

Our Antarctica Adventure

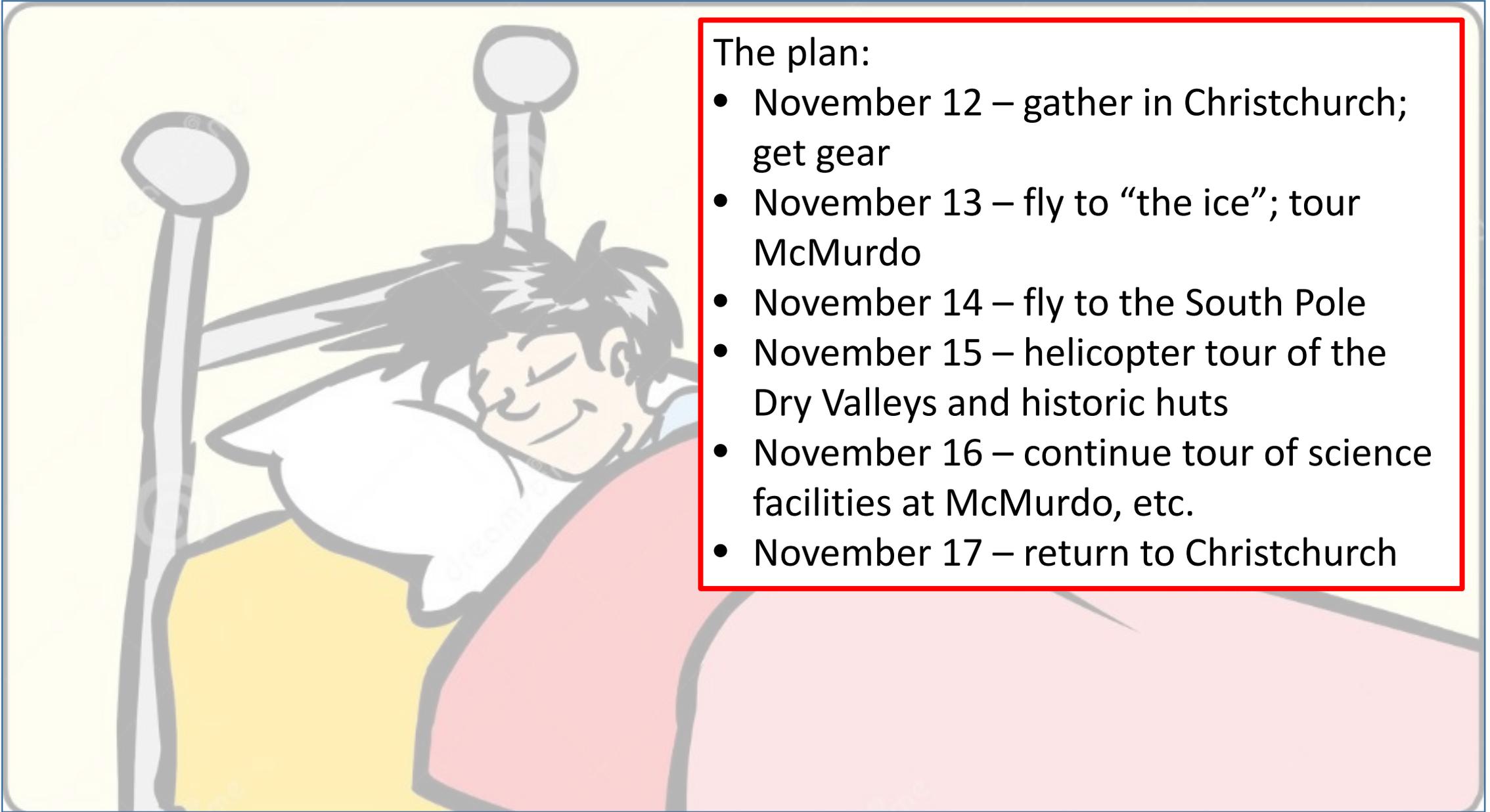
November 2017

Roger Beachy

Victor McCrary

Julia Phillips

Lesson #1: It's not easy to get to Antarctica!



