

*A system of regional conservation emergency evacuation urban craters, capturing rainwater will give a new town/city protection and balance megacities and its urban sprawl, it might even be a supportive link between the city and green belt definition. 'Cooling carbon sinks against urban heat waves and balancing micro climates with positive green outcome can generate many health and safety benefits at the same time offer shelter and protection to its area districts.*

**CCCRdg Paper\_Campaigning for Shelter and Protection Climate Action with reference to the Sendai Framework for Disaster Response (DRR) 2015 – 2030. To be referenced in the Habitat III Agreement - Climate Change Centre Reading (CCCRdg) focusing on Urban Climate Disaster/GHG Emissions/Multi-CO2lutions.**

### **Comments, OVERVIEW on the New Urban Agenda**

The environmental footprint of urban growth and development boundaries conclusions and inclusion and resilience in the New Urban Agenda based on four years' project with placemaking and climate ambition. Climate Action response risk assessing urban resilience will by far have the most efficient adaptation/mitigation impact. Poor urban planning, lack of ecosystem restoration and short long-term environment decisions are already affecting the human health globally. Why? The youth is our future and their need for protective shelter in a changing climate, first and foremost safety.

### **KEY WORDS**

**#DutytoProtect - #DutytoPrevent - #DutytoInform - #DutytoRespond - #DutytoShelter - #DutytoCare - #DutytoForecast**

#ConservationAction #TalanoaDialogue #GCAS2018 #COP24 #FutureofPlaces #Greenbelt #DRR #Placemaking #ConservationCity #UrbanAction #Habitat3 #NewUrbanAgenda #PublicSpace #WUC #TheFutureWeWant #TheCityWeNeed #UrbanSDG #UrbanAction #UrbanThinkers #NetZero #Youngplacemakers #Roadmap2030 #ClimateAction #Vulnerability #Planetary #SDG11 #Listen2Cities #NoCountryAlone #NewUrbanGovernance #NAZCAportal #UNEA2 #Cities4Climate #G7EMM #Listen2Cities #SB48Bonn #SB44 #APA1 #Bonn #Pre2020Action #C40Award #AOSIS #GUANXI

**Habitat III is the United Nations Conference on Housing and Sustainable Urban Development.**

Habitat III – Quito 2016, (participation of Non-governmental organizations and major groups).

United Nations Human Settlements Programme / UN-Habitat, Nairobi, Kenya  
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Reading, UK 11/10/2018

**To the preparatory unit on Urban Risk Reduction Unit, City Resilience Profiling Programme  
“How a UCCEP standard can help protect and increase the resilience of urban vulnerable poor and at-risk eco-systems against multi-disaster”**

Please find below Climate Change Centre Reading's (CCCRdg) climate adaptative capacity protection Multi-CO2lution on the SDGs, the New Urban Agenda and the Sendai framework **cross-over areas**;

- Inclusive Cities (a.o. Pro Poor, Gender, Youth, Ageing)
- **Resilient Cities (right to protection) can cut carbon emissions up to 10%**
- Urban Governance
- Urban and Spatial Planning and Design
- Public Space
- Cities and climate change and disaster response recovery management
- Transport and Mobility – Smart Indicators and Drones (AI)

A: The Transformative Commitments for Sustainable Urban Development, SDGs  
B: Effective Transferable Implementation

## OVERVIEW

Connecting communities

Facilitating connectivity as well as net carbon mobility through the improvement of conservation emergency evacuation craters and facilities between urban and rural areas to allow universal benefit and access to quality public spaces / places, which tend to be concentrated in urban areas due to population density and economies of scale.



## Local governments need to draft Urban Conservation Emergency Evacuation Plan/Programme (#UCEEP)

Dealing with a climate crisis has now gone #planetary — planners and policy makers alert the importance for vulnerable citizens of having an **Urban Conservation Emergency Evacuation Plan/Programme (UCEEP)** policy in place for the outcome of the New Urban Agenda, proven realistic in an actual emergency. Urban havocs in the footsteps of climate change require for the first time to mainstream disaster relief planning.

