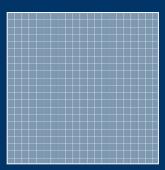


Polar View Snow Service – Central Europe











Beobachtung der Schneedecke mit ENVISAR ASAR Beispiele 2011



22. März 2011 Int. LARSIM Anwenderworkshop LUXEMBURG

Florian Appel

VISTA Geowissenschaftliche Fernerkundung GmbH, München www.vista-geo.de

Der Beitrag von VISTA zu Polar View











- ❖ Snow Cover Monitoring Central Europe Vista erstellt und aus optischer Fernerkundung (NOAA&METOP-AVHRR) und Mikrowellen/SAR Daten (ENVISAT ASAR)
 - Operationelle Karten zur Schneedeckenausbreitung
 - Informationen zur Verteilung von Nass-Schnee
 - Zusätzliche Produkte aus dem Zusammenspiel mit Modellierung: Schneewasser-Äquivalent
- Snow Service Coordination
- Snow Service Portal www.snowsense.de





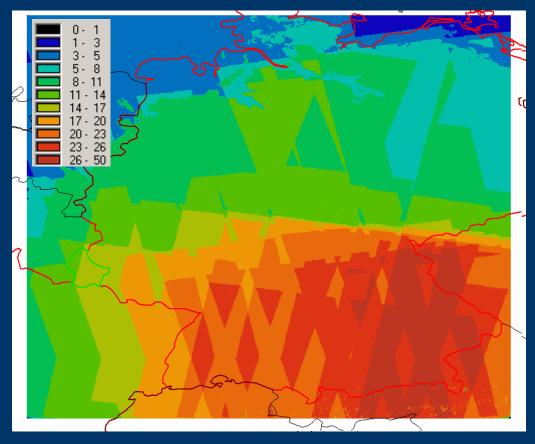
Service Performance ENVISAT ASAR







- ❖ Auf Grund guter Datenlage im Winter 2010/2011 Prozessierung eines erweiterten Ausschnitts
- Teilgebiet des Central Europe Ausschnitts
- ❖ Für den Zeitraum Nov.10 bis Jan.11 partiell zeitlich dichte Beobachtungen
- Schwerpunkt im Süden, bzw. Donaugebiet









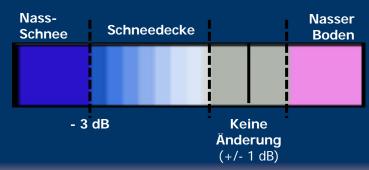


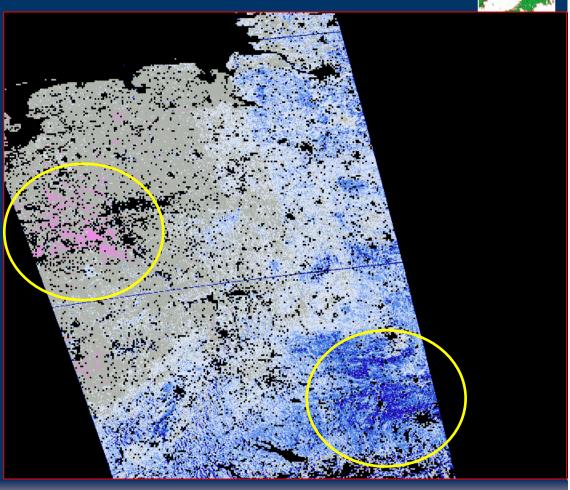


Methodik

Vereinfachtes Verfahren der Ableitung "Nass-Schnee"

Rückstreuungs-Differenz zwischen Referenz- und aktueller Szene



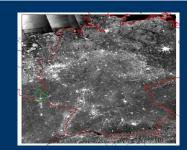






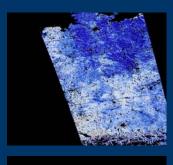
Übersicht

Nov. 2010 bis Januar 2011



November 8 Datensätze

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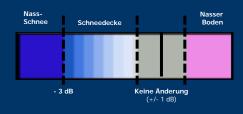


