



*LIFELONG LEARNING FOR EFFECTIVE
CLIMATE ACTION*

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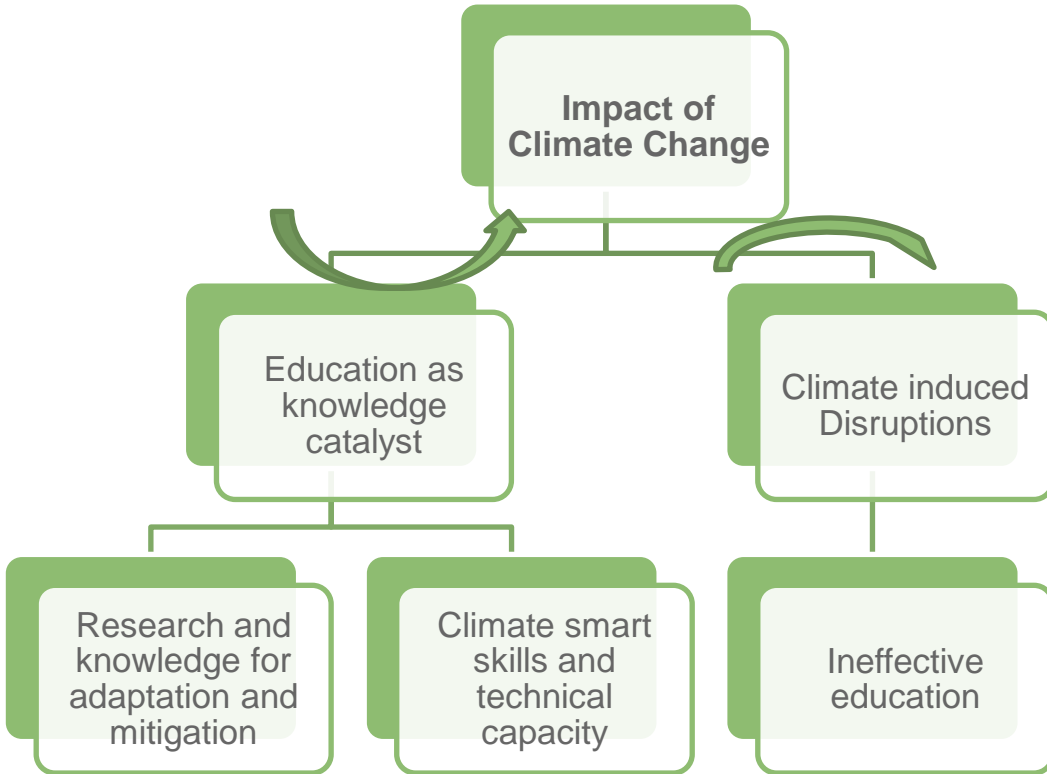
Climate Change

A Challenge of Monumental Proportions

A Critical Role for Education and Training in providing technology and knowledge solutions and steering behavior change



Climate Change and Education Nexus



Life-Long Learning

Technology, Millennials, Future Jobs, and Climate Change



Geometric progression of disruptive technology



Open learning styles

AGILE AND LIFE-LONG LEARNING APPROACHES

CLIMATE CHANGE



Long-term skills and talent to address climate change



Complex skills Fast obsolete



Uncertain future Unknown job markets

Climate Change and Education and Training

Much progress made in improving access to education

Much to be done to improve quality and relevance

New departures in thematic disciplines related to climate



| Beyond Access - quality & completion | Climate change curriculum | Skills and talent for jobs of the future |
|---|---|---|
| <ul style="list-style-type: none">• Access to secondary and tertiary education• Completion and pursuit of STEM disciplines | <ul style="list-style-type: none">• Go beyond Education for Sustainable Development (ESD)• Incorporate climate change in STEM curriculum; TVET, Higher Education | <ul style="list-style-type: none">• Talent pipeline for Green Jobs and Digital Occupations• Intersection of climate smart and digital technology |

Climate Change Education at Different Levels

| Basic Education | TVET | Higher Education |
|---|---|---|
| <ul style="list-style-type: none">• Climate change in school curriculum• STEM education• Schools as green buildings• Teacher training for developing young scientists• Monitoring of learning outcomes <p>Ensure equity and focus on girls</p> | <ul style="list-style-type: none">• Energy efficiency• Renewable energy training• Training for sustainable construction, transport,• Green Supply chain and inventory managers training <p>Promote green jobs and occupations</p> | <ul style="list-style-type: none">• Planners, architects• Engineers certified for green buildings• Energy Auditors, Building inspectors• Finance and accounting professionals• Insurance and credit valuation <p>Develop a cadre of professionals for climate resilience</p> |



Training for Jobs in Climate-friendly Occupations

| Enabling | Promoting | Verifying |
|--|--|---|
| <ul style="list-style-type: none">• Training on environmental and climate change regulations• Training for changes in behavior and consumption patterns• Knowledge of technology options | <ul style="list-style-type: none">• Environmental services• Environmental products• Eco villages, Smart Electricity Grids• Low carbon production and processing | <ul style="list-style-type: none">• Green House Gas Accounting• Certified Carbon Reduction Accounting• Eco Labeling• ISO 14001 and ISO 50001 certification• Energy audits• Protocols for MRV |





Small actions can lead to Big Impact

Every citizen has a role to play in fighting climate change.

Partnerships are key to effective climate action.



Digital and Climate Smart

SMART EDUCATION AND SMART CITIES

- + Include education services in smart city planning
- + Reinforce importance of knowledge institutions and knowledge assets - Libraries, Community Centers, Adult Education Centers, Private Sector

LIFE-LONG LEARNING AND AGILE EDUCATION AND TRAINING

- + New courses and curriculum for climate action disciplines
- + Online delivery platforms and micro credentials to serve climate action occupations
- + Reskilling and upskilling for climate resilience at the workplace

***POST-COVID-19 GREEN RECOVERY AND DIGITALIZATION A GREAT OPPORTUNITY
FOR CLIMATE RESILIENT ACTION THROUGH EDUCATION AND TRAINING***





Thank you

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