Considering the general policies of the national and local governments a second draft UCCEP to complement the 2030 agenda, for urban settlement equipped with detailed evacuation plans for facilitating and handling a climate crisis as seen in every continent on the planet. Vulnerability and inequality are issues we all have a responsibility to solve, agroecology farming and agroforestry are good examples and a way forward support this initiative.

On the ambitious work of Climate Action with Governments and Stakeholders; Non-state actors, Multi-actor's governance and Multi-stakeholder's platforms; What role can regional partners play to bridge the national implementation agenda with the global guiding principles and frameworks? How can nations synergise and harness efforts to protect and offer urban preparedness to urban hazardous-zones and at what level?

## Background on understanding Disaster Risk Resilience

Can your city be able to identify initiatives and best practices on how to integrate disaster risk reduction and climate change adoption into urban planning? How to assess the risk management situation in your city as a mean to develop a safe and resilient action plan?

Strengthen the capacities of government officials, especially those at the local level, and disaster management professionals to design and implement plans and programmes that reduce disaster risk and enhance resilience.

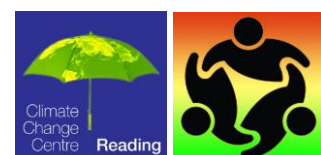
- Raise awareness about the Making Cities Resilient;
- Identify initiatives and best practices on how to integrate disaster risk reduction and climate change adoption into urban planning;
- Assess the risk management situation in their cities by using a tool;
- Develop a safe and resilient country/city action plan;
- Analyse the purpose, the goals and the outcome of the Sendai Framework

– FOR THE PURPOSE OF THIS PAPER, AN URBAN EXTREME CLIMATIC EVENT IS DEFINED AS ANY ACTUAL CLIMATIC EVENT REQUIRING EVACUATION.

United Nations expressed in report the urgency of implementation of the SDGs together with the New Urban Agenda. To embed **Disaster Risk Resilience** with an Urban Conservation Emergency Evacuation Plan (UCEEP) policy in place on the international agenda is a transformative change in urban risk-behaviour. - First, give evidence that risk assessment in every action will support mitigation efforts and further generate understanding and positive impact of carbon and methane reductions to help increase the ambition of states Nationally Determined Contributions by 2020. UCEEP to protect, restore and promote sustainable use of urban ecosystems?

### Urban Conservation Emergency Evacuation Plan/Programme second draft Based on three different urban extreme (increasingly frequent and intense) climatic event scenarios

Most urban population living within 30 km of a climate change emergency centre area, and about 10% within 5 km of it. Of the total affected, about 1/3 reside near outside the emergency centre and another 2/3 are within disaster area in the neighbouring urban habitat prefecture. All would have to be evacuated in the event of a disaster, senior citizens (to think through more carefully how to support the evacuation of older people and perhaps include them in future drills, which should be carried out in each district area) and children. The evacuation should be preceded by skilled and realistic adaptive capacity building **effectiveness drills** due to post-evacuation considerations and evaluation.



## 1.1

- In the first scenario, known as Operational Response Level (ORL) 1, sudden impact disaster detected. In the second scenario, ORL 2, between 36 and 60 warning alerts per hour, with a base level between 12 and 24 warning alerts per hour set for ORL 3.

Catastrophic – urban extreme events of potentially catastrophic proportions that severely disrupt health and social care and other functions (mass casualties, power, water, etc.) and that exceed even collective capability with the support-hub structure. Additionally, there are pre-planned major events that require planning, for example, demonstrations, sports fixtures, air shows etc. and may also require a “speedy and effective” climate disaster response. There may also be events occurring on a national scale such as unrest, riots, fuel strikes, pandemic or multiple events that require the collective capability of the healthcare nationally.

### **CATASTROPHIC IMPACT INCIDENT**

First responders, an expandable force will be notified that an urban extreme climatic event has been declared by emergency bleep. Responders would automatically clear routes into cities and establish distribution and medical-hubs (triage centers). Also:

The nature of the Operational Response Level (ORL) 1 Declared may dictate the immediate areas with increased pressures (i.e.: Hospitals, Government Services, Armed forces). The focus of the Municipality Outreach Team will be to support the rest of the key stakeholders and to assist with critically injured casualties flows where possible.

