

Arcti**C** Amplification: **C**limate Relevant **A**tmospheric and Surfa**C**e Processes, and Feedback Mechanisms (**AC**)³

ACLOUD—Welcome

21 May 2017

Longyearbyen, Spitzbergen



<http://ac3-tr.de/>

+ KIT + MPI + LaMP + Uni Mainz

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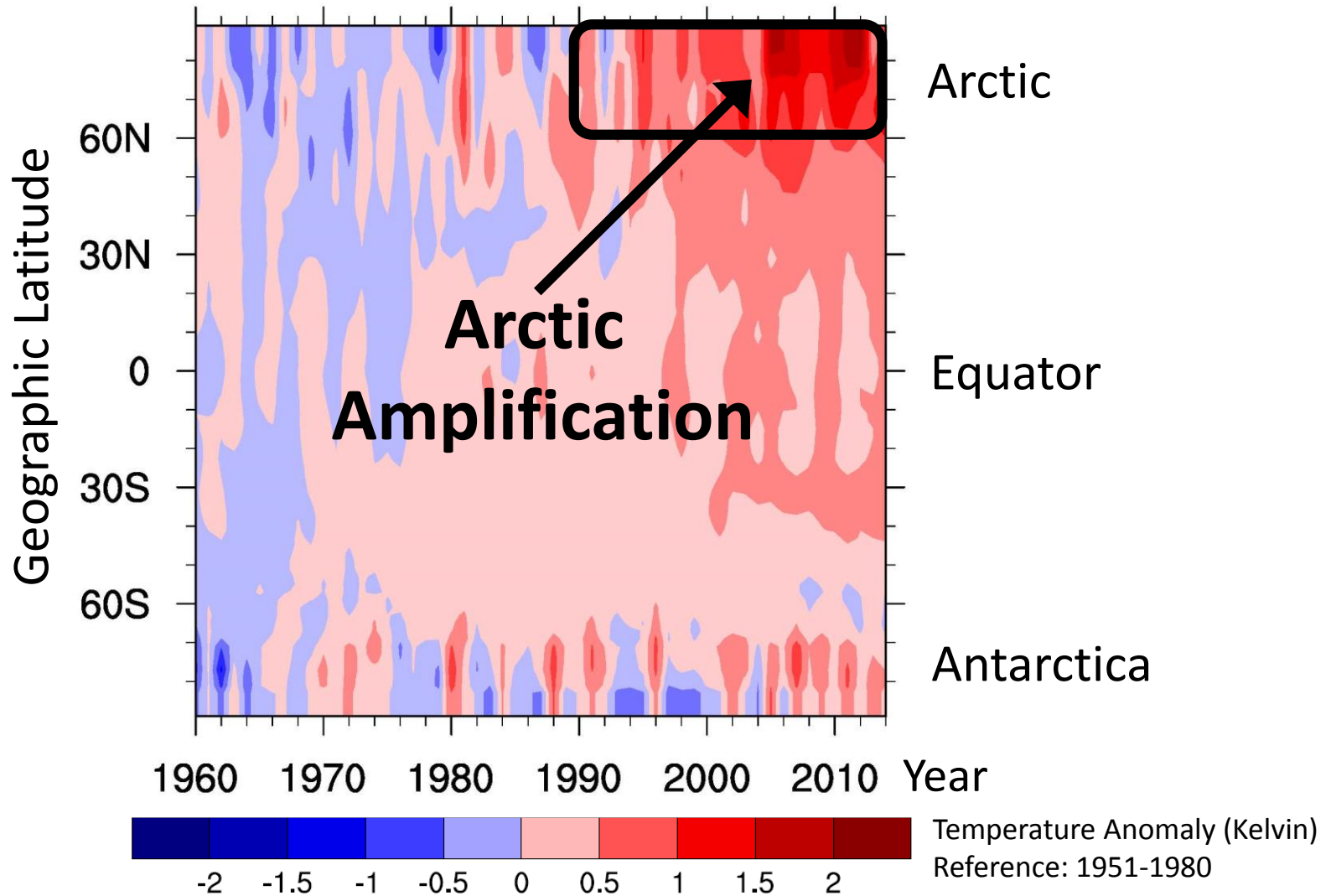


Clouds over the Beaufort-Sea, Northern Territories.
RACEPAC 2014 campaign with Polar 5 & 6.

