

MENU

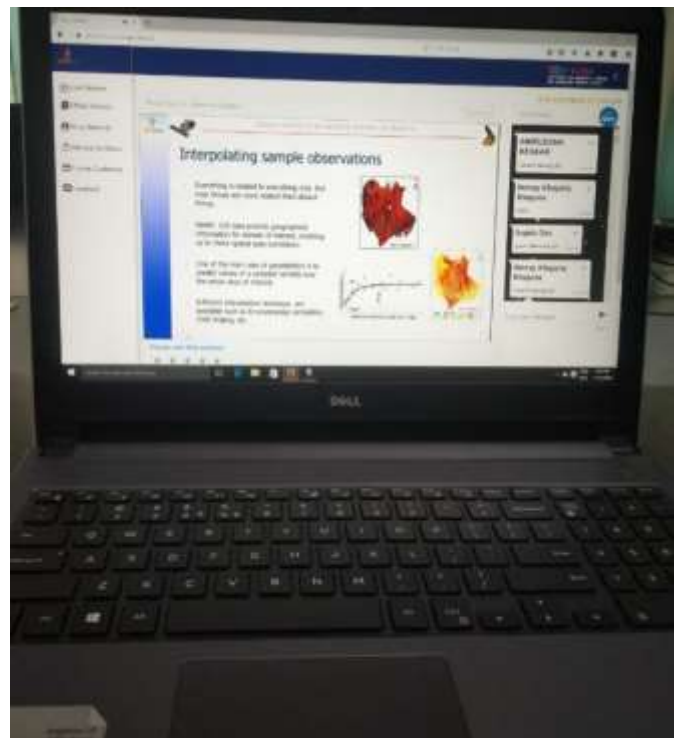
E-CLASS
ELECTRONIC COLLABORATIVE LEARNING
AND KNOWLEDGE SHARING SYSTEM

IIRS Outreach Program- Live & Interactive- 14 July
2020_Ecological niche-based species distribution
modelling
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Approaches to Habitat or Environmental Suitability Assessment

- Habitat Suitability Index (HSI)**
 - An HSI is a numerical index that represents the capacity of a given habitat to support a selected species.
 - These models are based on hypothesized species-habitat relationships rather than statements of proven cause and effect relationships.
- Mechanistic SDMs**
 - Predict suitable environments using a species' physiological limitations in their tolerance to environmental conditions.
 - Do not incorporate known occurrence records.
 - Difficult to use due to required knowledge of species.
- Correlative SDMs**
 - Aim to estimate environmental conditions suitable for a species using known distributions.
 - Correlate known occurrence records with various abiotic and biotic factors.



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IMPORTANT LINKS

