



Climate Change Centre Reading  
17 Newbury Close  
RG10 9RT  
Berkshire  
(Reading, United Kingdom, 31-10-16)

Reading\_ECO4CLIM - Ecopreneurs for the Climate 2016 - 28 Oct 2016 -Global  
ECO4CLIM\_Rdg Climate Innovation +Jobs Draft Strategy Outcome Document 31 October 2016

To:

Reading Borough

(Strategic Environment, Planning & Transport Committee  
23-NOV-2016 Meeting 23 November 2016 at 6:30pm in the Council Chamber)

Civic Offices, Bridge Street, Reading RG1 2LU

**SUGGESTED CLIMATE CHANGE STRATEGY:**

**December 21, 2016** (RE: RE:RE: ltr-carl emerson-dam - reading climate change strategy)

**Ecopreneurs for the Climate in Reading Climate LAB  
28 October 2016**

**Preamble**

C40 Cities / Covenant of Mayors (Compact of Mayors) / WRI / ICLEI / Eurocities and many more city organisations have acted since Paris to advance mitigation objectives

Carbon policy options are available for countries to implement even relatively ambitious mitigation targets

Potential for cities to go beyond their Nationally Determined Contributions (NDCs) targets

Governance and institutional arrangements must be significantly improved for countries to achieve their goals

Why we “glocally” adopt the Sustainable Development Goals, Goal 13: Take urgent action to combat climate change and its impacts and Goal 11: Make cities inclusive, safe, resilient and sustainable

<http://www.un.org/sustainabledevelopment/blog/2016/12/city-mayors-strengthen-efforts-to-tackle-climate-change>

- |   |       |
|---|-------|
| A) Suggested #ECO4CLIM_Rdg Climate Innovation +Jobs Strategy 1.5        | p.2   |
| B) The A–L Reading #CitiinCiti Key                                      | p.2   |
| C) 2016 –2040 #Citiinciti Targets for mitigation/adaptation and ecology | p.2-5 |
| D) Realization of the New Urban Agenda on the ground                    | p.6   |
| E) 10 recommendations for Planning for the climate challenge            | p.7   |
| F) Goal 13/11 Targets   | p.8   |



Climate Change Centre Reading  
17 Newbury Close  
RG10 9RT  
Berkshire  
(Reading, United Kingdom, 31-10-16)

## **A. Suggested #ECO4CLIM Rdg Climate Innovation +Jobs Strategy 1.5**

### **4 your I's only,**

Complete decarbonisation of the local economy (Zero Carbon), which is necessary to avoid the gravest climate risks, can only be achieved by profoundly - transforming energy systems and other high-emissions infrastructures. This transformation could inspire **Innovation** and channel **Investment** into sustainability and climate protection, and into the kinds of sustainable **Infrastructures** (accessibility) that need to be established and expanded. At the same time, the transformation could combat inequality and promote **Inclusion** within societies and “glocally”, thus becoming an equity project. See last page: Realisation of the New Urban Agenda on the ground.

**B. The A-L Reading #CitiinCiti Key to Suggested #ECO4CLIM Rdg Climate Innovation +Jobs Strategy 1.5 can be found here: [www.cccrdq.org.uk/CitiinCitiKey](http://www.cccrdq.org.uk/CitiinCitiKey)**

## **C. By 2016**

**Acknowledgement of open pledge to respect and honor the Paris Agreement\* was formalised on the 18th December 2015. It has entered force on the 4th November 2016 and is now bound into Law of Treaty.** *“England’s planning system is not effectively engaging with current risks and is simply disengaged from its core task of addressing long-term future change. The system remains critically unprepared to deliver both carbon dioxide emissions reduction and the kind of resilience measures needed to deal with the scale of the climate change impacts anticipated in the UK, as identified by the scientific evidence.”*

**RBC needs to fast track actions now towards a 100% sustainable Reading. Every Planning Application must have mitigation/adaptation and ecological consent and all new-build should be passive housing. OBJECTIVE 2020: READING BOROUGH TO COMMIT TO ECOLOGY**

