



Investing in a greener Greater Manchester

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Salford City Council



**GREATER
MANCHESTER**
DOING THINGS DIFFERENTLY



 **European Union**
European Regional
Development Fund



Imagine a greener Greater Manchester. A place that works with nature and where the urban landscape is filled with rain gardens, street trees, green roofs, walls and spaces.





The IGNITION Project

“This funding will play a key role in accelerating our plans to make Greater Manchester a world leading city-region for green, resilient and low carbon living. We will be working with our partners to increase our city-region’s urban green infrastructure by 10%, leading the way in finding financing and delivery solutions that will play a vital role globally in ensuring our cities are adapted to climate change. The Living Lab on the Salford campus will be an amazing visual and technical demonstration of the measures needed by city-regions like Greater Manchester to adapt to the increasing impacts of climate change and more extreme weather. ”

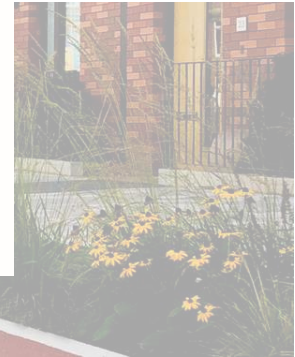
Andy Burnham, Mayor of Greater Manchester





THE IGNITION PROJECT

Who we are and what we are doing





The Context

- Climate change in Greater Manchester has led to increased risk of flooding and has resulted in surface water flooding incidents increasing six-fold since the 1940s
- In December 2015 2,250 homes and 500 businesses were flooded, 31,200 properties lost power supply and repairs to infrastructure cost £13million





Priorities for Greater Manchester

Priority 1:
Managing our land sustainably

Priority 2:
Managing our water and its
environment sustainably

Priority 3:
Achieving a net gain in
biodiversity for new
development

Priority 4:
**Increasing investment into
our natural environment**

Priority 5:
Increasing our engagement
with our natural environment



The Challenges

- To attract investment in nature-based solutions
- To create business models and identify funding mechanisms that create a coherent investment proposition for multiple beneficiaries or investors
- Increase levels of investor confidence
- Create a large portfolio of financially and technically viable nature-based solution projects resulting in time and financial savings
- Develop an effective solution for long-term maintenance of nature-based solutions to ensure they remain effective for the long term

