







NORMAP USE CASES

- 1. Find relevant satellite products
- 2. Browse the search results
- 3. Download satellite data
- 4. Collocate several satellite products
- 5. Analyze collocated data online







Use Case Structure

- 1. User system interaction table
- 2. Detailed description of user operations
- 3. Questionnaire





USE CASE 1: Find relevant satellite products

Goal: To enable users to interactively find information about relevant data.

· •	NORM								Barner photo by Einar Egistend August 12, 201
NORMAP project home								Meta	udata Catalogue Search
Metadata search	s	Search for NORMAP data. Use the links on the left hand side to access pages for setting search conditions.							
View Basket (0)		Caron					50 11		on the fert hand side to decess pages for setting section contaitons.
Help									Datacollection period
Subscription	Enter th	ne Da	tacolle	ection	period	d to s	earch	n for by	/ filling in the FROM and TO fields below.
Login	In each	field,	use t	he da	te forn	nat "\	YYY	′-MM-I	DD". Just "YYYY" or "YYYY-MM" will also be understood.
	Only da	ataset	s havi	ing a l	Dataco	ollecti	ion pe	eriod o	verlapping the interval thus defined, will be selected.
Current search (Clear all)	FROM				То				
Topics and variables	Clear	0	Jul		▼ 20	13	•	0	
Cryosphere > Sea Ice		Su	Mo	Tu	We	Th	Fr	Sa	
Operational status		Su	1	2	3	4	5	5a 6	
Institutions		7	8	9	10		12	13	
NERSC Nansen Environmental and		14	15		17		19	20	
Remote Sensing Center		21 28	22 29	23 30	24 31	25	26	27	
Areas		20							
Map search									
Datacollection period									
Text									
🔿 Search									





USE CASE 2: Browse the search results

Goal: To provide simple overview and visualization of individual datasets

Search for N	NORMAP data	 Use the links on the left hand side to access pages for se 	etting search con	ditions.
			Soarch ontio	ns Pivot table
Dataset name	Descriptive title for the dataset	Abstract	Datacollection period	
+ hersc-arctic12km- seaice Show xml RSS Feed Add to basket Visualize	Sea ice concentration in the Arctic Ocean	Monthly agrregated sea ice concentration in the Arctic Ocean derived with 4 low-frequency algorithms from microwave satellite data (SSMI, AMSR-E)	1987-11-01 to 2011-12-31	NERSC Nansen Environmental and Remote Sensing Center
+ ersc-arctic25km- seaice Show xml RSS Feed Add to basket Visualize	Sea ice concentration in the Arctic Ocean	Monthly agrregated sea ice concentration in the Arctic Ocean derived with 7 high-frequency algorithms from microwave satellite data (SSMI, AMSR-E)	1978-11-01 to 2011-12-31	NERSC Nansen Environmental and Remote Sensing Center





USE CASE 3: Download satellite data

Goal: To provide simple download of individual datasets







USE CASE 4: Collocate several satellite products

Goal: To provide access to several datasets transformed according to the user request of preferred file format, map projection, variables, temporal and spatial resolution and span.

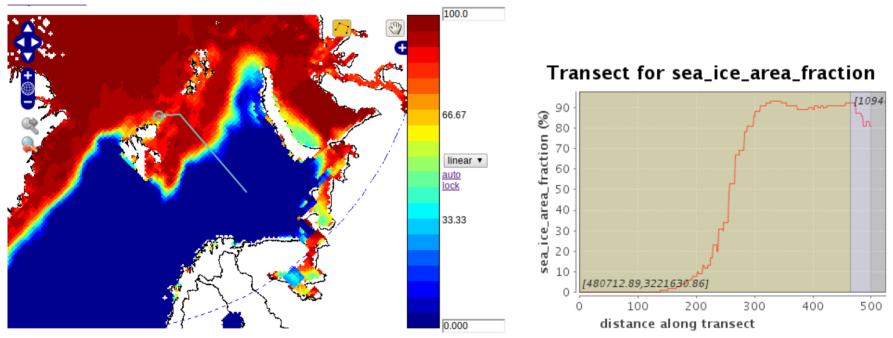
Colocatio	on parameters
Select products f	or colocation
🔲 Sea Ice concer	itration, TUD
Sea Ice concer	ntration, Near90GHz
🗌 Analyzed Sea S	Surface Temperature
Salast projection	
Select projection	
WGS84, EPSG	.4320 ereographic, EPSG:3995
Grid height, pix	
Start date	
mm/dd/yyyy	
End date mm/dd/yyyy	
Submit	





USE CASE 5: Analyze collocated data online

Goal: To provide advanced visual representation of multiple transformed datasets



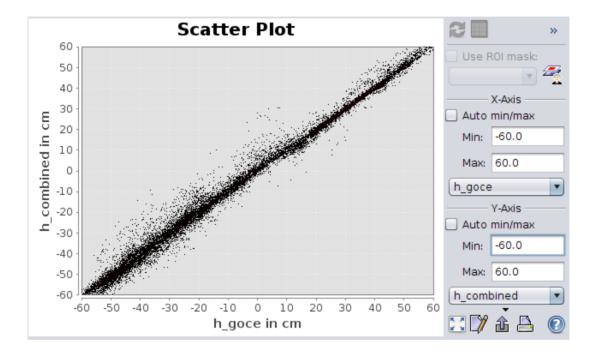
A: Extracting point or transect data from collocated datasets





USE CASE 5: Analyze collocated data online

B: Comparison of data from collocated datasets using scatter plot

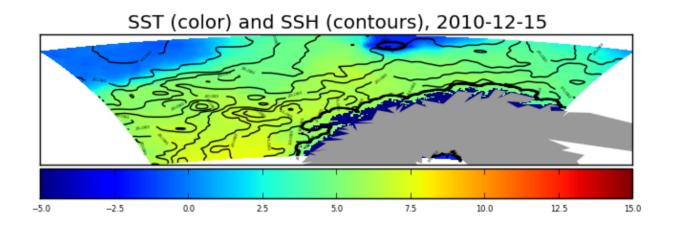




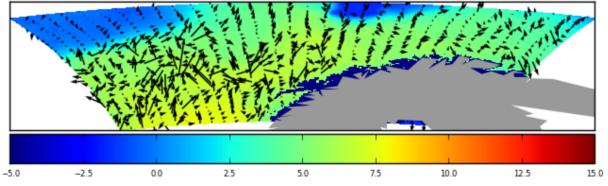


USE CASE 5: Analyze collocated data online

C. Visualization of overlaid data











Thank you for cooperation





