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Engineering and Physical Sciences **Research Council**

Providing Confidence in Durable Composites

DURACOMP project event, 28 April 2016





Welcome & Introduction

by Toby Mottram

Principal Investigator, Warwick University

Health and Safety brief Nigel Keen, NCC

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Programme for today

Presentations from Invited speakers

NCC, Nigel Keen, Business Development 10:10 Engineer, National Composites Centre (NCC).

Challenges of Composites for Infrastructure and 10:30 Construction, James Henderson, Technical Authority, Transportation, Atkins and **Composites UK Construction Group**

Designing FRP Structures – The Ideal and the 10:50 Reality, Lee Canning, Principal Engineer, Bridges, Jacobs



Programme for today

- Q&A panel session 11:10 Chair, Peter Gosling, Newcastle University
- Break and networking 11:25
- Confidence in Durable Composites (DURACOMP) 11:55 Partners' presentation on research outcomes and impact

Lunch and networking 12:45

Tour of NCC facilities

Posters and demonstrations of software



Programme for today

14:00 *Facilitated Activity*:

DURACOMP project partners, Peter Gosling

Information for the facilitated activity was issued this morning.

16:15 Closing remarks on event, Toby Mottram Dissemination

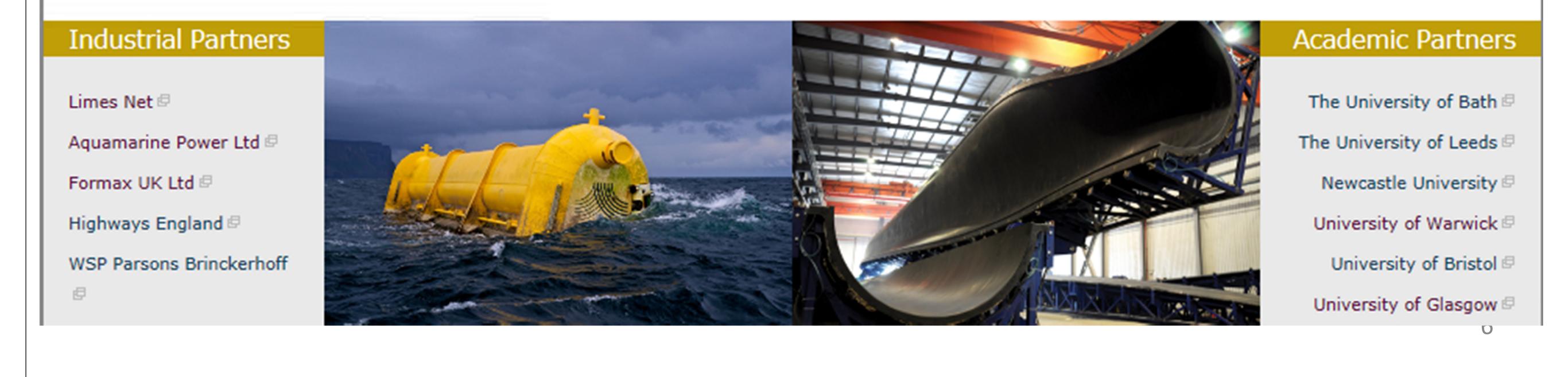
16:30 End

When the second second

Dissemination of outcomes

http://www2.warwick.ac.uk/fac/sci/eng/duracomp/

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DURAC	COMP				
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Providing Confidence in Durable Composites					
specifica	•	itions in Ground an	er the basis of a new d Structural Engineerin uncertain future.		



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Background to DURACOMP project

