

EGRIP Steering Committee meeting 26 October 2016.
Briefing on logistics in camp in 2016 season.



J.P.steffensen, Lars Berg Larsen and Marie Kirk

EGRIP 2015-2020

2015: Moving NEEM camp to EGRIP. Completed (picture).

2016: Construction and outfitting of science and drill trenches. 100 m pilot hole and casing.
Expanding camp capacity.

2017: Drilling to 1250 m. Limited processing; but not brittle zone.

2018: Drilling to 2560 m. Processing incl. Brittle zone.

2019: Finishing deep drilling. Experiments in hole. Drilling into base? Shallow coring.
Camp is being down scaled.

2020: Last experiments in hole. Shallow coring. Camp is packed down for next time.



Planned man days in Greenland (associated programs not included):

Year	In camp	In SFJ	FOM	DV's	Average camp load
2015	700	100	70	0	10
2016	2000	200	200	20	20
2017	2500	250	230	40	25
2018	2500	250	230	20	25
2019	2000	200	230	32	20
2020	1500	150	230	20	15
total	11200	1150	1190	132	

Days of field work:

2015:	Apr-27(May-1)	Jun-9 (Jul-20)	43 days (80 days)
2016:	Apr-27(May-1)	Aug-13(Aug-15)	109 days(107 days)
2017:	Apr-26(May-1)	Aug-22(Aug-15)	120 days(107 days)
2018:	May-1	Aug-15	107 days
2019:	May-1	Aug-15	107 days
2020:	May-1	Aug-1	92 days

Flights in 2016

EGRIP 2016. Numbers revised.								
Weights in lbs.								
date	month	up	up	down	down	total	total	
		PAX	cargo	PAX	cargo	uplift	down	
27 April		7	7700	0	0	7700	0	
30 April		4	13631	1	0	21331	0	
1 may		0	15630	0	0	36961	0	
3 may		2	27300	2	0	64261	0	PARCA
2 June		14	15500	4	1100	79761	1100	
6 June		0	16900	1	2200	96661	3300	Nettles
8 June		8	18480	11	3100	115141	6400	AWI (DV)
9 June		8	23400	4	2200	138541	8600	
25 June		14	18520	8	0	157061	8600	
26 June		10	15700	6	3800	172761	12400	
28 June		5	24800	14	8100	197561	20500	
17 July		28	15830	16	4500	213391	25000	DV
21 July		13	19650	24	3000	233041	28000	DV
8 Aug		3	22850	12	12100	255891	40100	
13 Aug		0	18134	8	3080	274025	43180	