The plan:

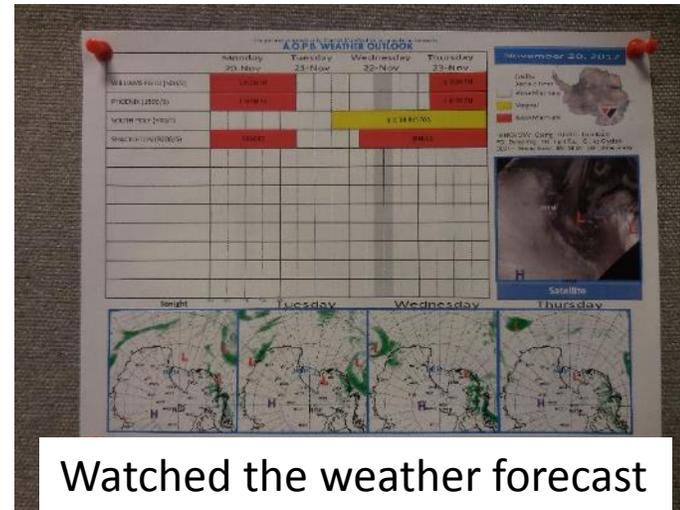
- November 12 – gather in Christchurch; get gear
- November 13 – fly to “the ice”; tour McMurdo
- November 14 – fly to the South Pole
- November 15 – helicopter tour of the Dry Valleys and historic huts
- November 16 – continue tour of science facilities at McMurdo, etc.
- November 17 – return to Christchurch

Lesson #1 (cont.): ...or to get around once you're there!

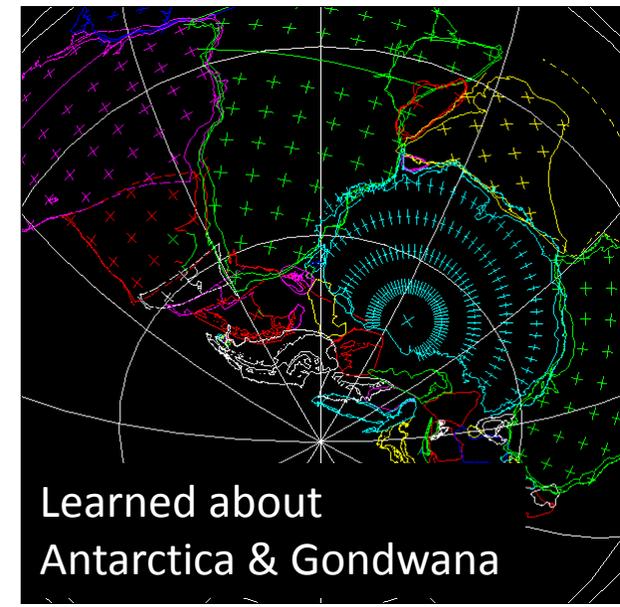
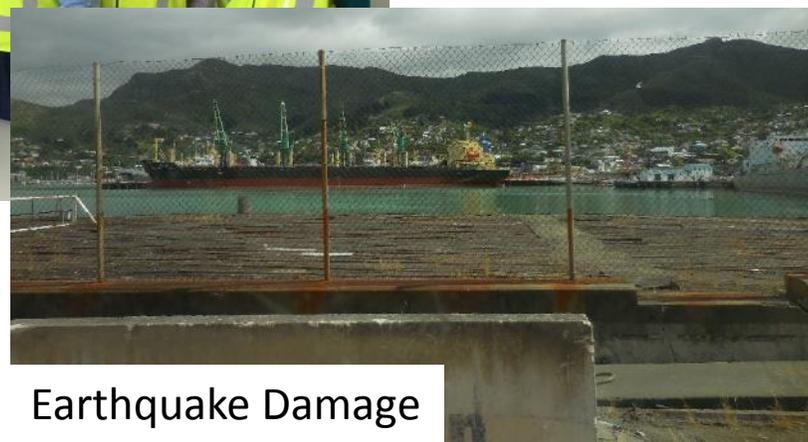
What **really** happened:

- November 12 – gather in Christchurch; get gear
 - November 13
 - November 14
 - November 15
 - November 16
- NO FLIGHTS!**
- November 17 – **FINALLY – fly to McMurdo!!**
 - November 18 – truncated tour of Dry Valleys and historic huts
 - Scott Base tour & dinner
 - November 19 – **NO FLIGHTS**
 - Tour McMurdo facilities & science
 - November 20 – **NO FLIGHTS**
 - more McMurdo facilities and science
 - November 21 – A beautiful day, but... need to clear the runways, so **NO FLIGHT** to Pole
 - tour NASA facilities
 - Late return to CC on NZ AF plane
 - November 22 – **Dawn & Scott get to Pole!**
 - November 23
 - November 24
 - November 25
 - November 26
- NO FLIGHTS (weather)**
- NO FLIGHTS (Thanksgiving)**
- November 27 – **Dawn & Scott return to CC!**

So what did we do while we were waiting for the weather to clear?



