



Concept Note

Climate is a key ecological parameter for ecosystem functioning and restoration, as well as human survivability. Climate describes weather conditions over 30 years. Climate change is caused by natural and human factors. Recent changes are particularly alarming, because they are accelerated by greenhouse gas emissions and deforestation, causing adverse impacts on ecosystem services, water-, food-, and energy security.

Massive wildfires, unusual droughts, extreme hurricanes and floods have the potential to trigger social discontent. Science-based knowledge, mitigation and adaptation methods are essential precursors to enable competency-based discussions and decision-making for adaptation and mitigation.

Climate change has become a cross-cutting issue for all United Nations agencies, Member States, academia, environmental agencies, NGOs, civil-society organizations, the private sector and the general public. ***Building Climate Ready Communities*** needs a professional science-education platform, and it needs the participation of everyone. Examples from South-Asia will be presented on how climate change impacts on nature and society and our options to be improve resilience.