The Solution



↓ Create a
project
pipeline

↓ Develop
business
models and
funding
mechanisms

↓ Build
investor
confidence

↓ Create an
enabling
environment
through
stakeholder
engagement

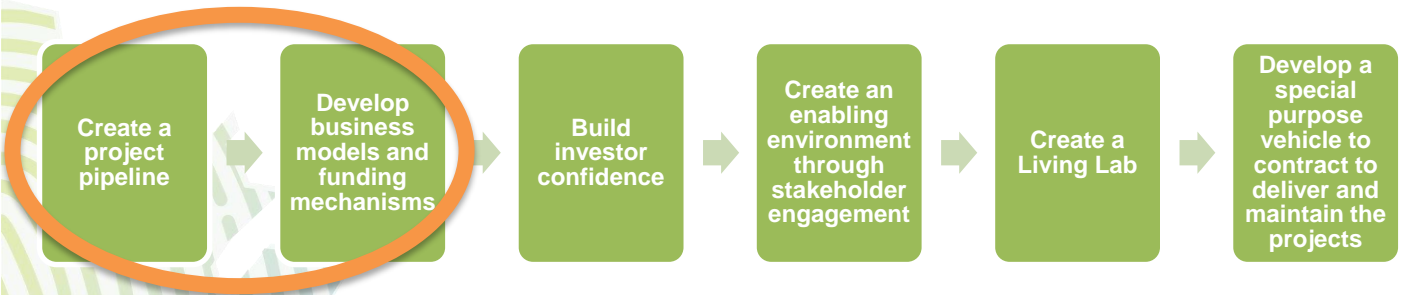
Co-create a
Living Lab

↓ Develop a
mechanism
to deliver
and
maintain the
projects





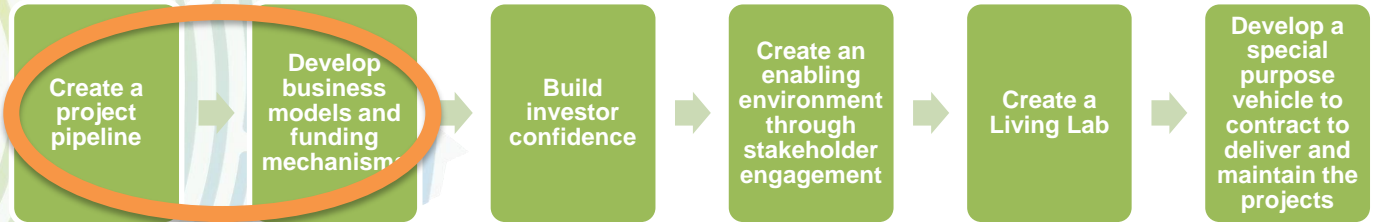
The IGNITION Project – The Process





Area based SuDS charging model

- Developing a model of SuDS at publicly owned buildings across Greater Manchester
- Using the saving from a drop in the surface water drainage charge band at each site to fund the cost of design, build and maintenance.

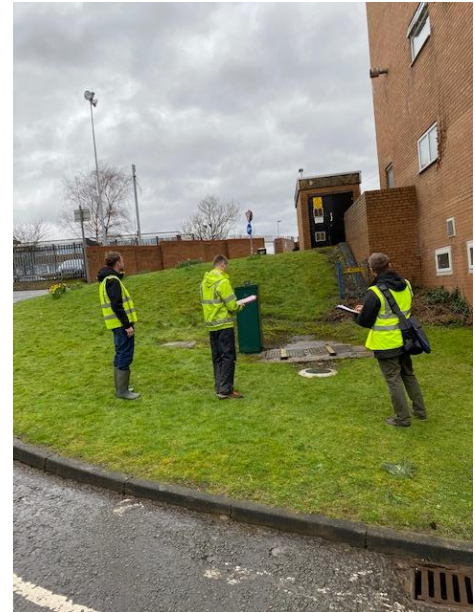




Finalising a package of SuDS sites

Process:

- Source data
- Desk Based feasibility
- Site Based feasibility
- Business Case Development – Scoping undertaken with financial consultants with final site proposals





Future areas of work

These include:

- New parks management structures and financing
- Existing parks future financing
- SuDS for surface water management
- BioSolar roofs





Establishing a Green Infrastructure baseline

To be able to demonstrate an increase in urban green infrastructure in Greater Manchester by 10% in 2038 the University of Manchester are creating an urban GI baseline. This will enable us to:

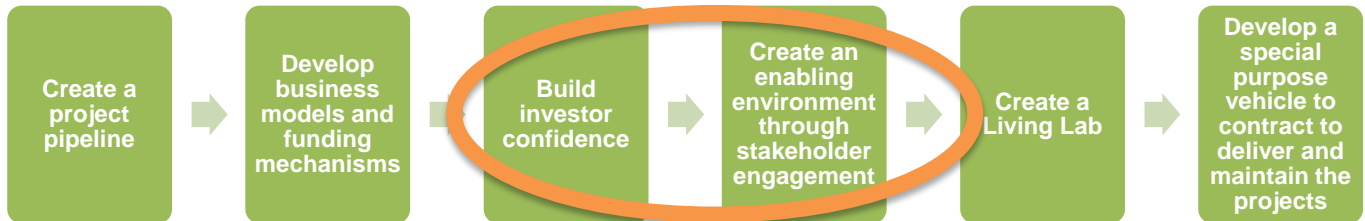
- Measure change in GI cover
- Establish what constitutes 10% and where it could go
- Monitor change in GI over the coming years