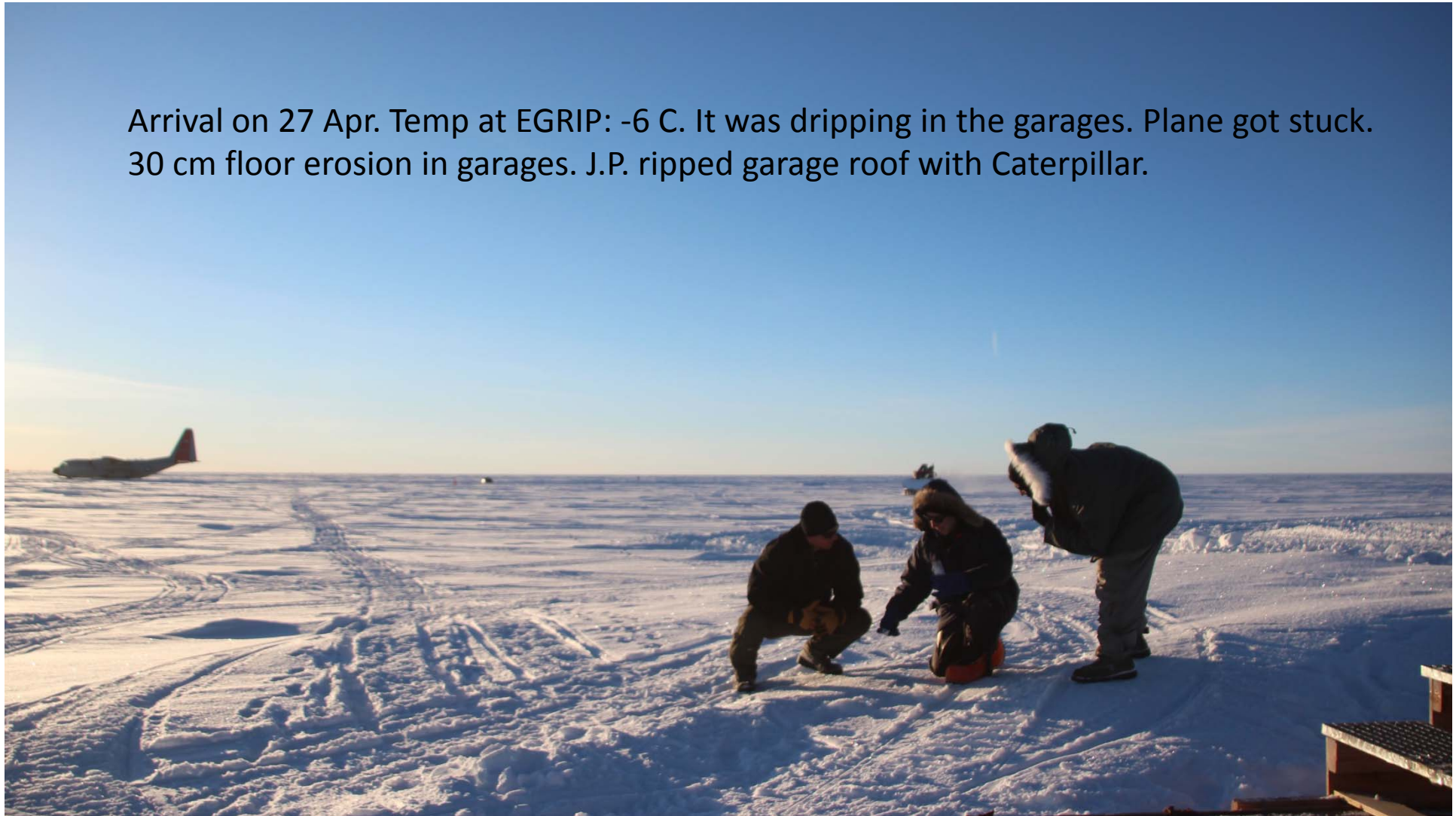
Compare with NEEM 2008 season:

24 missions carrying 449,000 lbs and 84 PAX

100,000 lbs garages, Pistenbully and dome
88,000 lbs timber and plywood

Total 10 EGRIP missions with 116 PAX

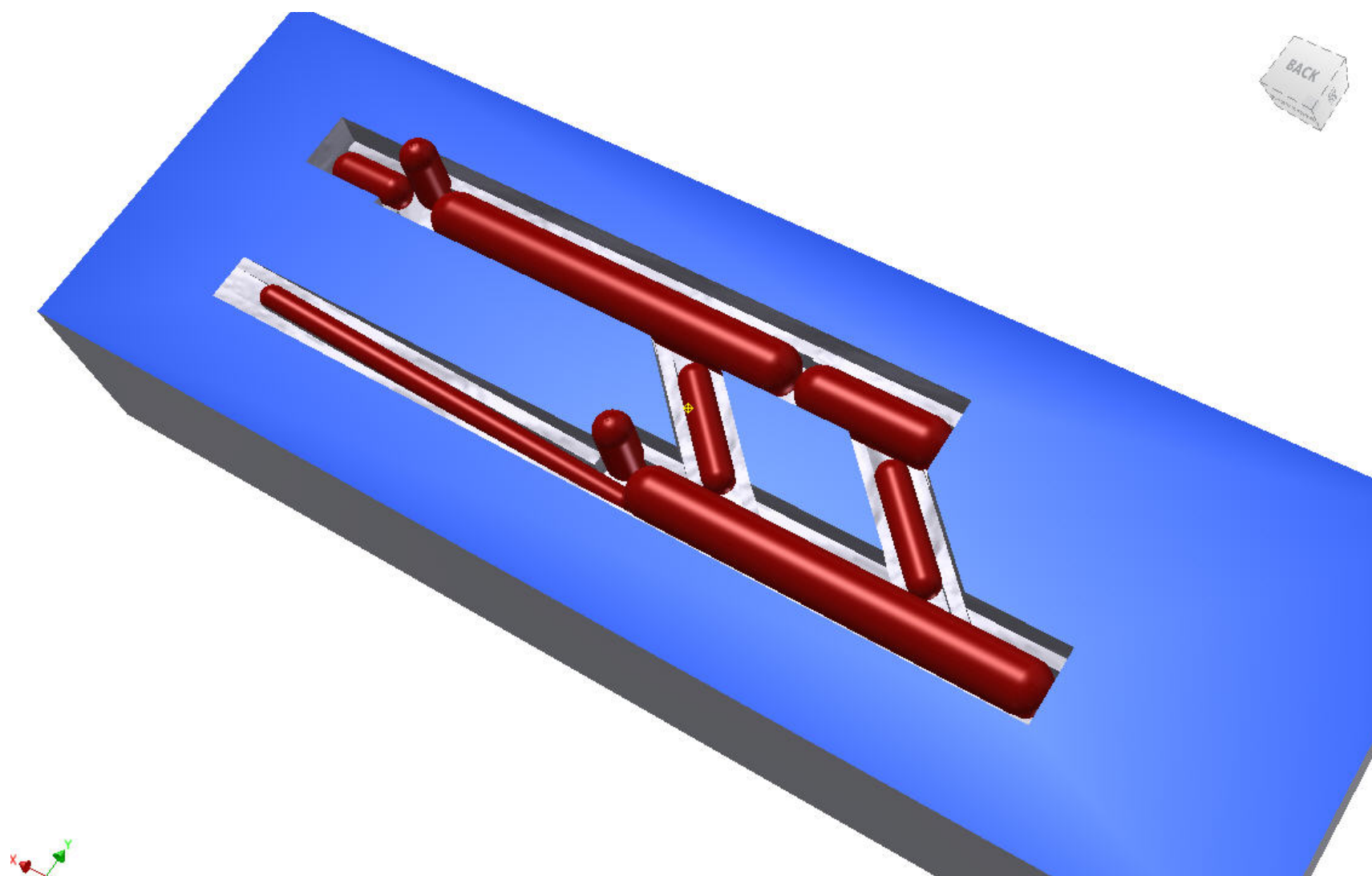
Arrival on 27 Apr. Temp at EGRIP: -6 C. It was dripping in the garages. Plane got stuck. 30 cm floor erosion in garages. J.P. ripped garage roof with Caterpillar.



Logistic highlights 2016

- Balloon trenches: Weight of equipment 1630 kg (3600 lbs). Total EGRIP construction time: 18 days. Total EGRIP man days: 49 man-days. (Total NEEM construction time: 32 days. Total NEEM man-days: 104 man-days).
- Communication: New satellite dish tested successfully. This will allow for cell-phone use in camp and unlimited data. Initial cost 100,000 DKK and 100,000 per season. (NEEM Iridium cost: 350,000 DKK per year). Web-cam possible.
- Fuel: Optimized coordination with 109th on de-fueling procedures. Much higher payloads. Fuel status: All full (45,000 liter).
- New back-up generator (25 kVA) in carpenter garage.
- EGRIP has "lucky" skiway.
- New door and balcony in main dome.

