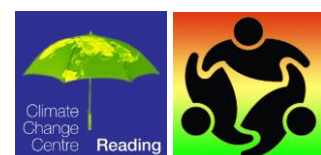
- Respond to emergency bleep and high priority calls in the normal way
- Liaise with the Municipality Outreach Team Manager
- Liaise with ORL coordinator

In addition to loss of life, the emergency plan calculates that as many as 1/10 of the populated emergency centre will require medical attention. Wind, fire and water are estimated to destroy hundreds of structures, with an additional thousands of buildings expected to collapse or suffer severe structural damage.

With global disaster relief planning it is possible to estimate and double the additional manpower resources to complete the evacuation civil citizens may also be asked to facilitate movement of casualties from further immediate danger in the disaster district zone to support the first responders. Or to retrieve critically injured from the emergency centre to an area suitable for their comfort and treatment.

Contact members of the Municipality Outreach Team and assess availability over the next 48hrs.

Instant updates and call 24-hour help lines within local authority community website for Emergencies and Public Safety. Information to keep your family, your home and your community safe.



- Establish emergency contact procedures among friends and family, including checking how to use Disaster Emergency Dial, a disaster voice message board provided by telecommunications company.
- Stock three days of emergency supplies of food, water, and other daily necessities.
- Be prepared to evacuate quickly if fires break out.
- Refrain from moving about outside or driving unless absolutely necessary.
- Refrain from buying up available stocks of emergency items.

**Warning alerts combined with urban calamities alert levels for Storm wind speed, dust level, Rural/Landscape fire smoke plume, flames, Fluvial flooding rain level, Heat wave temperature, dry conditions / nitrogen dioxide level etc.**

In ORL 1, evacuation procedures would be put into place immediately of confirming the first shock hazard level. For ORL 2, the time frame is within hours. The plans call for sending more than 1/3 of the emergency centre residents within 5 km to 30 km of the disaster area, towards the nearest preventive emergency evacuation area, urban crater, via urban **evacuation corridors** and tunnels designed for people and multimodal transportation.

Ideally, it would not take 1,000 residents more than 0.5 hours per evacuation corridor to be re-routed to their dedicated preventive urban crater, city arena or support-hub destination (e.g. offices and schools etc.).

About 2000 UCEEP cities could offer protection and shelter and give post-disaster support to roughly 200,000,000 residents who also live between 5 km and 30 km of the predestinated **disaster district zone** and would have to be evacuated. Within the urban habitat prefecture, the flow would be directed to a **conservation emergency evacuation area, urban crater**, to a regenerative city arena or to a disaster support-hub, as well as to peri-urban areas outside the emergency centre area and disaster area. Knowledge of how to avoid and safeguard **Disaster response routes** (helps emergency responders get to people who need help quickly and to ensure that shipments make it to destinations quickly and smoothly), these are **not** evacuation routes for use by the general public.

*"The inclusion of Ministry of defense (MOD) sites is considered necessary to complete the picture, although it is understood there are difficulties in authorising the use of these sites and that their use cannot be guaranteed. However, it is also understood that the incident that causes the requirement for a large scale evacuation may be of such magnitude, that the MOD would be willing to authorise their use. A database of MOD sites and their potential capabilities is held by the Joint Regional Liaison Officer (JRLO)."*

Most of the roughly 10% of residents living within 5 km of climate change emergency centre area would be evacuated to neighbouring towns.





## Based on three different urban extreme (increasingly frequent and intense) climatic event scenarios

### 1:2

- A key concern local officials have is how the regional government will initially respond to a sudden impact disaster. The plan for dispatching the first responders and relief goods from the provincial capital calls for Air Self-Defense Force transport planes at dedicated Air Base to fly to nearest local open Air Base in the local habitat Prefecture (a one-hour flight), where their cargo will be transferred to helicopters and ferried over the disaster area to the emergency centre, 30 minutes away.