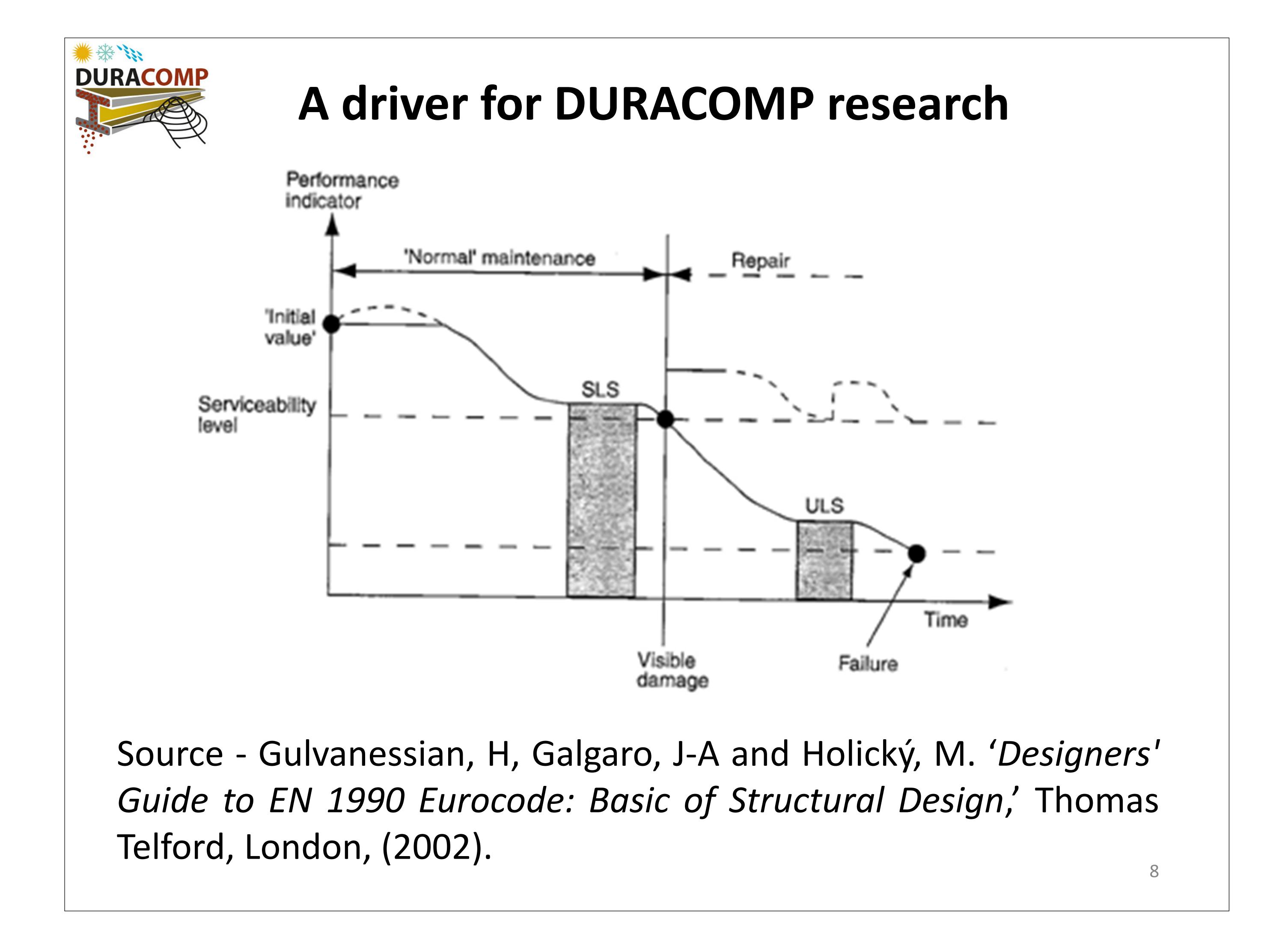
LIMES.NET - Network for Low Impact Materials and innovative Engineering Solutions for ground & structural engineering

1 Sept. 2011- 30 Sept. 2012

Meetings, Workshops and Missions

EPSRC - Ground and Structural Engineering Research Challenge Call July-Sept 2012 possible £8m

