

ISSI Project Meeting One (Monday 14th - Friday 18th January 2019)

Time	Monday	Tuesday	Wednesday	Thursday	Friday
09:00-10:30		Presentations	Design experiments	Input	Reduction and relaxation
10:30-11:00	Break				
11:00-12:00		Presentations	Design experiments	Output	Wrap up and summarise
12:00-13:00	Lunch				
13:00-15:00	Welcome + Presentations	Discussion	Input	Free (overflow) time	
15:00-15:30	Break				
15:30-17:00	Presentations	Design experiments		Chemical network	

Sessions key

Presentations	Approx. 30 minute talks, one for each code in the project. Focus on details of model but also key scientific results. Additional slots available for science focused talks
Discussion	A group discussion following the talks, e.g: current state of 1D chemical kinetics modelling, what are the key problems that need to be solved? what is missing from the models? What is the future 1D kinetics codes for exoplanets
Design experiments	Discuss and decide on the first set of experiments for the intercomparison project
Input	Discuss and decide on the input parameters and data for each experiment: chemical network, thermochemical data, PT profile, irradiation spectrum, cross sections etc. and how to share them with everyone
Output	Agree on a standard format for the output so that comparison of results is manageable and efficient: file format, units, data (mole fractions, radiative flux, ...) and how to share them
Free (overflow) time	Free time slot if more time needed for any aspect.
Chemical network	Discussion of chemical networks
Reduction and relaxation	Discussion on reduced networks and chemical relaxation methods in 1D models
Wrap up and summarise	Final thoughts, summarise agreed actions, decide on dates for second meeting, how long should the second meeting be (3 days, 4 days, 5days?)

Participants

(Attending First Meeting? Green=Yes, Red=No, Orange=Maybe)

Marcelino Agundez

Benjamin Drummond

Sonny Harman

Christian Helling*

Eric Hebrard

Kevin Heng

Ravi Kopparapu

Jeremy Leconte

Mark Marley

Yamila Miguel

Julianne Moses

Paul Rimmer

Franck Selsis

Pascal Tremblin

Shami Tsai

Olivia Venot

Kevin Zhanle

*assumed

Presentations

Code

Agundez Model

ARGO

ATMO

Kasting Model

KINETICS

Venot Model

VULCAN

Speaker

Marcelino Agundez

Paul Rimmer

Ben Drummond

Sonny Harman

Julie Moses

Olivia Venot

Shami Tsai