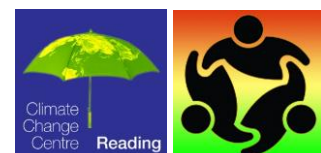
Yet all the detailed plans are all based on the assumption that the roads leading out of the emergency centre — which perhaps lies in a remote area on the Sea — to the disaster district zones in other parts of the evacuation centre, as well as to neighbouring urban habitat, will not have been damaged; that there will not be mass panic that clogs/paralyse the roads; and that there will be enough time for residents within 30 km of the plant to get to safety; that people won't be stranded throughout the region also Keeping Level Heads.

### Facility Explosion Risk (FER)

Long term evacuation happens if the climatic event has triggered an earthquake or other natural disaster that has destroyed the roads. Or, what happens if an accident occurs in the midst of a blizzard, where icy roads and hazardous driving conditions can lead to accidents that block or paralyse the roads and create long traffic jams?

The Cabinet Office's plans state that, in the event of a severe natural disaster that makes fleeing by road impossible, and residents will be evacuated by sea from the neighbouring port, which has a Maritime Self-Defense Force base (Although several Prefecture plans to use ships for evacuation, it's not clear that all harbors will be safe or operable). Helicopters will land at about a dozen designated areas along the main roads in the emergency centre and in the disaster area that lie within the 30-km evacuation radius.

Short term evacuation take place in major cities equipped with up to six preventive conservation emergency evacuation areas, urban craters, holding stock enough to protect its evacuees for one month. Before it's safe enough for the inhabitants and residents of emergency centre and disaster area to return to their habitat. Relief supply will include meals, blankets, infant formula, disposable diapers and extra supply of drinking water.



## Based on three different urban extreme (increasingly frequent and intense) climatic event scenarios

### 1:3

It is the central government's duty to take responsibility in the event of an urban climatic emergency to protect the lives of people and their property

For some local politicians outside local community, the evacuation plans represent a challenge and an opportunity. For small towns mayors meet with regional ministers of the Ministry of Economy, Trade, and Industry asking the provincial capital to provide funding in next year's fiscal budget for improving roads etc.

Hard copy **Action Cards** are necessary for the municipality due to its size and particularly where temporary staff change fairly frequently. It is not possible for every person employed in the council to know and be completely familiar with the Urban Conservation Emergency Evacuation Plan/Programme in its entirety. Each part in the Urban Conservation Emergency Evacuation Plan/Programme is therefore described on action cards that can be easily obtained and read. These cards are stored within relevant departments in the municipality, which will ensure that the support-hub and conservation emergency evacuation area, urban crater of activity during a catastrophic event can respond.

Action cards have been prepared for staff to follow during an urban extreme climatic event. The action cards contain the individual's responsibilities in performing that role, a checklist of tasks and titles and locations of key contacts. Other members of staff likely to be involved will also work to action cards.

There are a lot of issues regarding infrastructure for areas of evacuation (inclusive **urban vertical evacuation aids**) and safeguarding of evacuation routes, pointing out that funding for road improvements had yet to be guaranteed.

### How the UCEEP solution work, and what is the medium-term vision for global impact?

Cross-border-boundary Multi-CO2lutions. Involve implementers in city framework processes. Municipality programs to engage civil society Adaptation measures with climate data tools --> Lead points Identify gaps --> More use of pressure points Losses from climate change - Balance risks and opportunities (loss turned into competitive advantage) --> Humanitarian Financing within Supply Chain - Human Rights - Civil Society - Vulnerability Bring stakeholder to the center to feel participation, subject to participation. Map stakeholders (Champions) out, divide in groups - ""feedback to committees"" - structure + agenda Can monitoring indicators alone identify urban hazards and exercise disaster relief law of public response? Healthy decisions for urban conservation and risk will lead to less human suffering if nothing is changed in plan they will bring higher costs to the near future. Since cities are ahead of states constantly and transitioning new urban networks forming, the conversation plays a bigger role in bringing all the stakeholders together. → How REinsurance can help protect and increase the resilience of urban vulnerable poor and at-risk eco-systems against multi-disaster



REF. GAUTENG PROVINCIAL GOVERNMENT 2018

**Foster inclusive cities** expand opportunities through inclusive settlements and mobility options, support asset-building for sustainable livelihoods, and tackle land-based exclusion;