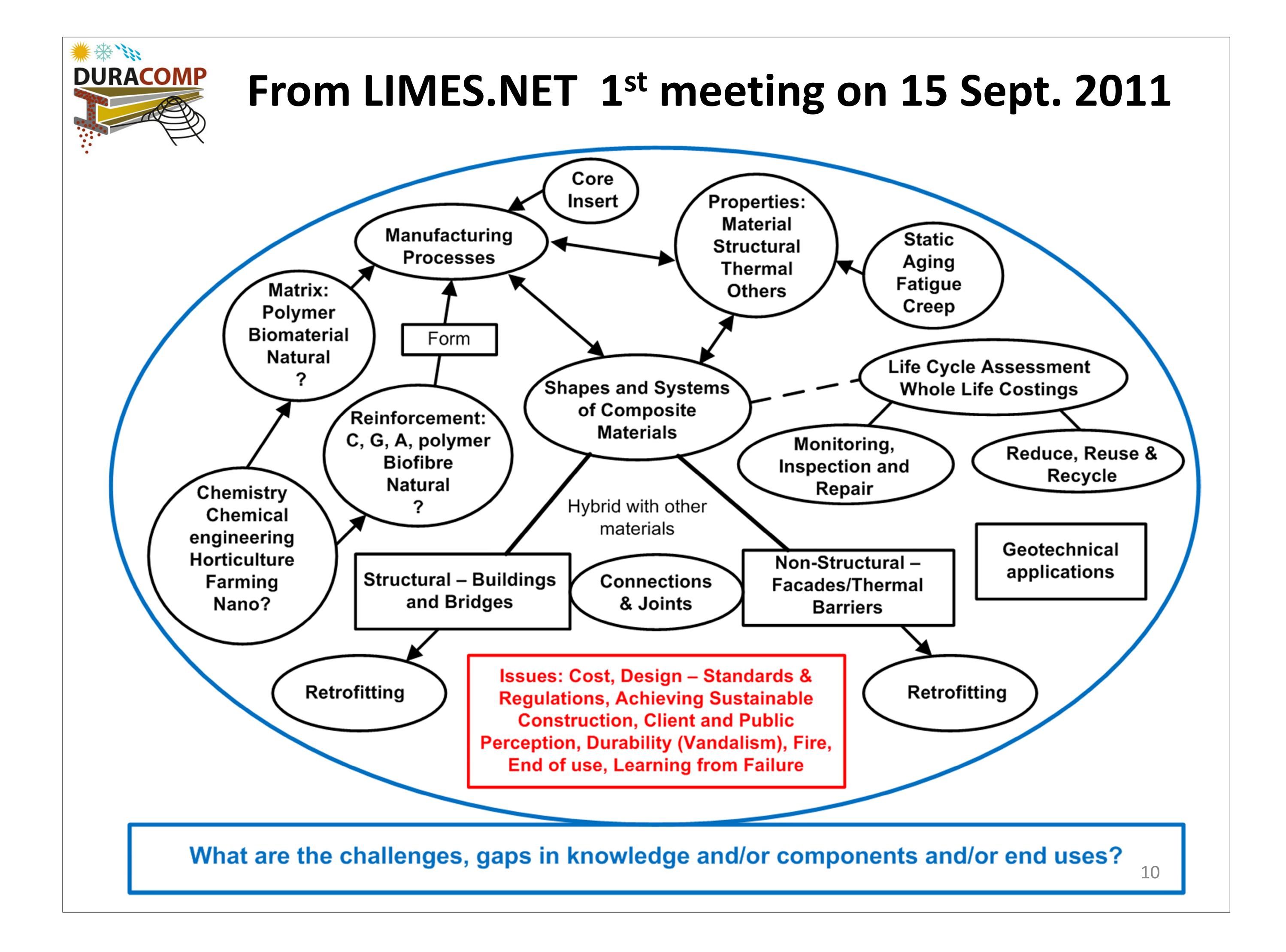
Following Interviews in November 2012 three funded (\cong £5m) with two for LIMES.NET 'materials'.





Objectives are to:

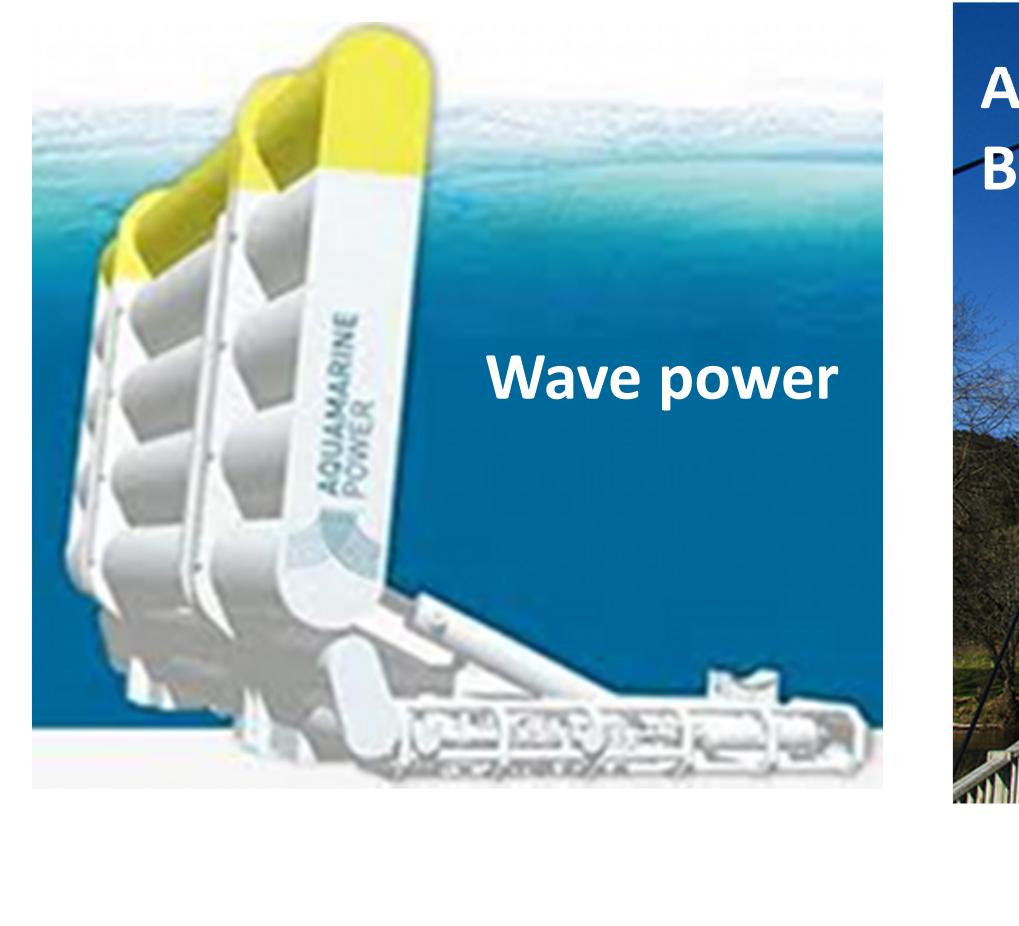
- develop an innovative multi-scale analysis framework to provide confidence in durable composite structures;
- develop a reliability analysis for composite materials and structures subject to uncertainty;
- conduct material and structural-level characterisation tests to obtain properties required for the lifetime prediction analyses;
- develop a paradigm of testing and analysis methods to enable composite structures to be assessed, in the shortest practical timeframe;
- create a multi-disciplinary team across several universities.

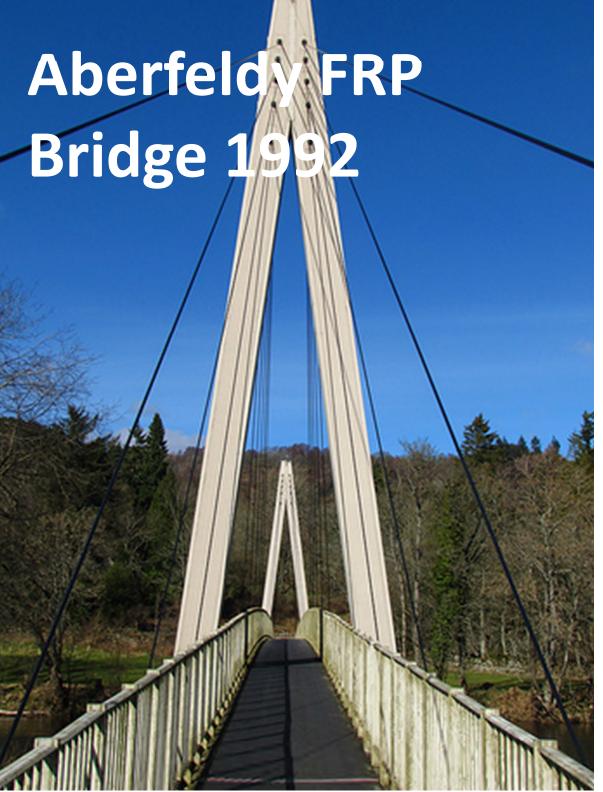




On behalf of the DURACOMP partners we want this event to be worthy Continuous Professional Development

for you







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