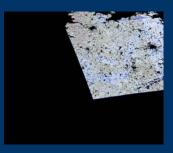












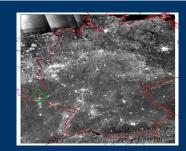






Übersicht

Nov. 2010 bis Januar 2011



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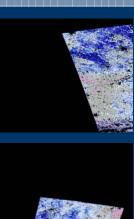
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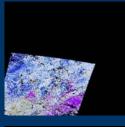
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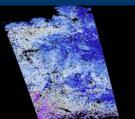
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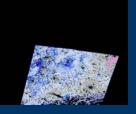










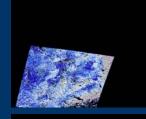


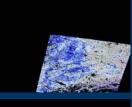




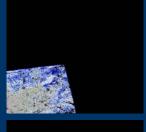






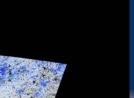


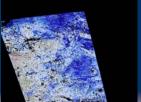


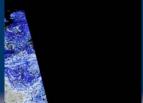


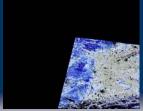










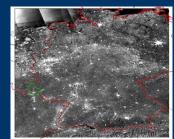






Übersicht

Nov. 2010 bis Januar 2011



Januar 16 Datensätze

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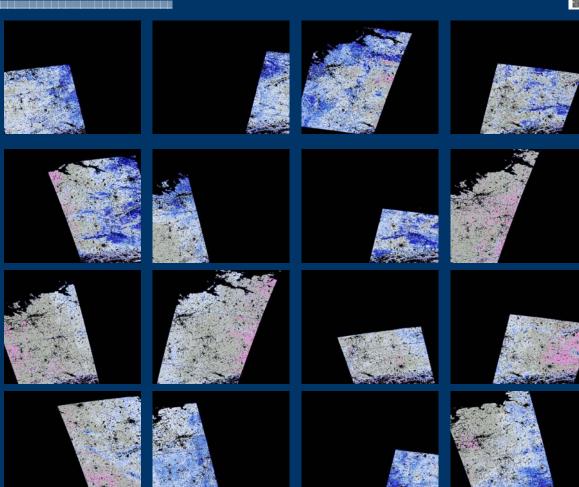
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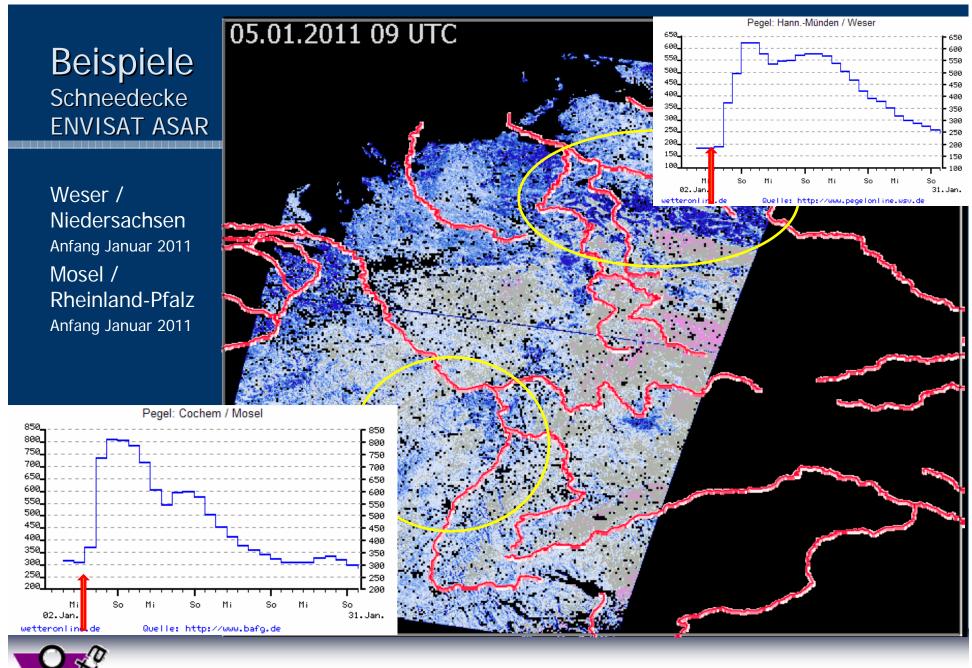
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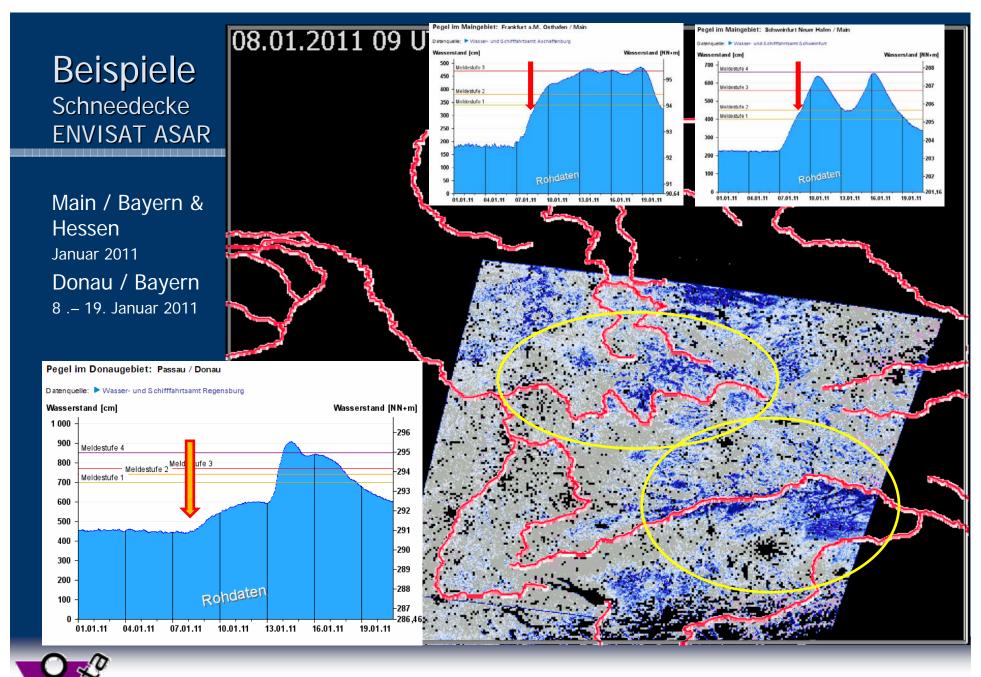