Learned about infrastructure, especially telecom & IT



But most of us did make it to the ice!



And Dawn & Scott
made it to Pole



Lesson #2: Actually, NOTHING is easy in Antarctica!

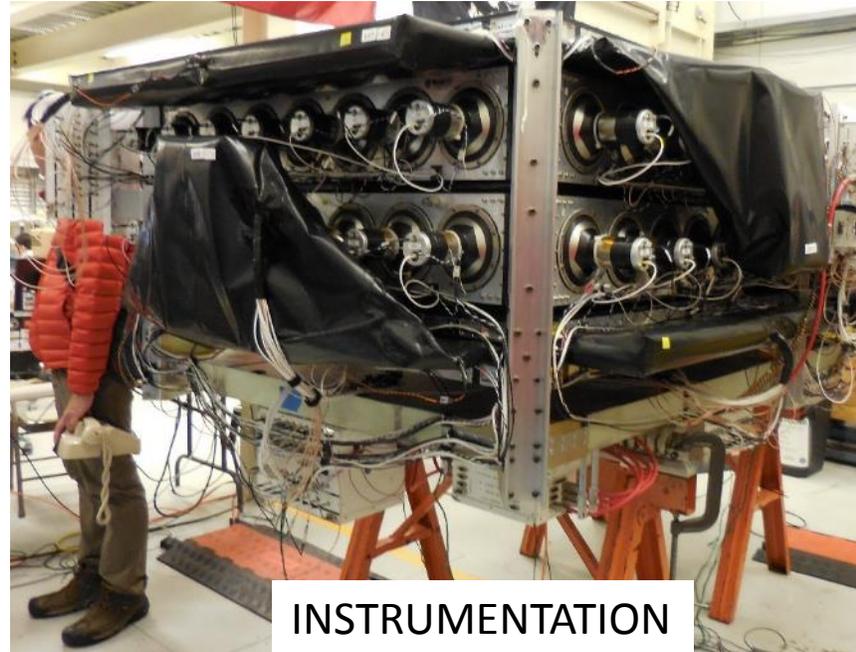
Getting EVERYTHING there...



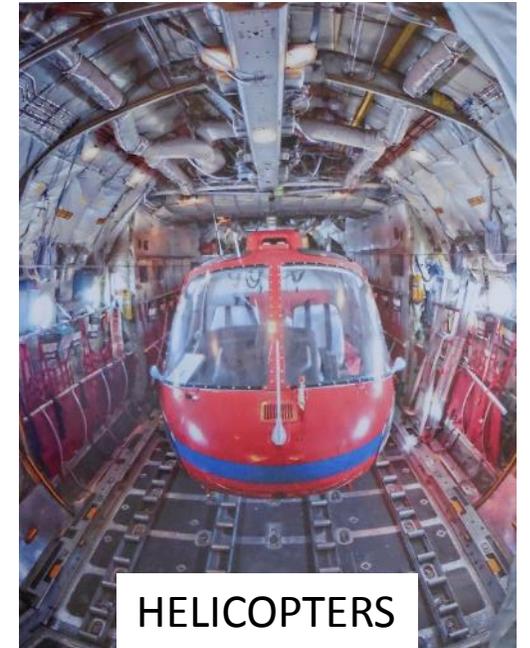
...and BACK!



FOOD



INSTRUMENTATION



HELICOPTERS

Lesson #2 (cont.): Field Work



Lesson #2 (cont.): Outfitting for Field Work



Tents, sleeping bags, etc.



Cooking equipment



Tools



Power



Transportation



Etc.

Lesson #2 (cont.): Safety in the Field... and at McMurdo



Monitoring of Field Teams



(There are fire trucks, too)

Lesson #2 (cont.): Even Fun...