1. Why are we here?
2. What do we want to do?
3. How do we organize ourselves?



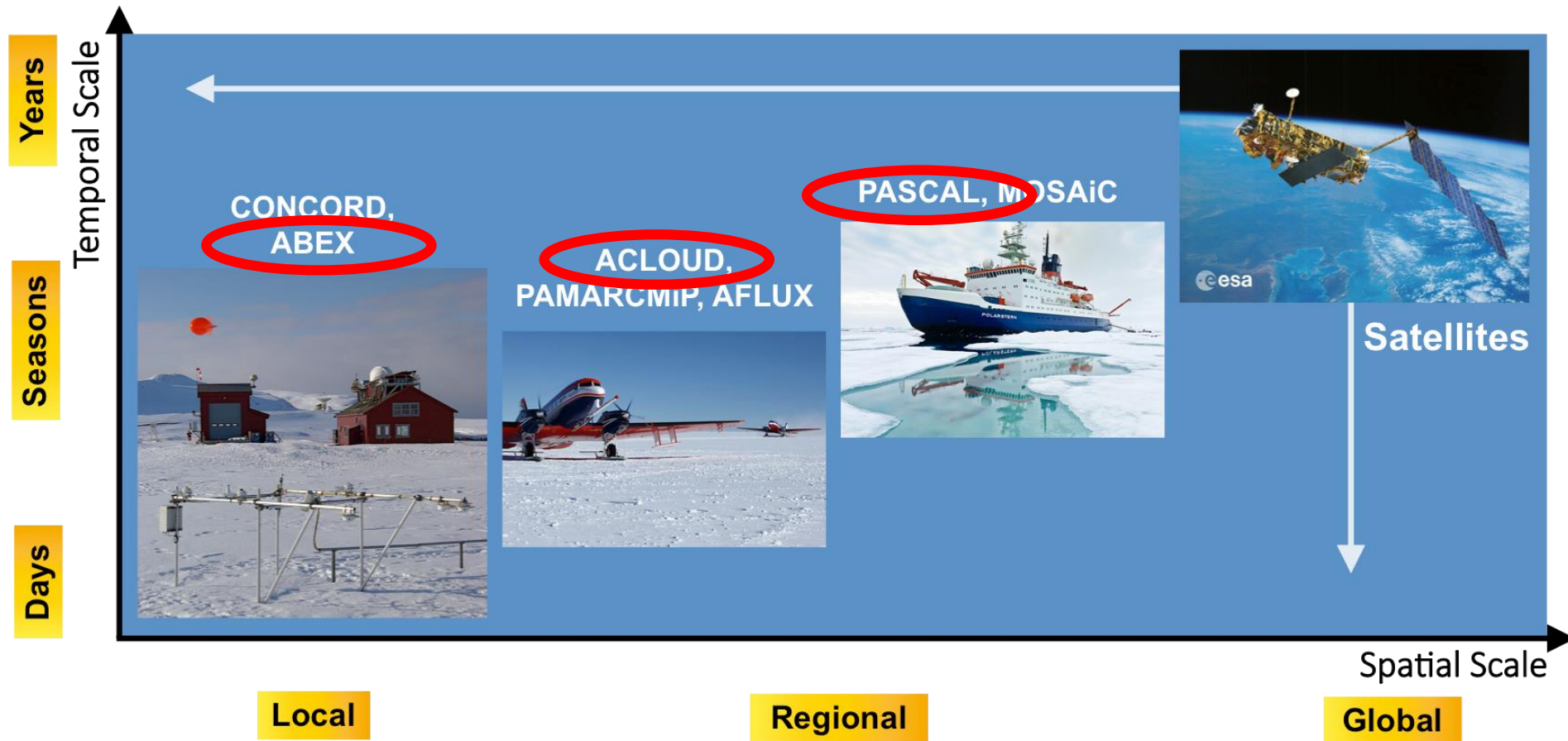
1. Why are we here?