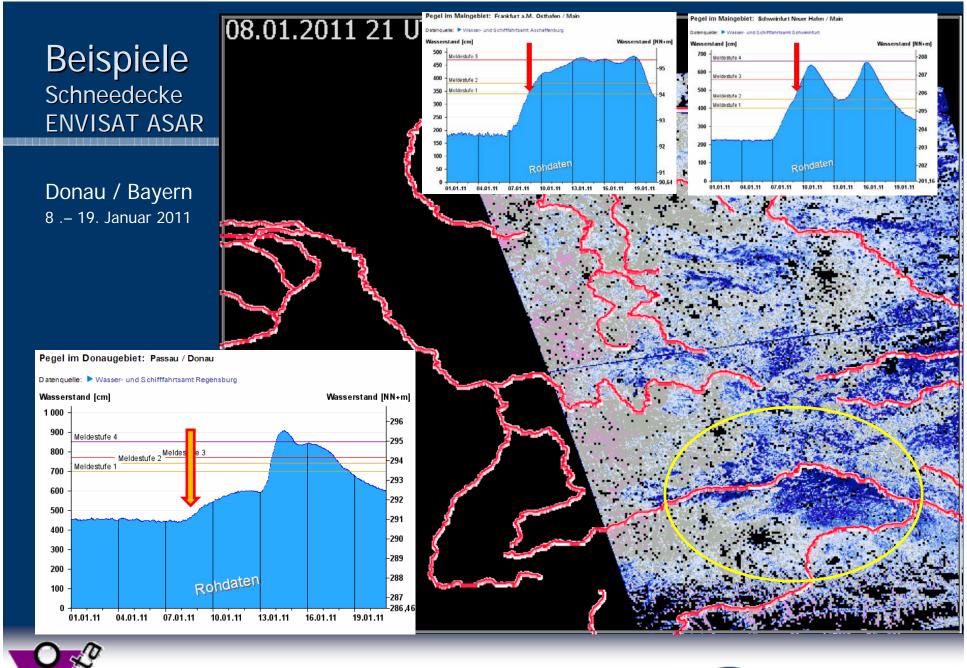




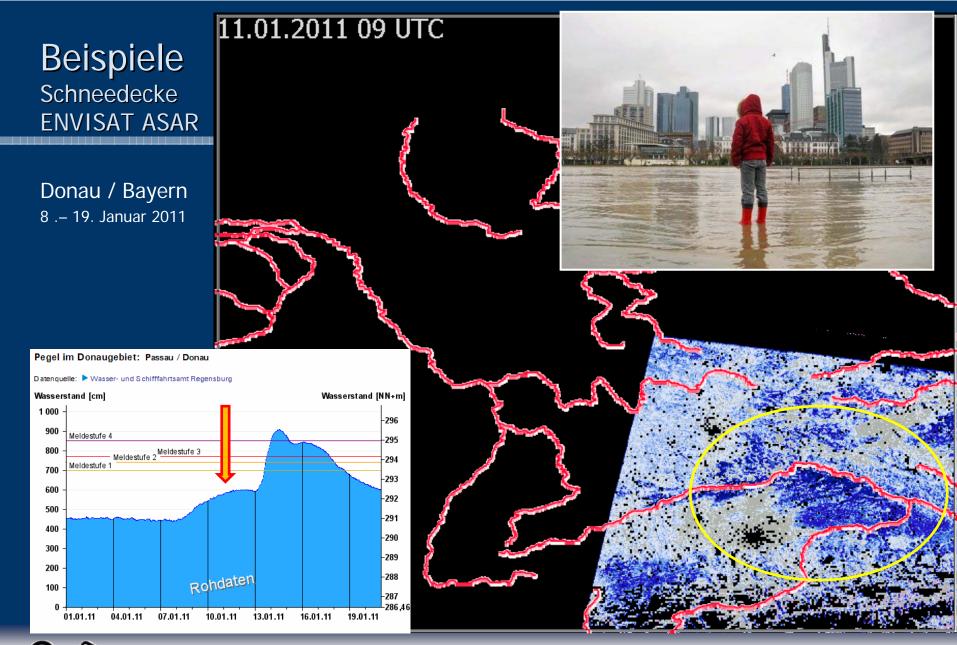






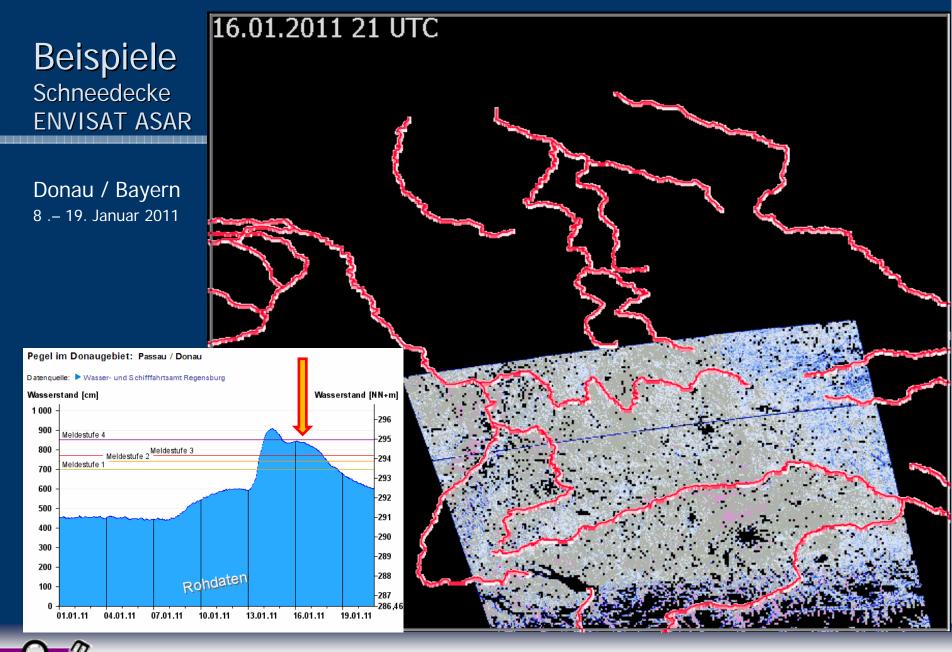






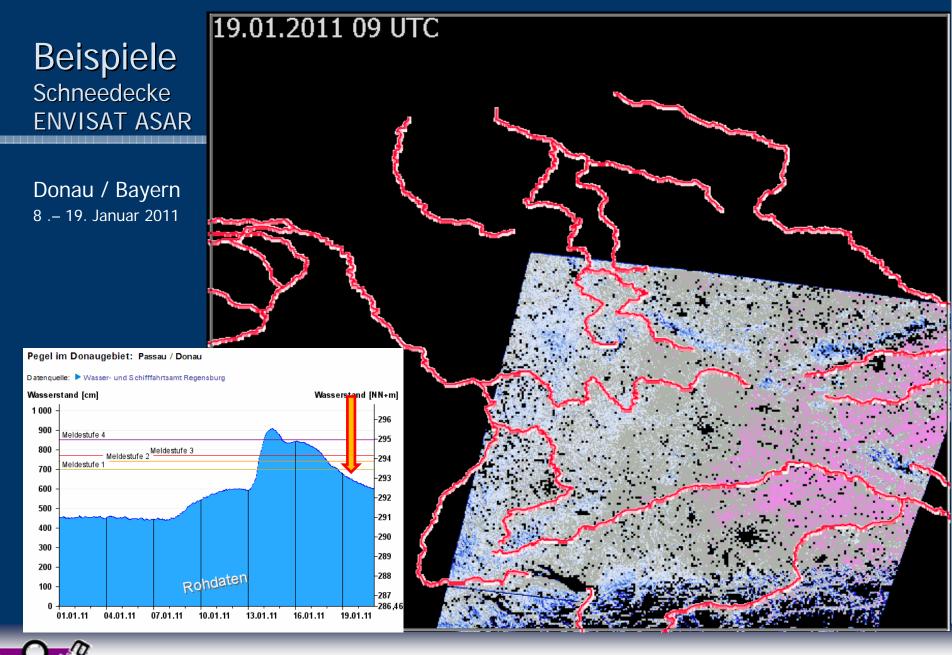






