



**The Abdus Salam
International Centre for Theoretical Physics**



2160-Presentation

Conference on Decadal Predictability

16 - 20 August 2010

Introduction conference

FEUDALE Laura
*the Abdus Salam International Centre For Theoretical Physics
Earth System Physics Section Physics of Weather and Climate Group
Strada Costiera 11 P.O. Box 586 34014
Trieste
ITALY*

CONFERENCE ON DECADEAL PREDICTABILITY

16-20 AUGUST 2010, ICTP Trieste

SESSIONS ON:

- General Assessment Methodologies
- Towards Decadal Predictions
- Mechanisms for decadal variability and predictability
- Predictability in monsoon regions and elsewhere
- Regional Prediction Programme

DISCUSSION SESSION ON:

❖ **TUE: 17-30 – 18-30** *Expectations and limitations of Decadal predictions and available Decadal predictions*

(Branstator, Delsole, Latif, Merryfield, Molteni)

❖ **THU: 15:00 – 17:00** *Mechanisms for Decadal predictability and predictability in monsoon regions* *(Kimoto, Knight, Kushnir, Latif, Schneider)*



CHALLENGES in DECADAL PREDICTABILITY:

- ❑ Understanding the sources and mechanisms of decadal variability
- ❑ How to quantify and identify the numerous sources of uncertainty
 - limit observational record
 - limit of predictability
- ❑ Distinguishing between forced and natural variability
- ❑ How to develop models that provide information that can be used
 - at regional scales
 - in application models