**A. Climate change: Mitigation & Adaptation, L. Integrated Environmental Management**

## **By 2020:**

**Empower the local government to create an inclusive accessible city (social inclusion and access to water, sanitation or electricity in high-risk areas) and shared development in accordance with the New Urban Agenda, the UN Habitat III framework. Implement new strategies to meet the Sustainable Development Goals: Substantially increase the number of cities and human settlements adopting and implementing integrated policies and plans towards inclusion, resource efficiency, mitigation and adaptation to climate change, resilience to disasters, and develop and implement, in line with the Sendai Framework for Disaster Risk Reduction 2015-2030, holistic disaster risk management at all levels**



Climate Change Centre Reading  
17 Newbury Close  
RG10 9RT  
Berkshire  
(Reading, United Kingdom, 31-10-16)

1) Comprehensive Cycle Network

**B. Local transport**

2) Monthly Car-Free Work-Day, instigated by the Council

**A. Climate change: Mitigation & Adaptation, B. Local transport, E. Ambient air quality**

3) 25% Energy Self-Sufficiency from Berkshire renewables (PV roofs rather than panels) and Energy Storage

**A. Climate change: Mitigation & Adaptation, K. Energy performance**

4) 25% Food Vegan Self-Sufficiency

**A. Climate change: Mitigation & Adaptation, B. Local transport, H. Water management**

5) Complete pesticides, monsanto and shale gas extraction ban

**D. Nature and biodiversity**

6) 25% of new homes Passive

**A. Climate change: Mitigation & Adaptation, K. Energy performance**

7) Dedicate one city area to a Net Zero district, a green city, water infiltration showcase area.

**A. Climate change: Mitigation & Adaptation, K. Energy performance**

8) Hydro-electric Dam up and running

**A. Climate change: Mitigation & Adaptation, K. Energy performance, L. Integrated Environmental Management**

9) All street lights maximum 3000K CCT + switched off/dimmed after midnight (BLACK NETWORK)

**D. Nature and biodiversity**

10) Waste collection system based on same county rules

**G. Waste production and management**

11) Planning for disaster response. Prepare an urban climatic emergency evacuation plan, should be preceded by skilled and realistic capacity building effectiveness drills due to post-evacuation, considerations and evaluation.

**A. Climate change: Mitigation & Adaptation**

12) Make sure pollution from city growth activities does not increase.

**A. Climate change: Mitigation & Adaptation, C. Green urban areas incorporating Sustainable Land Use, E. Ambient air quality, I. Waste water management**

*"Improve our understanding of climate risks and opportunities for innovation.*

*Continue ongoing work into innovative phosphorus treatment trials for treating sewage effluent 2016 – 2020. Assess innovation opportunities that prevent, detect or improve our response to incidents, and build these into existing improvement projects or new research projects 2016 – 2017. Input into a review on local innovative construction materials to assess whether they can improve the performance of assets, extend design life and reduce on-going maintenance costs 2016 – 2020. Update our sustainable procurement guidance and tools to incorporate the consideration of those category purchases which have a high vulnerability to climate related risks that may affect the goods, services and works we buy, seeking alternatives through innovation and market development where relevant. 2016 – 2017~EA UK"*

13) Address how existing armed forces and military reserves (civil) can become an urban stakeholder resource and partnership with the civil society and local authorities.

**A. Climate change: Mitigation & Adaptation**

14) Green public institutions that have divested/invested

**A. Climate change: Mitigation & Adaptation**

15) Organic farming, Char grow, Hemp cultivation and biological corridors (BROWN NETWORK)

**Green urban areas incorporating Sustainable Land Use, D. Nature and biodiversity**

16) Diverse Eco-friendly light, heat reflective building materials and pillar construction

**A. Climate change: Mitigation & Adaptation**

17) Chimneys Removal by Design Programme (Clean Air / Heat Efficiency)

**K. Energy performance**



Climate Change Centre Reading  
17 Newbury Close  
RG10 9RT  
Berkshire  
(Reading, United Kingdom, 31-10-16)

18) Improve Greater Reading's indoor/outdoor environment with noise assessment in residential and public buildings

**F. Quality of the Acoustic and Lighting Environment**

19) Between 2017-20 Focus more on Ride-Sharing, cities are getting increasingly congested due to single-occupancy car trips. Council-run cargo bike delivery service for transport of goods.