**Defy the trappings of social exclusion** which occur in the form of inequality, discrimination, racism, patriarchy, sexism, hetero-sexism and intolerance;

**Exercise leadership on the world stage** to solve the local and global issues that affect the world population, as set forth in the Montréal Declaration proclaimed at the XII Metropolis World Congress held last year;

**Harness the potential of technology** to reduce costs and level the playing field for inclusive development, and foster just, inclusive, adaptive, responsive, transparent and accountable governments;

**Work together** with national and international institutions, and especially with peers from the Global Taskforce of Local and Regional Governments, in advocacy mechanisms, such as the Urban 20 initiative, towards achieving the shared ambitious objectives of the global agenda, while enhancing the voice of metropolitan communities worldwide;

**Call upon** more partners around the world to join us advocating for diverse metropolitan perspectives, in our commitment to the ideal of inclusive metropolises for and by their citizens.

REF. HABITAT III POLICY PAPER FRAMEWORK 6- URBAN SPATIAL STRATEGIES

#### **Designing the Sustainable Conservation City**

Compact development and re-development on a human scale is the basis for the enjoyment of urban life by all, the satisfaction of basic needs, a vibrant economy and the protection of the environment.

#### **Using Land Markets to Combat Segregation**

Appropriate legislation and planning measures can make sure that part of the wealth generated by urbanization processes is shared collectively providing security of tenure and access to land and services and combat physical and social segregation and improve the living conditions of the urban poor.

#### **Extending the Benefits of Urbanization to All**

Urban strategies must guarantee that the benefits and services cities can offer are shared by all, regardless of income, lifestyle, place of residence and type and size of settlement.

#### **Integrating Levels, Scales and Actors of Planning**

The integration between levels of planning, sectors and urban and rural development is essential for the success of urban spatial strategies. Useful tools to achieve this goal are available, including the International guidelines on Urban and Territorial Planning.

#### **Shaping the City through Green and Public Space**

Green and public space is what defines the identity and character of a city, expresses its physical structure and provides the lifeline of city life: recreation, mobility, interaction, and togetherness.

#### **A Global Dialogue for Sustainable Planning**

The continuation of a global dialogue on the sustainable organization of urban and rural space will be vital for the successful implementation of the New Urban Agenda and the Sustainable Development Goals. The processes put in place by Habitat III could usefully be translated into continuous activities devoted to networking and the exchange of ideas, experiences.

*Climate Change Centre Reading, October 11, 2018*

*Page 8 of 9 - info @ cccrdg .org .uk*

*“Consider climate change in every action”*





REF. UNISDR 2012

Resilience Action Planning – Implementing the Sendai Framework at the Local Level.

Over the past 20 years disasters have affected 4.4 billion people, caused USD 2 trillion of damage and killed 1.3 million people. Disasters have affected people living in developing countries and the most vulnerable communities within these countries.

Within the context of increased urbanization, urban risk continues to rise. The vulnerability of cities to disasters is growing especially as poor people settle in high-risk urban areas. Unfortunately, the planning and development of cities has given little consideration to the consequences of hazards such as earthquakes, hydro-meteorological risks and others, can have on their population and infrastructure.

The implication of this reality is the need for countries to focus on creating a safer world for urban dwellers and developing a series of innovative approaches to build resilience.

- 1 Disaster Risk Reduction concepts and Introduction to Current Trends in Urban Risk
- 2 Implementing the Sendai Framework for Disaster Risk Reduction (2015 - 2030)
- 3 Introduction to Making Cities Resilient (MCR) Campaign Tools
- 4 DRR Assessment and Analysis Tools
- 5 Mainstreaming DRR into sectoral Programmes for Socio-Economic Development
- 6 Developing, Implementing, Monitoring and Evaluating Safe and Resilient Action Plans

### **URBAN CONSERVATION EMERGENCY EVACUATION PLAN (UCEEP)**

The physical cradle for the Global Goals. First and foremost an UCEEP provides protection and shelter to urban residents, it's assets and urban environment. Secondary on medium-term building on the Sustainable Development Goals, investing in the UCEEP a scalable multi-function solution will generate long-term health and wellbeing to the people and the planet.