Develop an enabling environment

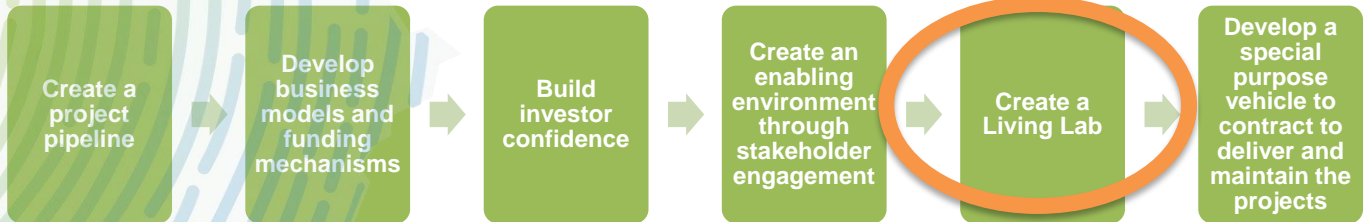
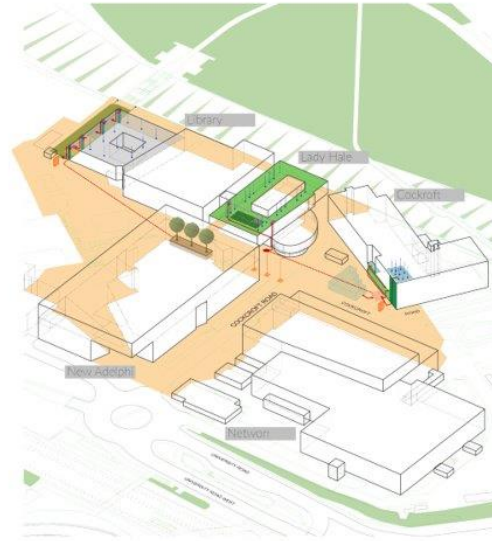
- Stakeholder engagement
- Citizens engagement
- Events
- Communications
- Increase investor confidence





The Living Lab

- Created on campus at the University of Salford
- Monitor and model the effects of a range of NBS
- Will include a green roof, green wall, SuDS street trees & rain garden

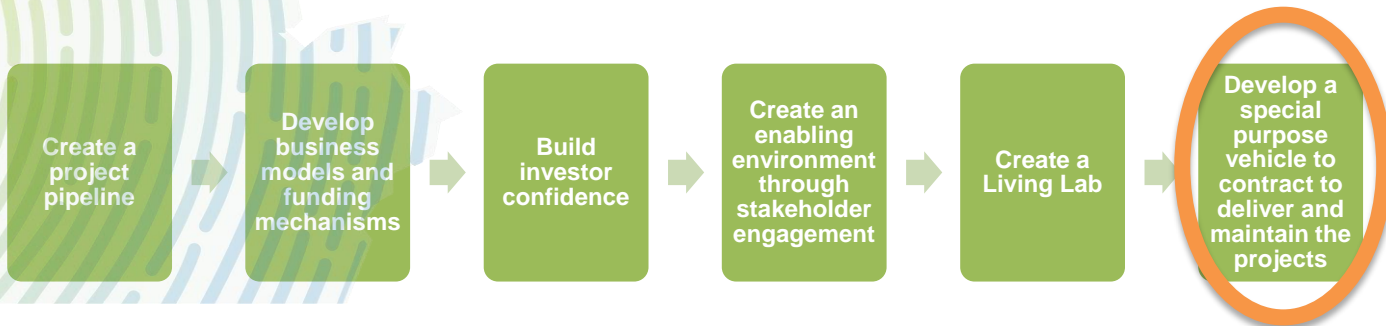




Development of a CASCO

The CASCO will:

- Provide a set of governance, legal, procurement and contracting arrangements
- Establish a way to be responsive and adaptable to deliver ongoing environment or sustainability projects
- Be designed and set up over the next 12 months, responding to emerging project, pipelines, investor requirement
- Developed in parallel with ongoing activities such as the GM environment fund and investment readiness processes





Where are we now in the process

↓ Create a project pipeline



↓ Develop business models and funding mechanisms



↓ Build investor confidence



↓ Create an enabling environment through stakeholder engagement



Co-create a Living Lab



↓ Develop a special purpose vehicle to deliver and maintain the projects





the Ignition PROJECT

NATURE-BASED SOLUTIONS TO THE CLIMATE EMERGENCY

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www.ignitiongm.com