**B. Local transport, E. Ambient air quality**

20) The Borough Council involved in own local divestment campaign, pensions, Rdg UNI etc.

**A. Climate change: Mitigation & Adaptation, L. Integrated Environmental Management**

21) All children in Reading to walk to school safely

**C. Green urban areas incorporating Sustainable Land Use**

22) CHALLENGE: SET OUT A CLEAR VISION COMPETITION RDG-2030 for every local resident to get behind and support. With two main criteria: sustainability, climate resilience and aesthetics.

23) A walkable (modal) accessible central recycling centre, points system

**G. Waste production and management, J. Eco-innovation and sustainable employment**

24) A meat free city center zone (Vegan life style) with repair-, second hand and eco-shops

**F. Quality of the Acoustic and Lighting Environment J. Eco-innovation and sustainable employment, M. Sharing Economy**

## **By 2030:**

**Connect regional and local city grids and networks to fulfil Agenda 2030 Global Goals. Fully developed partnership governance**

1) Urban habitats for declining species, created with local soil, compost and deadwood

**D. Nature and biodiversity**

2) Car Free Town Centre, sustainable public transport systems for all

**B. Local transport, E. Ambient air quality**

3) Comprehensive Tram/Podcar/Monorail Network "Garden Ring"

**B. Local transport, E. Ambient air quality**

4) 50% Energy Self-Sufficiency from renewables

**K. Energy performance**

5) 50% Food Self-Sufficiency

**L. Integrated Environmental Management**

6) 50% of all new homes Passive House or better (25% of old stock)

**A. Climate change: Mitigation & Adaptation, K. Energy performance**

7) Air Quality up to WHO standards

**E. Ambient air quality**

8) Reading Dark Sky Status

**D. Nature and biodiversity, L. Integrated Environmental Management**

9) Shaded and underground safe, inclusive and accessible open spaces

**A. Climate change: Mitigation & Adaptation, L. Integrated Environmental Management**

10) Network of fire corridors (GREEN NETWORK)

**A. Climate change: Mitigation & Adaptation, D. Nature and biodiversity, J. Eco-innovation and sustainable employment**

11) Have a fully developed decrease (territorial coherence) plan, an upgradable/reversible plan in place to prevent further urban sprawl. Also, working arial depavement/permeable schemes.

**L. Integrated Environmental Management**

12) Sharing economy in full bloom

**J. Eco-innovation and sustainable employment, L. Integrated Environmental Management**

13) Cradle to cradle "second life" product cycles

**J. Eco-innovation and sustainable employment, L. Integrated Environmental Management**



- 14) Replace pipes with sponge districts to manage rain and flooding risks  
**A. Climate change: Mitigation & Adaptation, H. Water management**
- 15) We need to address how existing armed forces and military reserves can become a stakeholder and partnership with the civil society and local authorities  
**A. Climate change: Mitigation & Adaptation**
- 16) Landmark green vegetation cultural buildings to tackle clean soil, water and air  
**D. Nature and biodiversity, E. Ambient air quality, G. Waste production and management, H. Water management, I. Waste water management**
- 17) Implementation of designed layers for restoration and safeguarding of ecosystems and biodiversity  
**D. Nature and biodiversity, L. Integrated Environmental Management**
- 18) Natural resource water, urban underground/overground rivers and riverbanks for flood control (BLUE NETWORK)  
**A. Climate change: Mitigation & Adaptation, H. Water management**
- 19) Support least developed countries, including through financial and technical assistance, in building sustainable and resilient buildings utilizing local materials  
**M. Sharing Economy**
- 20) Promote mechanisms for raising capacity for effective climate change-related planning and management in least developed countries and small island developing States, including focusing on women, youth and local and marginalized communities  
**M. Sharing Economy**