Credit: NASA/Goddard Institute for Space Studies

Wendisch et al. (2017)

1. Why are we here?

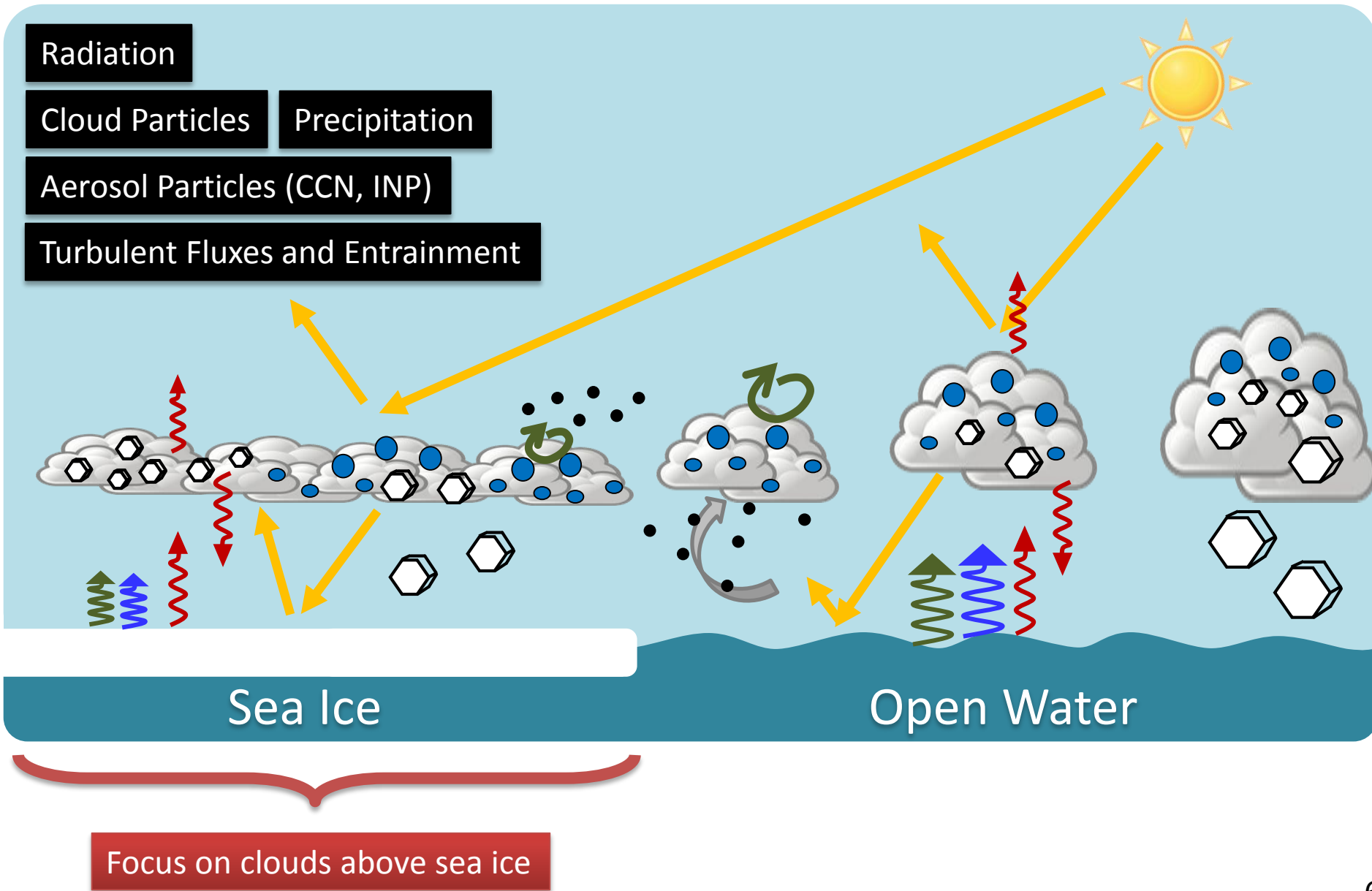


1. Why are we here?

No Cirrus, ideally!



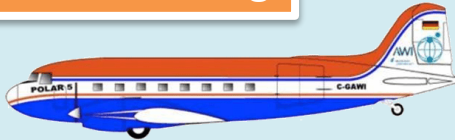
2. What do we want to do?