Lesson #3: It takes a **VILLAGE** and **BELIEF IN THE MISSION**



Telecom



Field Outfitting



Logistics



Air Force Crews



Medical



Helicopters



Mechanical & Small Vehicles



Big Vehicles



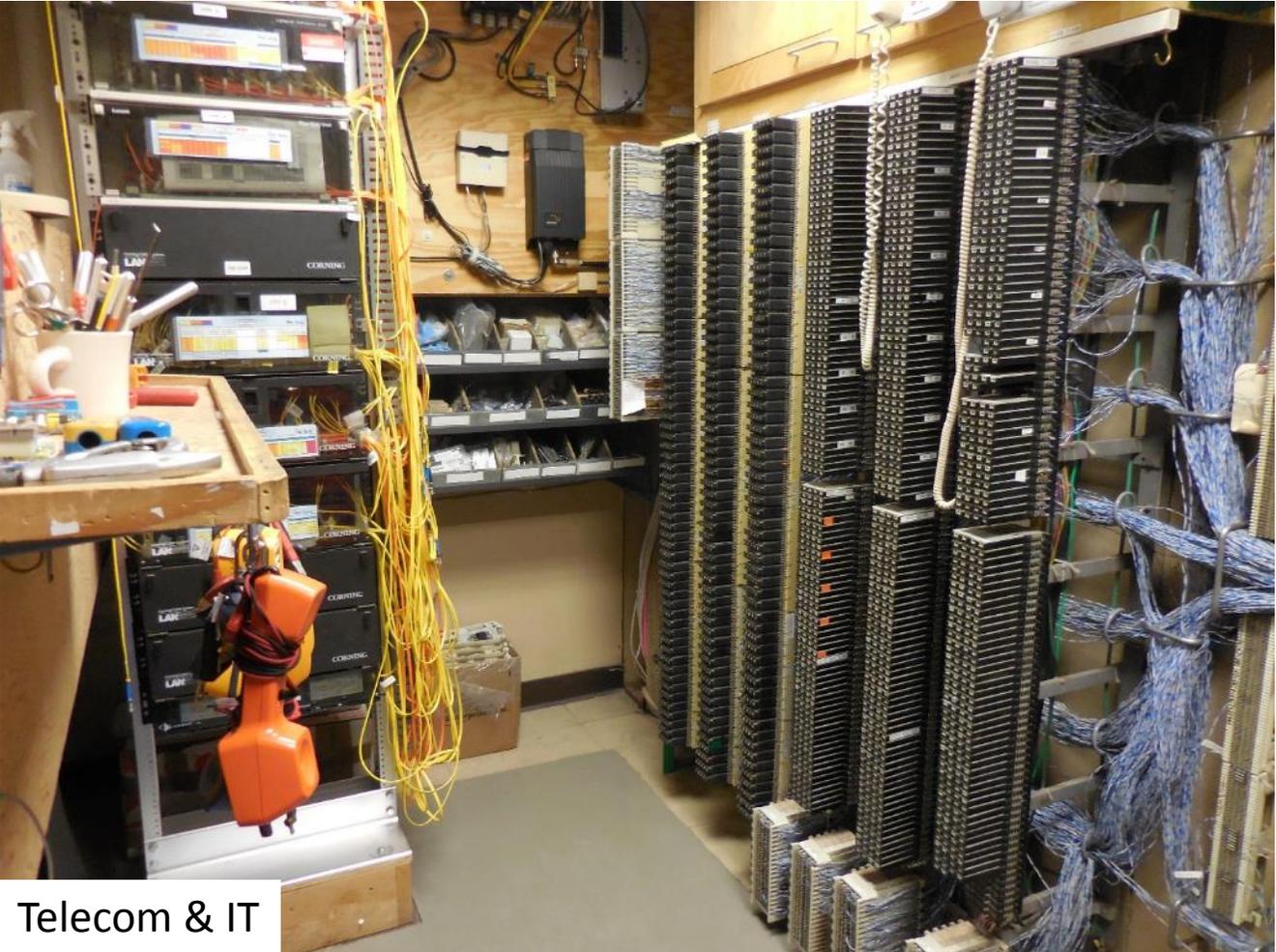
NASA Balloons

22 NOV

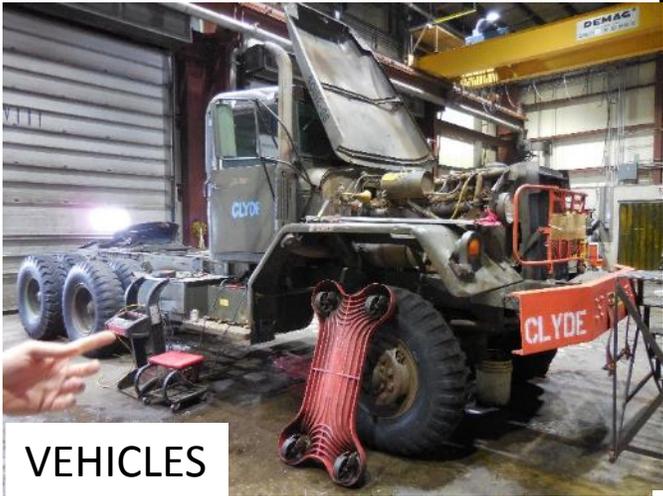
	ICAO	P	CP	N	FE	L
0800	ICE POD 04	CARDWELL	ALEXANDER	JANKORD	GRAY	JONES
1000	SHG 01	ZELINSKI	CYAN	NOVAK	BLANKENHORN	FOOL
1200	SHG 95	TATA		VALMATTER	DEROSE	DROD
1800	ICE POD 04	URBAN		ICE	GUT	ZENNER
1900	SHG 95	NEWT		ENDRES	MUSS	MACHO

Air Traffic

Lesson #3b: ...Especially with outdated infrastructure



Telecom & IT



VEHICLES



ICICLES INSIDE



HOSPITAL

Lesson #3: It takes a VILLAGE and BELIEF IN THE MISSION



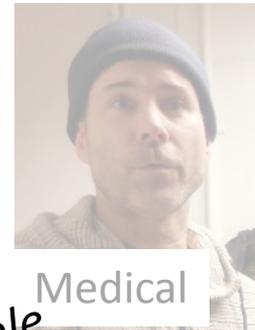
Telecom



Field Outfitting



Air Force Crew



Medical