## **Reading by 2050:**

**Reading Garden City – Clean soil, clean water and clean air to slow global warming**

- 1) Reading 100% Fossil Free  
**A Climate change: Mitigation & Adaptation, H. Water management, L. Integrated Environmental Management**
- 2) Reading Garden City with Biodiverse Green Roofs, Shadowed Biodiversity Zones, Wildlife Corridors, Incredible Edibles and the right to an allotment for every household.  
**D. Nature and biodiversity, L. Integrated Environmental Management**
- 3) Reading Comprehensive air-ship docking connectors to Tram/Podcar/Monorail Network “Garden Balloon” for regional transport, heavy duty and tourism (Rdg Hyperloop?)  
**B. Local transport**
- 4) Reading, Covered Walkable Urbanism protecting against acid rains  
**A Climate change: Mitigation & Adaptation**
- 5) Reading 100% Energy Self-Sufficiency from renewables and a net producer to Berkshires energy grid  
**A Climate change: Mitigation & Adaptation, K. Energy performance, L. Integrated Environmental Management**
- 6) Reading 70% Food Self-Sufficiency  
**D. Nature and biodiversity, Waste production and management**
- 7) Reading 100% of new homes Passive House or better  
**L. Integrated Environmental Management**
- 8) Reading fully developed Climatic Emergency Evacuation Response Programme with specifically designed multi-functional usage protection zones against floods and super storms, with capacity for 50-100:000 people  
**A Climate change: Mitigation & Adaptation**
- 9) READING CLIMATE LANDMARK green vegetation infrastructure to tackle clean soil, water, air and wildlife  
**D. Nature and biodiversity, E. Ambient air quality, G. Waste production and management, H. Water management, I. Waste water management, L. Integrated Environmental Management**





### D. Realization of the New Urban Agenda on the ground

*Because of the growing links between global and local challenges, local and regional governments now play a greater role in the regulation of the urban fabric and territories, and the protection of the commons. However, they often lack the resources to meet these new challenges, putting pressure on their ability to fulfil pre-existing responsibilities. To contribute to what in the SDGs is termed a 'transformed world', local and regional governments across all world regions must be proactive and commit the following skills /actions:*

**1. Improve their strategic management capacity.**

Local and regional leaders must develop new capacities and modes of leadership to respond to and take advantage of new opportunities that are opening for the achievement of the SDGs and the New Urban Agenda

**2. Boost participation by fostering a buoyant and autonomous civil society to co-create cities and territories.**

Local and regional leaders should use participatory democracy, shared public services, social and cooperative housing and collaborative- and solidarity-based economies contribute to a new effective and democratic governance approach, aiming at the common good. To be driving force behind the eradication of inequalities

**3. Harness integrated urban and territorial planning to shape the future of cities and territories.**

Strategic planning is an essential component of management. It integrates spatial planning, land use, economic stability, infrastructures and other dimensions that are key responsibilities of local and regional governments

**4. Ensure access to quality and resilient infrastructures and basic services for all.**

Access to basic services is a human right that should be guaranteed for all. Local and regional governments should expand services and, at the same time, reduce the environmental impact of urban infrastructures. To 'square the circle', they must be given powers to experiment with innovative approaches

**5. Foster local economic opportunities to create decent jobs and social cohesion.**

Local and regional governments should have the necessary policy powers and resources to control economic development levers and take advantage of an ongoing transformation of the global economy to boost endogenous economic development

**6. Put the 'Right to the City' at the centre of urban and territorial governance.**

Growing inequalities create new forms of poverty and exclusion. Local and regional governments face the daily responsibility of tackling socio-spatial exclusion and promoting social justice, integrating migrants, preventing discrimination and urban violence, and protecting social rights to ensure prosperity and well-being