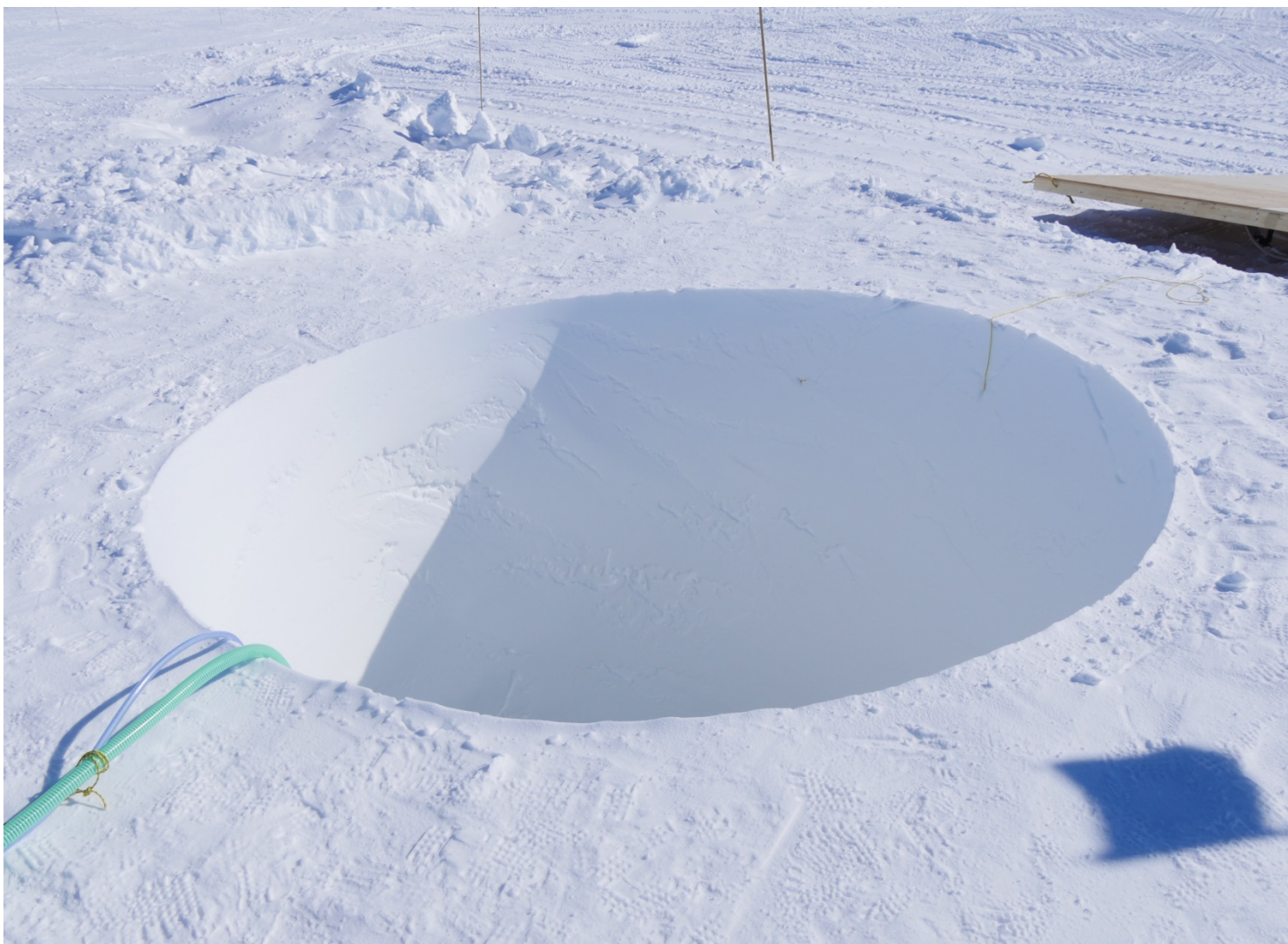














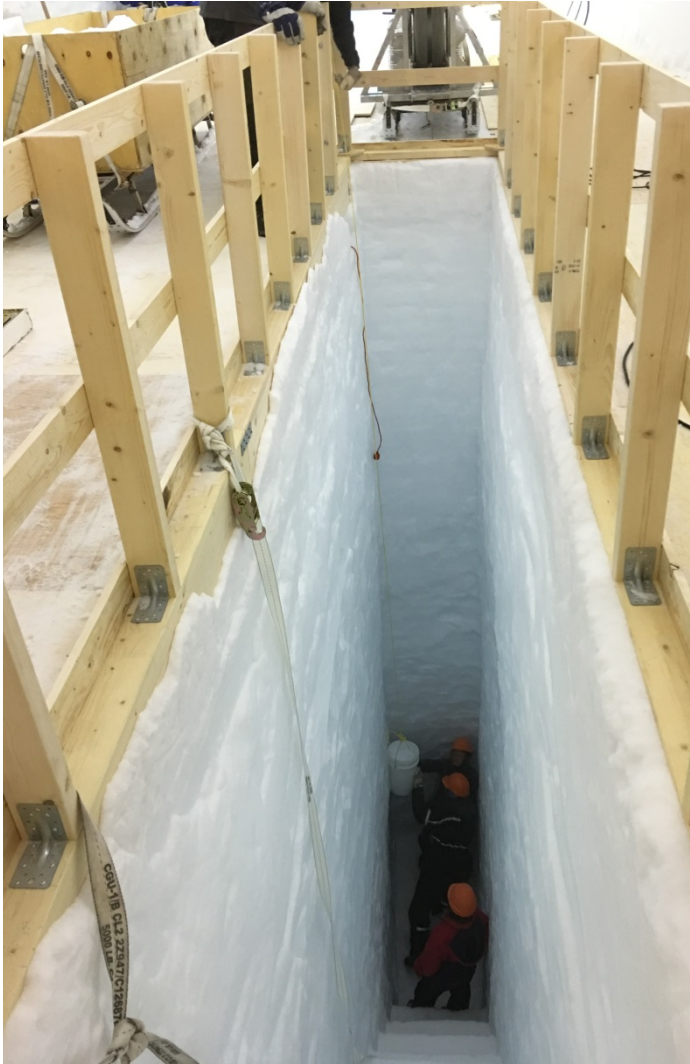
























Issues for 2017.

- Skiway becomes "crooked".
- New cooks freezer with balloon.
- Cabeling in camp needs upgrade/revision.
- Main generator overhaul.
- New "sauna" garage.
- Repair of older weatherports.

version 251016 budget

budget: 70567730

DKK	2014+2015	2016	2017	2018	2019	2020 total	% of budget	
China	0	372,500	372,500	0	0	0	745,000	1.1
Denmark	3,500,000	6,500,000	6,500,000	6,500,000	6,500,000	6,500,000	36,000,000	51.0
France	0	150,000	0	0	0	0	150,000	0.2
Germany	2,741,908	745,000	745,000	1,200,000	569,000		6,000,908	8.5
Japan	0	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	5,000,000	7.1
Norway	0	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	5,000,000	7.1
S.Korea	0	0	0	0	0	0	0	0.0
Sweden	0	0	0	0	0	0	0	0.0
Switzerland	0	550,000	550,000	550,000	550,000	550,000	2,750,000	3.9
U.S.	1,247,400	1,667,500	1,667,500	1,667,500	1,667,500	1,667,500	9,584,900	13.6
Income total	7,489,308	1,667,500	11,835,000	11,917,500	11,286,500	10,717,500	54,913,308	77.8
Budget	14,000,000	16,050,000	12,845,000	10,960,000	8,830,000	7,875,000	70,560,000	
Expenses (estimated)	6,759,695	10,690,522	12,845,000	10,960,000	8,830,000	7,875,000	57,960,217	
Liquidity	729,613	-8,293,409	-9,303,409	-8,345,909	-5,889,409	-3,046,909		



Brittle ice consortium discussion

- Consider new band/circular saw for cutting in bags. Perhaps consider drill fluid high pressure cutter.(check internet)
- Steff will check stability of webbing material in COASOL.
- Consider different liners for troughs.
- Send up plastic ice core covers from Kanger.
- Check stability of labels. Find recipy.
- Consider engraving numbers in core troughs as extra safety (redundancy for un-logged cores).
- Obtain laser system for aligning dummy cores in extraction system.
- A troughs in Kanger should be cut to 2.4 – 2 m lengths.
- Update core logging software to accomodate NEEM core quality criterions and pictures of each run.
- Drillers tags and loggers tags should be combined: Run#, pitch, diameter, drillers depth will be included in logging.
- Consider start/stop criterion for brittle zone (90% CFA worthy?)

EGRIP 2017

Camp Logistics

