

Indian Institute of Tropical Meteorology, Pune
Winter Course on Predictability of Weather and Climate

Tuesday, January 10, 2012

9:00am – 9:30am

Welcome, Introductions and Announcements

9:30am – 10:30am; 11:00am – 12:30pm

Prediction, predictability, chaos, sensitive dependence on initial conditions (VK)

2:30pm – 3:45pm

Introduction to projects, formation of project teams, description of projects (NJM)

Wednesday, January 11, 2012

9:00am – 10:30am; 11:00am – 12:30pm

Lorenz model, Dynamical systems, attractors (VK)

Thursday, January 12, 2012

9:00am – 10:30am; 11:00am – 12:30pm

Stability, linear stability analysis, bifurcations (VK)

Friday, January 13, 2012

9:00am – 10:30am; 11:00am – 12:30pm

Dynamics of error growth, Lyapunov exponents, Lyapunov, singular and bred vectors (VK)

Monday, January 16, 2012

9:30am – 10:45am; 11:15am – 12:30pm

Predictability of weather, ECMWF model (VK)

Tuesday, January 17, 2012

9:30am – 10:45am; 11:15am – 12:30pm

Predictability of weather models, predictability of monsoon (VK)

Wednesday, January 18, 2012

9:30am – 10:45am; 11:15am – 12:30pm

Predictability of climate, monsoon predictability (VK)

Thursday, January 19, 2012

9:30am – 10:45am; 11:15am – 12:30pm

ENSO chaos, ENSO predictability (VK)

Friday, January 20, 2012

9:30am – 10:45am; 11:15am – 12:30pm

Decadal predictability and climate change (VK)

2:00pm – 3:30 pm

Project presentation (Students)

Closing