**7. Lead the transition toward low carbon, resilient cities and regions.**

Greener cities and territories are the key to a sustainable future. Local and regional governments must move towards sustainable production and consumption patterns and act to mitigate and adapt to climate change

**8. Promote local heritage, creativity and diversity through people-centred cultural policies**

Culture is a vital element of citizenship, integration and co-existence. Culture should be seen as the fourth pillar of sustainable development. All citizens have the right to culture. Cities and territories should promote active cultural policies, in particular



**Climate Change Centre Reading**  
17 Newbury Close  
RG10 9RT  
Berkshire  
(Reading, United Kingdom, 31-10-16)

## E. 10 recommendations for Planning for the climate challenge, understanding the performance of English local plans

- 1: Re-prioritise climate change in the local plan system
- 2: Provide clarity on the legal requirements on climate change
- 3: Provide clarity in national policy
- 4: Define the scope of climate evidence in local plans
- 5: Deal clearly with risk
- 6: Reform the governance of the delivery of action on climate change
- 7: Review the scope of the English spatial planning system
- 8: Provide adequate resources to plan for climate change
- 9: Encourage spatial planning over the long term
- 10: Promote new forms of strategic co-operation

<https://www.tcpa.org.uk/planning-for-the-climate-challenge>



**Climate Change Centre Reading**  
17 Newbury Close  
RG10 9RT  
Berkshire  
*(Reading, United Kingdom, 31-10-16)*

## **F. Goal 13/11 Targets**

Strengthen resilience and adaptive capacity to climate-related hazards and natural disasters in all cities

Integrate climate change measures into national policies, strategies and planning

Improve education, awareness-raising and human and institutional capacity on climate change mitigation, adaptation, impact reduction and early warning

Implement the commitment undertaken by developed-country parties to the United Nations Framework Convention on Climate Change to a goal of nationally mobilizing jointly \$100 billion annually by 2020 from all sources to address the needs of developing countries in the context of meaningful mitigation actions and transparency on implementation and fully operationalize the Green Climate Fund through its capitalization as soon as possible

Promote mechanisms for raising capacity for effective climate change-related planning and management in least developed countries and small island developing States, including focusing on women, youth and local and marginalized communities

**\* Acknowledging that the United Nations Framework Convention on Climate Change is the primary international, intergovernmental forum for negotiating the global response to climate change.**

**Climate Organiser – Climate Change Center Reading / #ECO4CLIM\_Rdg**  
**Contact info – [eco4clim @ cccrdg .org .uk](mailto:eco4clim@cccrdg.org.uk)**  
**On Twitter – [@ECO4CLIM\\_Rdg @ClimateMovement](https://twitter.com/ECO4CLIM_Rdg)**





**Climate Change Centre Reading**  
17 Newbury Close  
RG10 9RT  
Berkshire  
(Reading, United Kingdom, 31-10-16)

**FINALLY: SUPPORT and PARTICIPATE in ECOPRENEURS\_RDG CLIMATHON 2017**

where we invite Reading's vibrant community groups, students, businesses and residents in the spring of 2017

Climate Change Centre Reading / Ecopreneurs for the Climate in Reading

CCCRdg.org.uk (blog)

Phone number. +44 7447 934 700 (Carl)

Email: [cccrdg@outlook.com](mailto:cccrdg@outlook.com), [info@cccrdg.com](mailto:info@cccrdg.com)

Twitter <https://twitter.com/CCCRdg>

Facebook <https://www.facebook.com/CCCRdg>



For further information: ECOPRENEURS\_RDG CLIMATHON's, Climate Organisers in Reading:

Carl Emerson-Dam, [eco4clim@cccrdg.org.uk](mailto:eco4clim@cccrdg.org.uk) or Tanja Rebel - [tanjarebel@hotmail.com](mailto:tanjarebel@hotmail.com)