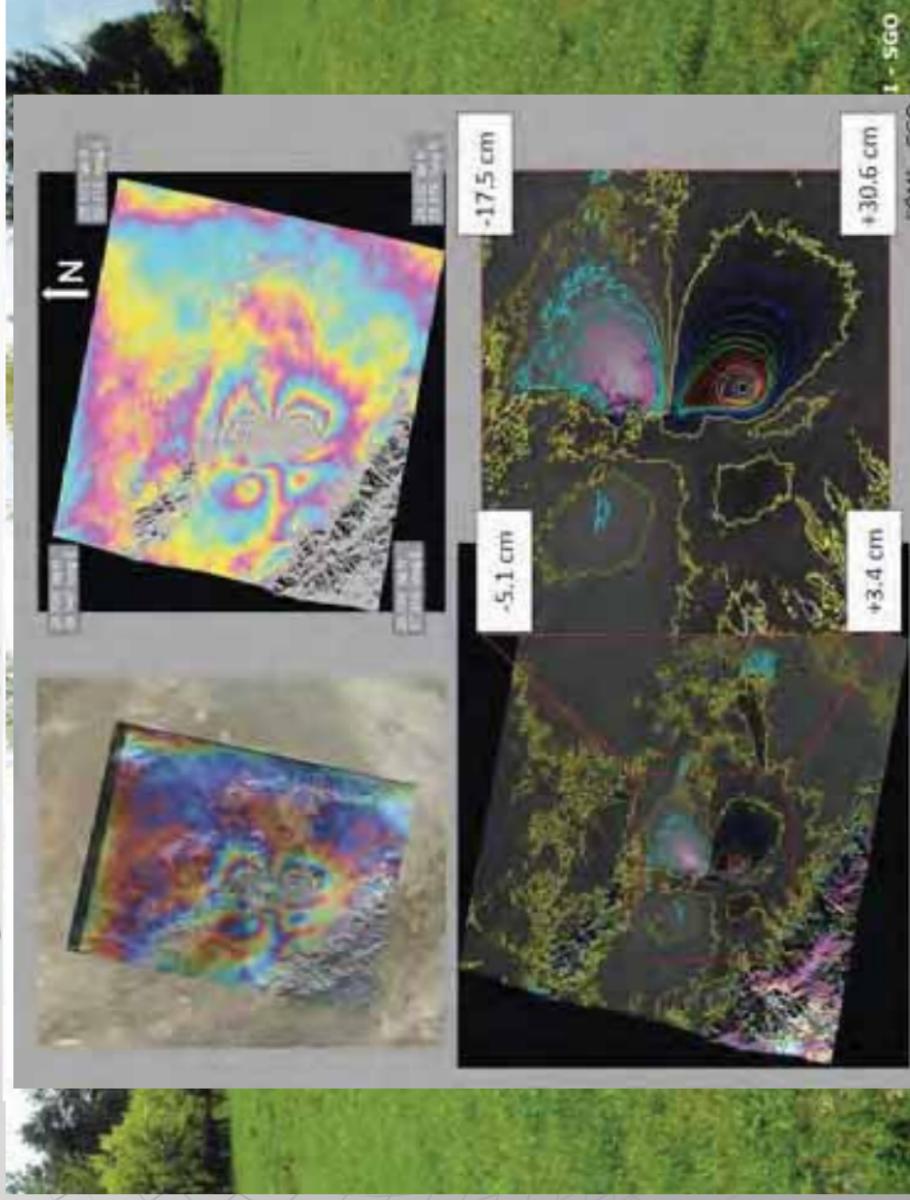
The InSAR technology



The InSAR technology

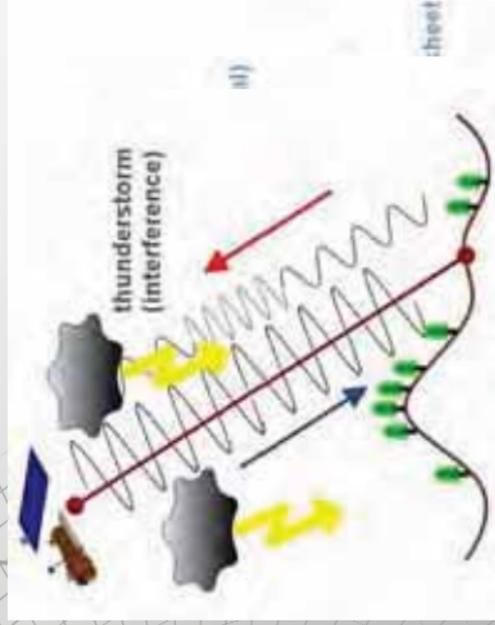
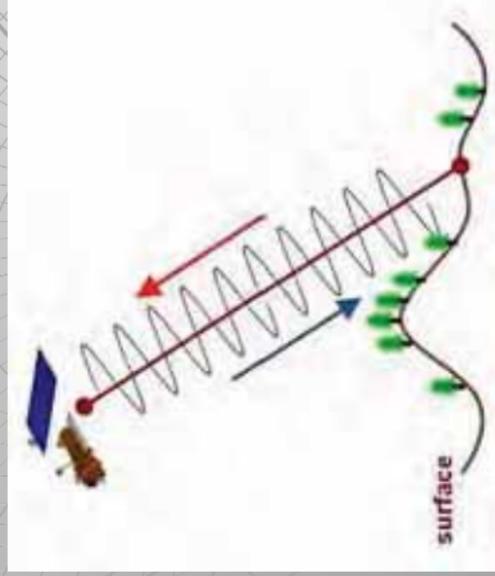


Hungarian applications of InSAR



Atmospheric error sources

- ◆ Snow coverage
- ◆ Snowing
- ◆ Thunderstorms



Database creation

DESCW

(Display Earth Remote Sensing Swath Coverage for Windows)

← Track-frame

© ESA - EumImage

Time	Lat	Long	Band	Value
10:00	50.00	0.00	1	1000
10:01	50.01	0.01	1	1001
10:02	50.02	0.02	1	1002
10:03	50.03	0.03	1	1003
10:04	50.04	0.04	1	1004
10:05	50.05	0.05	1	1005
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10:07	50.07	0.07	1	1007
10:08	50.08	0.08	1	1008
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10:11	50.11	0.11	1	1011
10:12	50.12	0.12	1	1012
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10:49	50.49	0.49	1	1049
10:50	50.50	0.50	1	1050

Why is it useful?

- ◆ Fast browsing of available data
 - ◆ A good base for fast determination of image quality
 - ◆ Reducing costs, saving money
- The price of one image: 400 €**



Thank you for your attention!

ORDER NUMBER	42
OPERATOR	000-1
Product Type	0100
ORDER	1000
Frame	0000
Registered Start Time	20-00
Registered Stop Time	0100
Blending Depth (mm)	3
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Supplier (Country)	000-0
Processing Time	20-00
Image Acquisition	0000
Frame Classification	0000