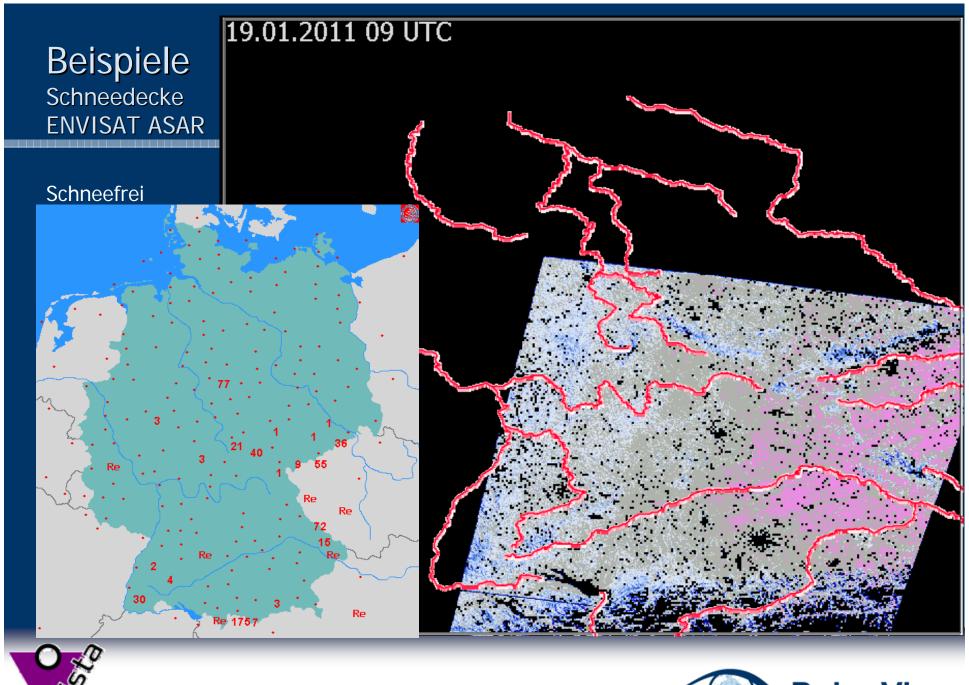




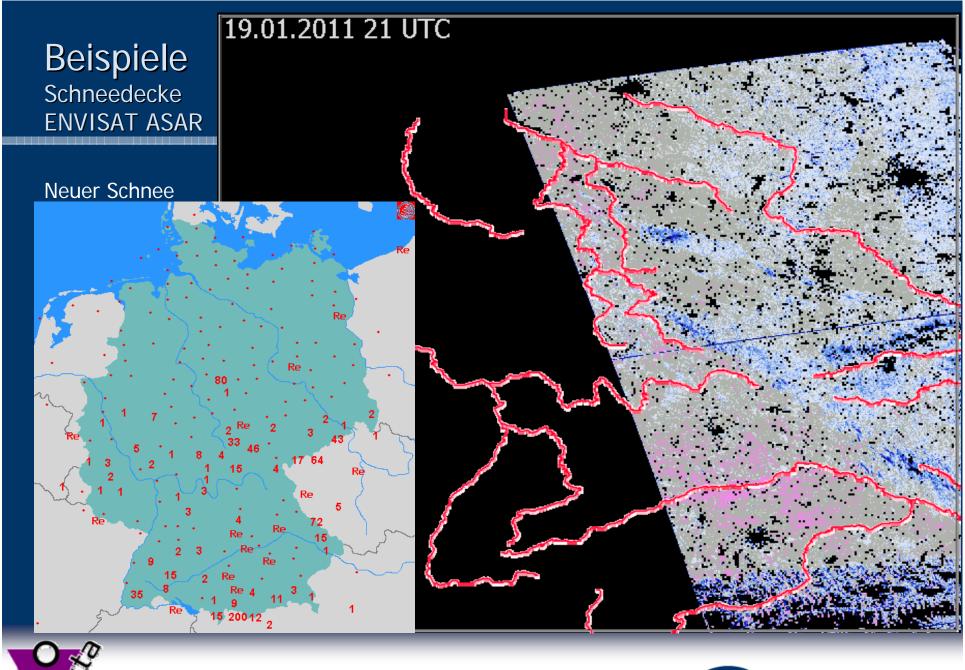




















Mehr Details zu

- operationellen Schneeprodukten (Optik & Mikrowelle)
- ❖ Anwendungen in der Hydrologie
- Polar View
- **&** Etc.

Florian Appel VISTA Gewissenschaftliche Fernerkundung GmbH, München appel@vista-geo.de

Oder im Anschluss / Nachmittag



