



EC project on Integration of Natural Water Retention Measures in river basin management The 2<sup>nd</sup> Danube Region Workshop, 23-24 June 2014 Bucharest, Romania

## Part II Blue-Green innovations in future cities' spatial planning

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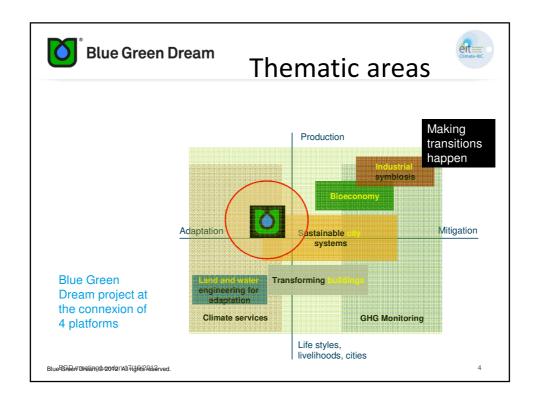


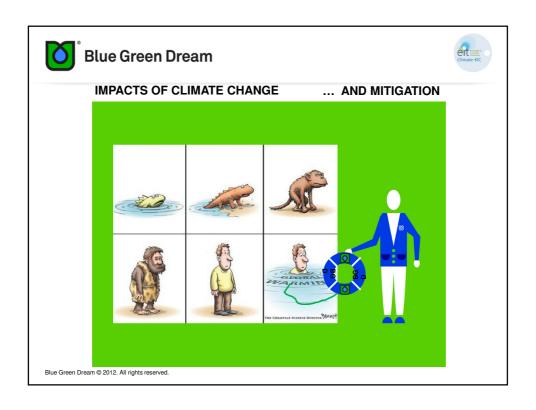
## What we present

What is BGD Innovative paradigm From individual Ecosystem service to quantified interactions for better planning Demo projects Our (brave) partners and initial cases Invitation for collaboration

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## **ISSUES**

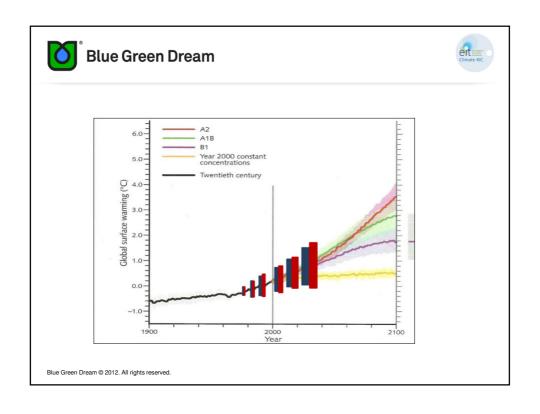
Urban creep, (London is loosing the equivalent of 2.5 Hyde Parks of green space area/annum), poor drainage, floods and droughts, tidal surges, pollution of water bodies, urban heat islands, energy inefficient systems, poor ecosystems, human health issues.

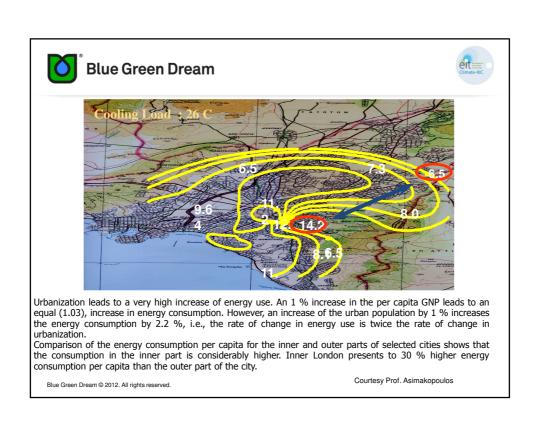
Climate Changes are likely to increase frequency and magnitude of weather extremes.

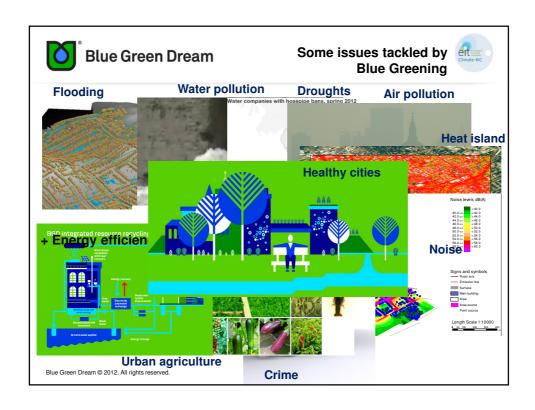
New Orleans, Seoul, Beijing, Fukushima, New York, ... Who is next?

