

# The Challenge: Design of our Tyne

Rob Carr  
Environment Agency  
Tyne Catchment Coordinator  
Ripple Event March 2019

By the end of the next decade what percentage of the worlds population will live in urban and city areas?

A photograph of a very crowded pedestrian street, likely during a festival or market. The street is filled with people of various ages and backgrounds. On the right side, there are streetlights and signs, including a prominent 'No cycling' sign. Festive decorations, such as white and yellow bunting and star-shaped ornaments, are strung across the street. The overall atmosphere is busy and festive.

70%

So what could that mean for us?



# Shades of Grey

JAYSIDE, NEWCASTLE



# Greening the Grey: Nature Based Solutions along Newcastle Quayside

A photograph of a city street featuring a river with a small waterfall. The river is surrounded by lush green trees and plants. In the background, there are several modern high-rise buildings. A sign on one of the buildings reads "은퇴살계의 명가" (A famous place for retirement). People are walking on the sidewalks and crossing the river on a stone bridge.

## What are Nature Based Solution?

Any intervention that uses nature:

Floating islands

Planters

Green roof

Green walls

Sustainable urban drainage

Water features

Green Planting

Riverbank greening

# Why Nature Based Solutions?

**Climate change**

**Water management**

**City heating**

**Biodiversity**

**Environmental quality**

**Economic/commercial benefits**

**Social well-being**

**Sustainable development**

**25 year plan for the environment**

# Tyne Estuary project

- EA £100k feasibility project
- Edges enhancement study and opportunities mapping
- 8 priority areas including Newcastle Gateshead quaysides
- Links to NE1
- Funding opportunities
- Steering group established
- Draft declaration
- 25 Year Plan for the Environment
- Naturvation Horizon 2020 EU project as a case study



# The Challenge



# The Challenge

We are looking for ideas on how using Nature Based Solutions, both land and water based, to transform Newcastle Quayside. (Redheugh bridge to Ouseburn confluence)

Specifically, we would like to:

1. 1. Seek inspiration on what this green and blue space could look like
2. 2. Connect communities with business and nature
3. 3. Bring to life existing drawings with a 3D visualisation

# Next Steps

21 March - Challenge Launch

10 May - Deadline for applications

More details on the WaterHub flyer

# Thank You and Questions

Rob Carr  
Environment Agency  
[robert.carr@environment-agency.gov.uk](mailto:robert.carr@environment-agency.gov.uk)