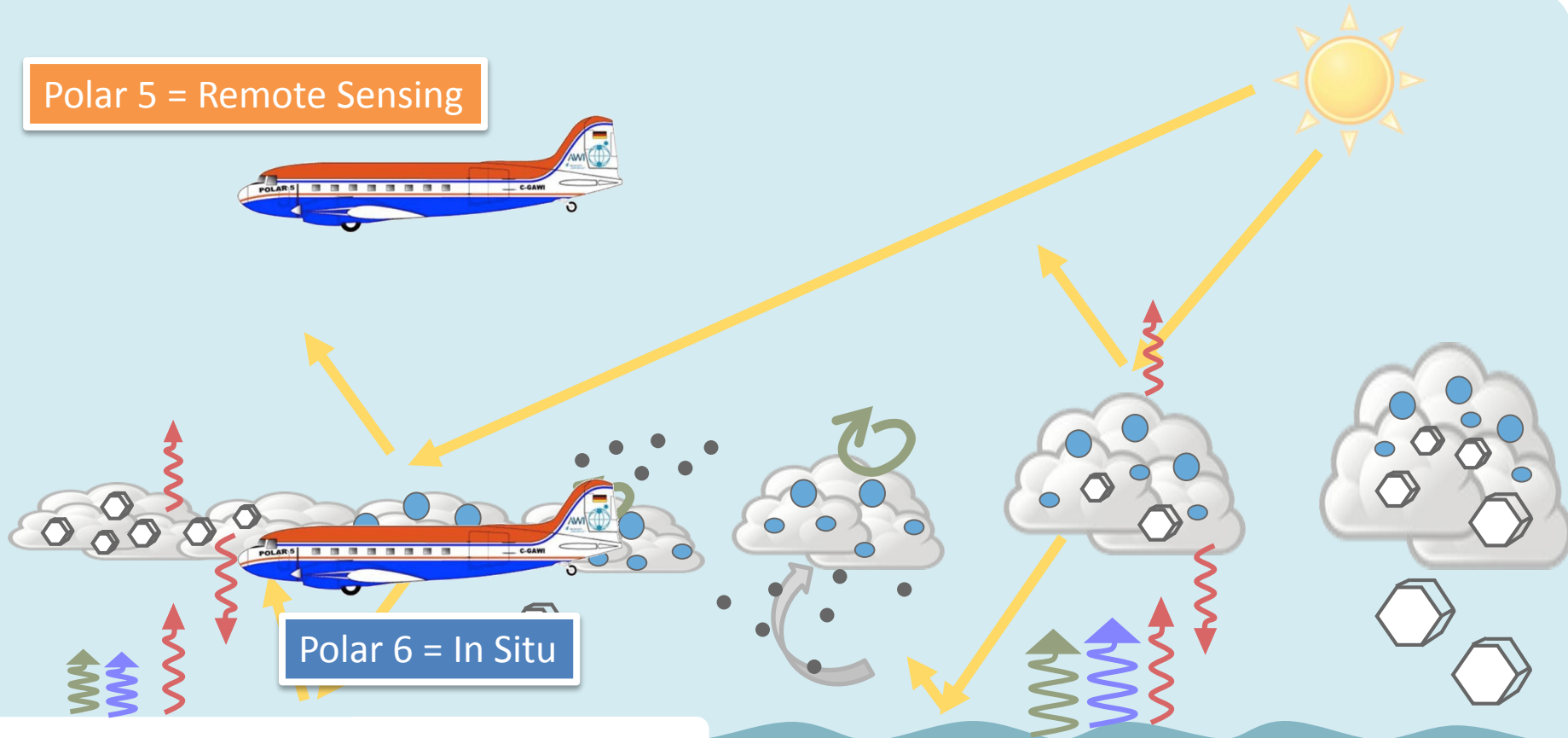
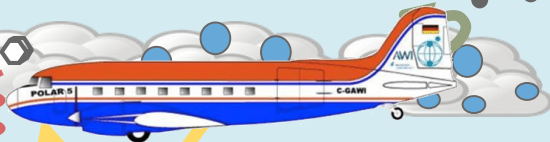
2. What do we want to do?



Polar 5 = Remote Sensing



Polar 6 = In Situ



Collocated Measurements

2. What do we want to do?

- ✓ 24/5, 12:00 Polarstern (PS) leaves Bremerhaven
- ✓ 31/5, 8:00-12:00 PS in LYR
- ✓ 21/6-23/6 PS in LYR



3. How do we organize ourselves?

- **Teamwork! André is the boss!**
- **We are flexible!**
- **Three regular meetings per day are suggested**
 - ✓ 08:00 All: Brief Met, Go/NoGo
 - ✓ 13:00 Mostly for PIs: Met, flight planning
 - ✓ 18:00 All: De-briefing, Met, Next day/flight
- **One major PI for each mission**
 - ✓ Rotating: André, Christof, Manfred, others ...
 - ✓ Responsible to manage the mission

3. How do we organize ourselves?

A mission includes ...

