

Planning time table for VI-ACI lab campaigns:

	Project Year 1												Project Year 2												Project Year 3																																	
Project month	1	2	3	4	5	6	7	8	9	10	11	12	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3																			
Year	2007												2008												2009												2010																					
Month	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M																						
Campaigns																																																										
AIDA						1	2				3									4																																						
LACIS														1								2																																				
ZINC																																																										
SAPHIR																																																										
Partners																																																										
ICG-1																																																										
ICG-2																																																										
U-F																																																										
U-MZ																																																										
U-HD																																																										
Ift																																																										
ETH																																																										
U-HS																																																										
U-TA																																																										
External																																																										
U Manchester																																																										
LaMP C.-F.																																																										

Activities and campaigns within work package WP-L1 (AIDA):

Four AIDA campaigns:

1. AIDA ice nucleation workshop, Sep 2007

Main goal is comparing ice nucleation instruments

Participating VI-ACI partners: U-F, U-HD, ETH, U-HS, U-TA.

2. Ice nucleation campaign Nov 2007

Already scheduled with participation of U Manchester and LaMP Clermont-Ferrand

Main focus on organic coating and organic acids

Participating VI-ACI partners: ICG-2, U-HD, Ift, U-HS.

3. AIDA VI-ACI campaign, Feb 2008

Main focus on heterogeneous ice nucleation in mixed-phase clouds

Aerosol to look at:

- Untreated and coated mineral dust
- Comparison of manufactured (e.g. montmorillonite) and natural sample

- Bacteria

Participating VI-ACI partners: ICG-1, U-F, U-HD, ETH, U-HS.

4. AIDA VI-ACI campaign, Oct 2008

Main focus on heterogeneous ice nucleation in cirrus clouds

Aerosol to look at:

- Untreated and coated mineral dust
- Comparison of manufactured (e.g. montmorillonite) and natural sample
- Aircraft-emitted soot particles coated with organics and sulphuric acid.

Participating VI-ACI partners: ICG-1, U-F, U-MZ, U-HD, ETH, U-HS.

Activities and campaigns within work package WP-L2 (LACIS):

Two campaigns at LACIS facility:

1. April 2008

2. November 2008

Activities and campaigns within work package WP-L3 (ZINC):

Ice nucleation experiments at ETH using ZINC:

Activities and campaigns within work package WP-L4 (SAPHIR):

SAPHIR campaigns:

Milestones for laboratory work packages:

Milestones WP-L1

MS L1A: AIDA campaign 1 finished and data available for model studies (AIDA team, month 12)

MS L1B: AIDA campaign 2 finished and data available for model studies (AIDA team, month 18)

MS L1C: Report on ice nucleation workshop available (month 24)

Milestones WP-L2

MS L2A: Achievement of CCN closure for selected aerosol systems and provision of validated microphysical models / expressions and parameterizations (12 month)

MS L2B: Determination of freezing temperatures for selected aerosol systems and provision of validated microphysical models / expressions and parameterizations (24 month)

Milestones WP-L3

MS L3A: Laboratory studies of freezing mechanisms (ETH, month 18)

MS L3B: Conduct mass spectrometry studies of aerosol hygroscopicity (ETH, month 18)

Milestones WP-L4

MS L4A Chemical characterisation of particles at AIDA (ICG-II, Uni-MZ, month 24)

MS L4B Chemical characterisation of particles at LACIS (IfT, ICG-II, Uni-MZ, month 24)

MS L4C Process understanding for in-situ coating of pre-existing CCN and IN assessed (ICG-II, month 30).

MS L4D Couple ZINC chamber to mass spectrometers (ETH, Uni-MZ, month 24)