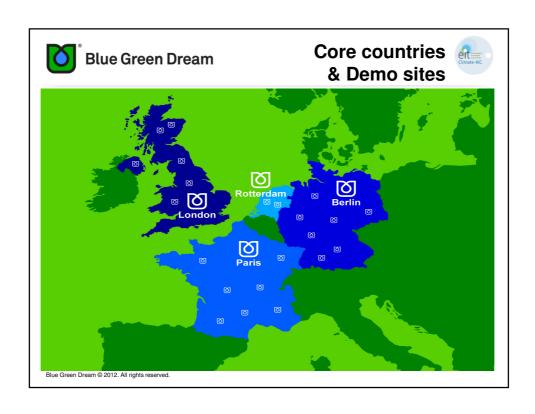
How long will London be "lucky" to avoid major catastrophe?

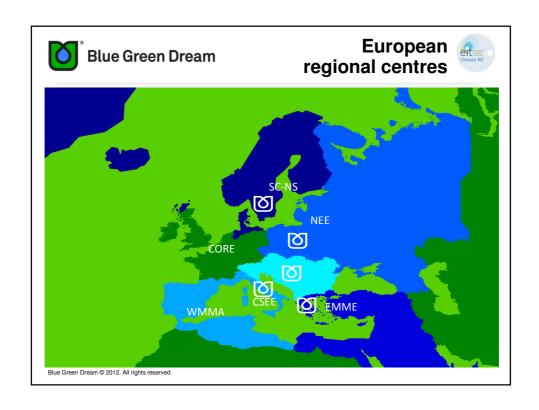
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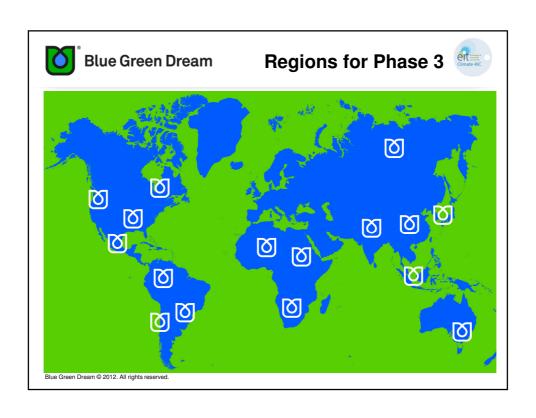


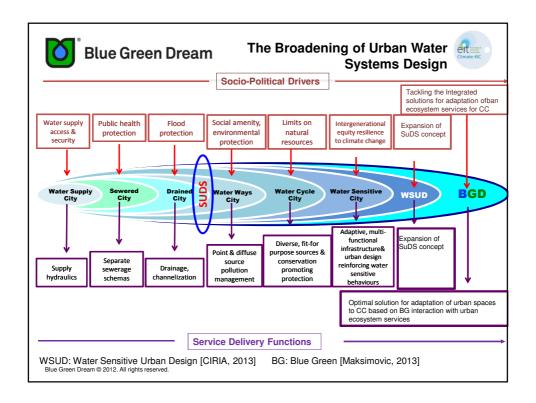














## Blue Green Dream



Home » Research shows that billions of dollars could be hiding in wastewater streams

<u> WaterTech e-News Daily™</u> / <u>Municipal</u>

Research shows that billions of dollars could be hiding in wastewater streams JUNE 17, 2014

No Comments

BOSTON — With rising commodity prices, Lux Research has found that recovery of resources from wastewater streams is becoming increasingly feasible, especially oil, precious metals and industrial fats, oils and greases (FOG), according to a press release. Over the past decade, crude oil prices have risen nearly three-fold, while the value of precious metals has soared over 250 percent, making recovery of these commodities attractive.

Growing demand for biodiesel amid a restricted supply of feedstocks drives recovery of ndustrial FOG. However, current economics don't favor lithium and phosphate recovery, noted the release.

Many current wastewater streams contain resources worth billions of dollars of lost product and lost opportunity," said Tess Murray, research associate and author of the eport titled, "Recovering Valuable Resources from Wastewater."

'As the value of resources rises, recovery technologies are beginning to make sense for even parts-per-million traces of materials such as precious metals and oil," she added

