

Conference

“ICCG BEST CLIMATE PRACTICES AWARD 2015: WATER, FOOD AND CLIMATE CHANGE”

Friday, 23rd October 2015

Milan Expo 2015, Cascina Triulza, Civil Society Pavilion
6.40 – 8.30 pm

“ICCG Best Climate Practices Award 2015: Water, Food and Climate Change. Best Practices across the World to grow Food and Protect Water Resources”

The 3rd edition of the ICCG Best Climate Practices Contest aims to promote sustainable practices for food production and water management in the face of climate change. The Best Climate Practices Contest is an annual initiative organized by ICCG - International Center for Climate Governance, a project developed by Fondazione Eni Enrico Mattei and Fondazione Giorgio Cini. In an effort to harness collective brainpower and promote a wide range of valuable proposals, each year ICCG's Best Climate Practices observatory invites users to submit innovative best practices to tackle some aspect of climate change. The 2015 edition addresses food production and water management, considering the impacts that climate change will have on water availability in different regions of the planet. Participants in this year's Best Climate Practices Contest came from over 20 countries around the world, and submitted both existing and new ideas primarily focused on remediating the effects of climate change in agriculture and food production. The projects promote or develop “water-smart” solutions, sustainable and climate-resilient water management systems, or strategies for a better use and conservation of water resources.

The most innovative solutions submitted to the ICCG Best Climate Practices Contest will be showcased during the conference, and the winning practice of 2015 will be awarded 10000 euros to contribute to the development of the project.

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Agenda

18.40 Introduction

Carlo **Carraro**, Scientific Director of FEEM, International Center for Climate Governance (ICCG) Director, Vice Chair, IPCC WGIII and Co-Chair, GGKP Advisory Board

19.00 Best Practices for a Smart Water Food Production

Presentation of the ten finalist projects in the 2015 Best Climate Practices Contest, according to the ranking made by online users and the Panel of Experts (composed of Michel Camdessus, Chair of FEEM advisory board; Carlo Carraro, ICCG and Ca' Foscari University of Venice; Raffaello Cervigni, World Bank; Frank Convery, University College Dublin; Alberto Garrido, Universidad Politécnica, Madrid).

Aurora **D'Aprile**, International Center for Climate Governance (ICCG), Centro Euro-Mediterraneo sui Cambiamenti Climatici (CMCC), FEEM CCSD research program

19.40 Awarding of the winner of 2015 Best Climate Practices Award (via video conference)

20.00 Display of the 2015 Best Climate Practices Award Winner's video

THE TEN FINALISTS OF 2015 BCP CONTEST

1. A Multifunctional Greenhouse to Grow Food and Collect Water



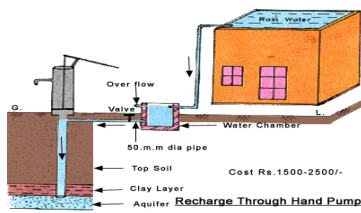
Roots Up, Ethiopia | www.roots-up.org

The multi-functional greenhouse is designed to efficiently capture dew, fog and rain water, which can be used for irrigation or as safe drinking water. The project aims to enhance the resilience and adaptation of the communities facing harsh climatic conditions, soil erosion and recurrent droughts. It also offers a training course to farming groups on how to build their own greenhouse.

greenhouse, # water harvesting, # arid areas, # soil erosion, #resilience, #adaptation

www.bestclimatepractices.org/practices/a-multifunctional-greenhouse-to-grow-food-and-collect-water

2. Water Harvesters



Water Harvester, India | www.waterharvesters.com

The project, firstly started in New Delhi in 2000, provides a system for the collection and storage of rain water that runs off natural or man-made catchment areas. The objective is to improve water management through technological interventions which increase storage quantity and quality, enhance recharge, decrease electricity consumption and ensure water and food security.

water harvesting, #catchment areas, #food security, #resilience #adaptation

www.bestclimatepractices.org/practices/water-harvesters

3. Refresca Sao Paulo



Caju Initiative, Brazil | www.cajuinitiative.org

The project goal is to provide local communities in Sao Paulo's urban areas with the necessary means to install vertical gardens on houses and buildings, enabling both water harvesting and local food production. The project aims at enhancing the urban resilience in the slums, in order to cope with the negative impacts of climate change, such as heat waves, Urban Heat Island Effect stresses and water insecurity.

