

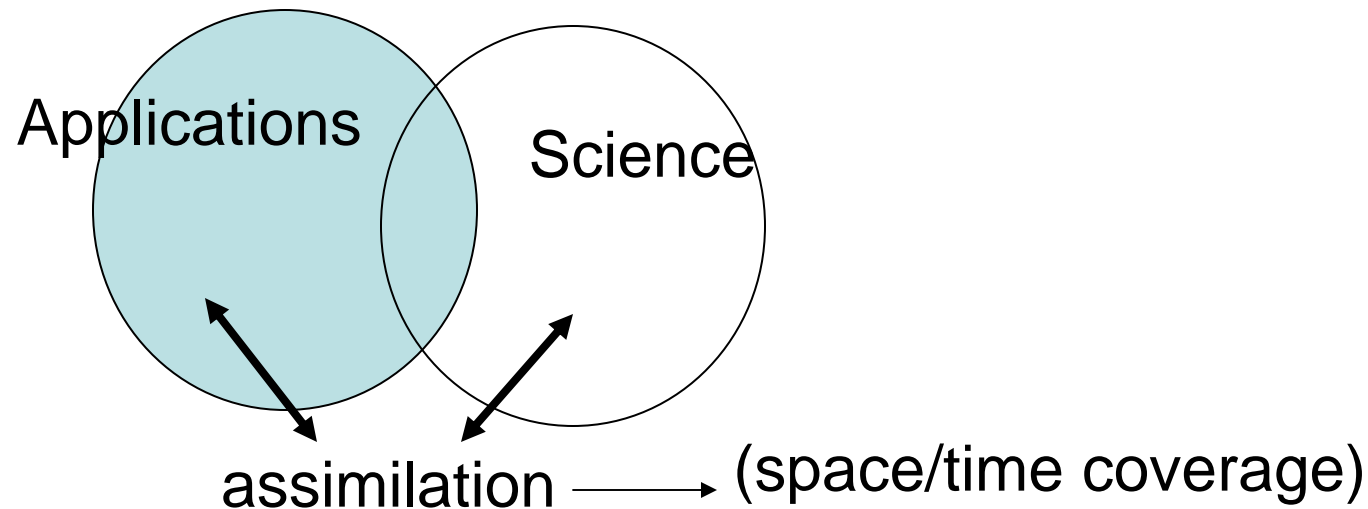
Blue -sky ---winging it

The thought was that a polar precipitation focus effort would clearly benefit from 'synergy' derived from surface properties of snow.

Can the output of our deliberations be the legacy of IPY

What broad science?

What potential applications (polar hydrology)? - seems like coverage is a critical issue



What science?

A climate theme -

Is the hydrological cycle of the polar regions changing?

What is the consequence of global warming?

How might aerosol influence polar region hydrology?

Gaps: measurement of precipitation -

Microphysics is the emerging -integrative- issue

It also seems clear that we might make progress with a more integrative view tying precip to surface hydrology

How might this be practically achieved to address 'broad-scale' science

Challenges - validation (snow/blowing snow)

Real blue sky stuff

Solid precip is a real challenge - cloudsat provide an obvious new capability here but there is a gap with loss of EGPM

Could we make significant progress with broad coordinated International partnership

NASA- Decadal survey offers a pathway (ACE-B)

CSA - new EO opportunity - major contribution via instrument (radar??)

JAXA - formation fly with GCM/W (AMSR)?????

JAXA/NICT - could we explore the submm - real capability of snow in dry climes

What would we add to support surface hydro intersts beyond core_h20, clpx...