QUESTION: How can we preserve the strong and special sense of community with upgraded connectivity to the rest of the world?
 asked by an IT professional returning from McMurdo & pole



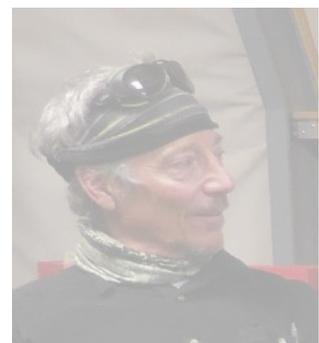
Logistics



Helicopter & pole



Biometrics



NASA Balloons

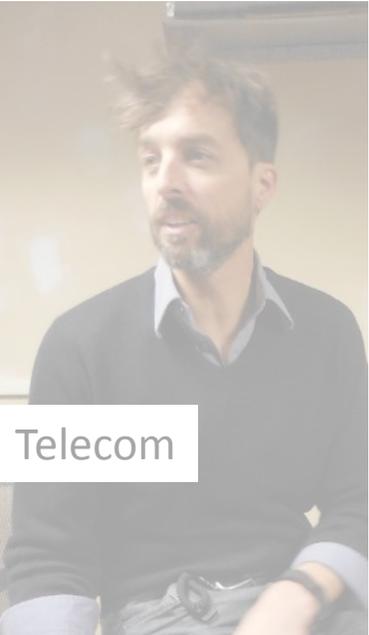
Air Traffic

	ICAO	P	CP	N	FE	L
0800	ICE POD 041	CARDWELL	ALEXANDER	EDWARDS	GRAY	JONES
1000	SHG 01	ZELINSKI	CYAN	NOVAK	ANDERSON	FOOL
1200	SHG 95	TATA		VALARTER	DEROSE	DROD
1800	ICE POD 041	URBAN		ICE	GUT	ZEHNER
1900	SHG 95	NEW		ENDRES	NUSS	MACHO



Mechanical & Small Vehicles

The VILLAGE needs magnets to pull it together



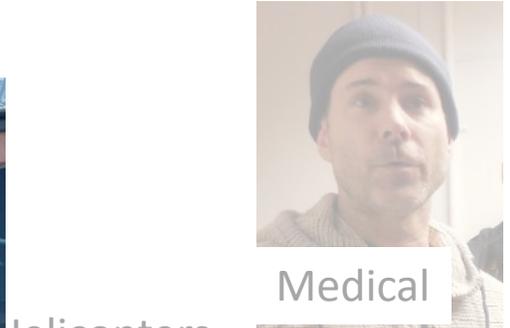
Telecom



Field Outf



NASA Balloons



Medical

Helicopters



Mechanical & Small Vehicles

Lesson #4: The science is awesome and varied... and so are the performers



Thank you!