#urban gardens, #water harvesting, #food security, #urban communities, #resilience, #adaptation

www.bestclimatepractices.org/practices/1669

4. Climate Smart Villages in the Hindu Kush Himalayas



ICIMOD, Nepal | lib.icimod.org

The pilot project built a net of 4 « climate-smart » villages involving more than 500 Nepal farmer households, in order to improve resilience and adaptability to climate change. The project introduces the employment of biofertilizers and biopesticides, water harvesting and conservation systems, biogas plants and a SMS notification system to share information and provide farmers with technical assistance.

#network, #communities, #biofertilizers, #biopesticides, #water harvesting, #resilience #adaptation

www.bestclimatepractices.org/practices/climate-smart-villages-in-the-hindu-kush-himalayas

5. SuDS for FOOD

Disconnection - house level



Stefania Girardi, Regno Unito e Italia

The Sustainable Urban Drainage System (SuDS) enables an efficient water storage and management and enhances food production in urban areas. It also helps in reducing the risks of floods in urban areas.

#water harvesting, #urban areas, #food security, #floods, #resilience #adaptation

www.bestclimatepractices.org/practices/suds-for-food

6. Cultive



Cultive, Brasile | <http://cultive.me>

The Cultive project develops an irrigation system that combines a sensor and a software to determinate suitable location and quantity for irrigation, considering the soil dryness and weather forecasts. The primary goal is to offer an affordable, accurate and simple irrigation system to small farmers, thus allowing them to save water and still have productive yields.

irrigation, #water management, #adaptation, #new technologies, #farmers

www.bestclimatepractices.org/practices/cultive

7. SmartRAIN



WaterView, Italia | www.waterview.it

The project explores the technical and economic feasibility of new solutions for ground-base rainfall monitoring. The innovative technology processes rainfall images in real-time at high spatial and temporal resolution, in order to offer quantitative measures of rain intensity. It is based on a high-quality, cost-effective combined hardware-software system.

#water monitoring, #water management, #irrigation, #new technologies, #farmers

www.bestclimatepractices.org/practices/smartrain/

8. Camellones and Hydro Sustainable Biotechnology (BTHAS)



Oscar Saavedra Arteaga, Bolivia | www.amazoniasostenible8.webnode.es

The Hydro Sustainable Biotechnology (BTHAS) is based on the design of ridges with raised floors and channels, aimed at providing a sustainable solution to flood and drought management. It enables managers to contain floods and save exceeding water for reuse it in case of droughts. It also offers a resilient seed bank and promotes the use of natural fertilizer to boost crops and horticultural production. The system targets indigenous communities and rural, vulnerable households.

water harvesting, #water management, #floods, #droughts, #resilience, #adaptation

www.bestclimatepractices.org/practices/1653/

9. Seawater Greenhouse



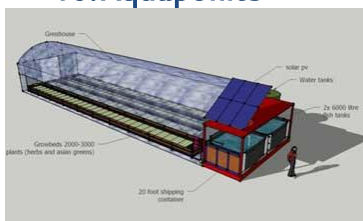
Seawater Greenhouse Ltd, Regno Unito | www.seawatergreenhouse.com

The Seawater Greenhouse provides a low-cost solution for crop cultivation in the world's hottest and driest regions. It imitates the oasis's micro-climate, by employing a simple and replicable technology that uses solar energy and seawater. So far, the technology developed by Seawater has been implemented in the Canary Islands, Oman, Abu Dhabi, Australia and Somalia.

greenhouse, #water harvesting, #water management, #arid areas, #resilience, #adaptation

www.bestclimatepractices.org/practices/seawater-greenhouse-2013-contest/

10. Aquaponics



CERES - Centre for Education and Research in Environmental Strategies, Australia | www.ceres.org.au/

Aquaponic is a combined system of aquaculture and hydroponics developed by an Australian research centre. The project provides communities with training courses and enhances local food production by ensuring highly efficient water management.

#aquaculture, #hydroponics, #food security
www.bestclimatepractices.org/practices/aquaponics/