Prep day

- 13:00 Met
- Then PI meeting (maybe not all)
- 18:00 Discussion of plans with all

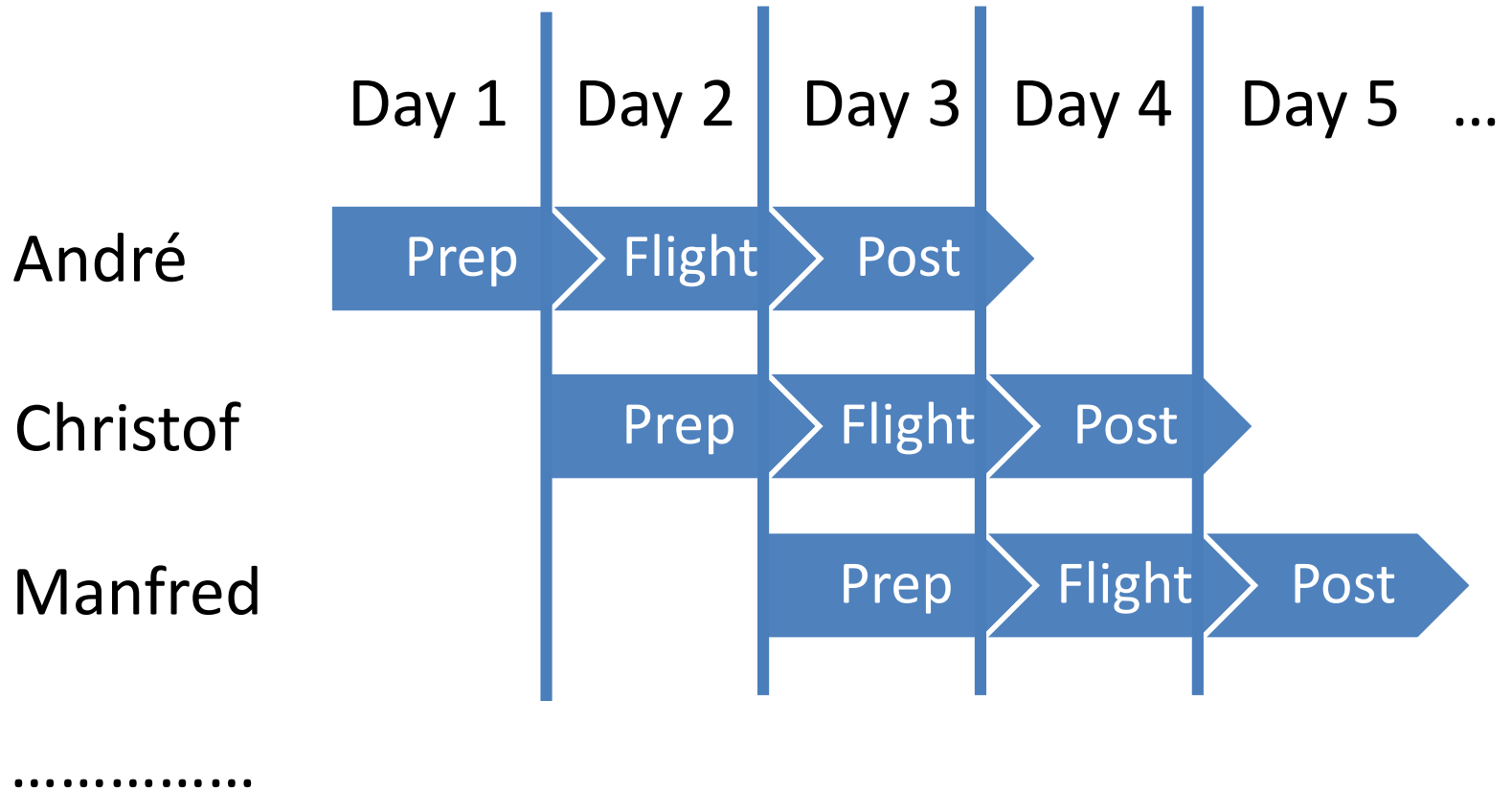
Flight day

- 08:00 Met
→ Go/NoGo
- Flight
- 18:00 De-briefing meeting

Post-flight day

- Flight report

3. How do we organize ourselves?



3. How do we organize ourselves?

- **Day off**
No official meeting
- **The day after day-off**
No flight
Morning: Quicklooks/science
Afternoon: Usual prep day