Banking on nature: a Mexican city adapts to climate change

Xalapa, Mexico, is surrounded by ecosystems which provide crucial services to the city and its 580,000 inhabitants. One of these ecosystems is the neighbouring indigenous mountain rainforest, the cloud forest, which stores carbon and provides 30% of Xalapa’s water supply. However, the city is feeling the effects of climate change and land degradation which are increasing landslide events. Together with UN Environment Programme, the residents are working to restore the cloud forest through Nature-based Solution projects under the Global Environment Facility and backed by CityAdapt project.
Forces of nature: coastal resilience benefits of mangroves in Jamaica

A recent report, “Forces of Nature” by the World Bank, the Nature Conservancy and other partners, explores the flood risk reduction services mangroves provide in Jamaica. Mangroves do not only decrease flood risk, but also provide benefits in terms of fisheries production and carbon sequestration.

Video

How trees can fight climate change

The video illustrates that trees can help us limit climate change through carbon sequestration. Trees absorb 2.5 billion tons of carbon annually and have the possibility to store even more through re- and afforestation.

Project Insight
Training of Instructors with Ain Shams University, Cairo, Egypt

A training of instructors on Ecosystem-based Disaster Risk Reduction and Climate Change Adaptation (Eco-DRR/CCA) in the Middle East and North Africa (MENA)/West Asia Region is being held with Ain Shams University in Cairo Egypt between the 1st-5th December in collaboration with the UNEP regional office for West Asia. With generous support from the Government of Norway and the European Commission, thirty participants from 11 countries mainly from Universities but also from government and NGOs across the region are learning hands on about Eco-DRR/CCA. The training will culminate with planned actions for teaching this topic at universities in the MENA/West Asia region, as well as for creating an Eco-DRR/CCA Knowledge Hub and Science Policy Network in the region.

Scientific Corner

Indicators to measure the climate change adaptation outcomes of Ecosystem-based Adaptation

Despite the potential benefits Ecosystem-based Adaptation (EbA) provides, there remains a lack of consensus on how to measure its success. Donatti et al. (2019) reviewed 58 EbA papers to identity the adaptation outcomes and the possible indicators used to measure it. The review identifies 13 adaptation outcomes that can be achieved through EbA.

Managing muddy floods: balancing engineered and alternative approaches

Agricultural runoff is causing damage to properties, transport and freshwater systems across Europe. Engineered mitigation approaches have often failed to achieve adequate protection or have been ruled out on safety or economic grounds. A combination of land-use approach and engineering is necessary to ensure risk reduction.

Upcoming Events
RIMMA 2020: 6th International conference on risk management, models and applications

26 and 27 May 2020
Hotel Si Steglitz International, Berlin (Germany)

RIMMA2020 will discuss best practices, demands, innovations and application in risk information management, particularly focusing on all phases of the disaster management cycle. The conference will also discuss methodologies and technical problems in risk modelling from the information systems and management.

See there

Job Opportunities

**Programme Officer, Nature-based Development**
Organisation: Local Governments for Sustainability East Asia Secretariat (ICLEI)
Location: Beijing, China
Deadline for application: 15 December

**Communication Officer: Digital and Social Media**
Organisation: Climate Action Network (CAN)
Location: Home based
Deadline for application: 10 January 2020

**Deputy Lead, Forest Goal**
Organisation: World Wildlife Fund (WWF)
Location: Washington D.C., USA
Deadline for application: until suitable applicant is found

**Research Associate**
Organisation: CRIMEDIM - Università del Piemonte Orientale
Location: Novara, Italy
Deadline for application: 15 December

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