

DRAFT AGENDA**Guidelines on the Use of Natural and Nature-Based Features for Sustainable Engineering:****Working Meeting**

July 10-13, 2017

UK Environment Agency

London, United Kingdom

Workshop Outcomes

- Progress on NNBF Guidelines outline
- Identify gaps/needs for chapter teams
- Finalize scoping document for NNBF Guidelines
- Initial plan for rivers/fluvial section

Participants:

Attendees	Affiliation
Candice Piercy	ERDC-EL
Emma Rendle	HR Wallingford
Jeff King	ERDC-EL
Joe Gailani	ERDC-CHL
Jonathan Simm	HR Wallingford
Mindert de Vries	Netherlands Deltares
Paula Whitfield	NOAA
Seungnam Seo	Korea Institute of Ocean Science & Technology (KIOST)
Stephanie Ijff	Netherlands Deltares
Tim Welp	ERDC-CHL
Todd Bridges	ERDC-EL
Todd Swannack	ERDC-EL
Hans Pietersen	Netherlands Rijkswaterstaat
Quirijn Lodder	Netherlands Rijkswaterstaat
Rinse Wilmink	Netherlands Rijkswaterstaat
Ralph Schielen	Netherlands Rijkswaterstaat
Chris Haring	ERDC-CHL
Georganna Collins	Ecology and Environment, Inc
Nigel Pontee	CH2M/University of Southampton
Jo Guy	Environment Agency (Mon – Thurs)
Tim Collins	Natural England (Mon – Tues)
Nick Williams	Natural England (Mon, Wed – Thurs)
Uwe Dornbusch	Environment Agency (Mon – Tues)
Glenn Maas	Environment Agency (Mon – Tues)
Jon Hollis	Environment Agency (Mon & Thurs)
Lydia Burgess-Gamble	Environment Agency (Mon)

Oli Burns	Environment Agency (Mon – Thurs)
Nicola Rimington	Natural Resources Wales (Mon)
Alison Baptiste	Environment Agency (Tues)
Janet Kahn	Scottish Environmental Protection Agency (tbc)
Philip Winn	Environment Agency (Wed – Thurs)
Mike Dugher	Environment Agency (Wed – Thurs)
Lynne Frostic	Environment Agency / University of Hull (Wed)
Laura Rhodes	Environment Agency (Wed)
Andrew Barron	Environment Agency (Wed - Thurs)
Andrew Rouse	Environment Agency (Thurs)
Debbie Morris	Environment Agency (Thurs)

Objectives

The objectives for this working meeting are as follows:

- Assemble technical team members to make progress in developing the guidelines.
- Ensure chapter teams include needed diversity of organizations and expertise to author the respective chapters
- Advance NNBF Guidelines outline to ensure practical designs that are functional, meet performance and regulatory requirements, and are constructible.
- Collectively review and approve the Scoping Document for common understanding of efforts and resources required to complete the document and deliver the NNBF Guidelines.
- Develop plans for pursuing section on river/fluvial applications.
- Refine the schedule of mid-term activities and milestones.

Meeting Location:

The Kia Oval

Harleyford St, London SE11 5SS, UK

<https://www.kiaoval.com/contact-us/getting-to-the-kia-oval/>

Once at the Kia Oval, please look for the Debenture Lounge and signs posted: 'Natural and Nature Based Features (EA & US Army Corps of Engineers)'

Agenda

JOINT MEETING		
July 10 th Day 1		
Time	Agenda	Lead(s)
0830 – 0900	Check in <ul style="list-style-type: none"> Coffee and Greeting 	TBD
0900 – 0915	Welcome and Introductions	Jo Guy; Todd Bridges
0915 – 1000	Plenary Session: Updates and NNBF Guidelines Scoping Report <ul style="list-style-type: none"> Business Case Review/Updates/Schedule-Milestones Collaborator Status/Updates Editorial Board and Chapter Co-Lead Updates Proposed Expedited Chapters Finalize Scoping Report Inclusion of Riverine Systems in Overall Project Outcomes 	Todd Bridges Jonathan Simm, Hans Pieterse
1000-1030	Plenary Session: Intro of World Bank Document - Implementing Nature-Based Flood Protection Connectivity to NNBF Guidelines Document	Jonathan Simm
	Environment Agency: Natural Processes Evidence Base	Lydia Burgess-Gamble
1030 - 1045	Break	
1045 – 1200	Plenary Session: NNBF Guidelines Contents <ul style="list-style-type: none"> Review table of contents for Guidelines Document Brief statements of status by current chapter leads, identifying issues, needs Discuss interconnectivity of chapters and prioritization of selected, expedited chapters Overview of Case Studies received and relevance to specific chapters 	Todd Bridges
1200-1300	Lunch	Lunch Provided by EA
1200 - 1230	Lunch Presentation - TEAM2100: The First Ten Years of Work on a 100 Year Strategy for the Thames Estuary – The Role of Nature-Based Asset Management.	Nigel Pontee

1300-1315	Plenary Session: Discussion of Expedited Chapters <ul style="list-style-type: none"> Identify issues, needs, opportunities to be carried into breakout sessions Discussion of breakout group assignments 	Todd Bridges
1315-1500	Breakout Session 1: Expedited Chapters <ul style="list-style-type: none"> Group 1: Framework Group 2: Benefits Group 3: Beaches & Dunes Group 4: Wetlands 	All
1500-1515	Break	
1515-1600	Plenary Session: Report Out from Breakout Groups <ul style="list-style-type: none"> Report out from Groups 1-4 Implications for other chapters and type chapters specifically 	All
1600-1700	Riverine/Fluvial Application of NNBF <ul style="list-style-type: none"> White Paper Overview Discussion on Framing/Sequencing/Scheduling of Work 	Chris Haring, Hans Pieteron
1700-1715	Day 1 Review/Wrap-Up	Jo Guy
1715	Adjourn (Dinner on your Own)	

July 11 th Day 2	JOINT MEETING	
Time	Agenda	Lead(s)
0830 – 0900	Check in <ul style="list-style-type: none"> Coffee and greeting 	
0900-0930	Plenary Session: Expedited Chapters <ul style="list-style-type: none"> Recap from Day 1 Ideas to maximize chapter development Day 2 Instructions to Breakout Groups 	Todd Bridges
0930 - 1000	<ul style="list-style-type: none"> Welcome from Dr. Alison Baptiste (EA's Director, Strategy and Investment for Flood and Coastal Risk Management) 	Alison Baptiste
1000-1010	Break	

1010 - 1130	Breakout Session 2: Expedited Chapters <ul style="list-style-type: none"> Group 1: Framework Group 2: Benefits Group 3: Beaches & Dunes Group 4: Wetlands 	All
1130 – 1200	Plenary Session: Report out from Breakout Groups <ul style="list-style-type: none"> Report out from Groups 1-4 Implications for other chapters and type chapters specifically 	All
1200 - 1300	Lunch	
1300 - 1400	Plenary Session: Next Steps <ul style="list-style-type: none"> Update on Sequence of Next In-Person Meetings Use of Virtual Team Meetings and Communications (Internally/Externally) Review Action Items and Schedule Final Thoughts 	Todd Bridges
1400	Depart for Train to Hull	
1505– 1800	Train Ride to Hull (via Doncaster)	
1830	Arrive at Hotel in Hull (Dinner on Your Own)	
1930 – 2030	Optional: Visit to the Hull Tidal Barrier	Jo Guy

July 12th Day 3		
FIELD TRIP TO HUMBER ESTUARY		
Time	Agenda	Lead(s)
0700-0800	Morning Activities and Assemble for Check in <ul style="list-style-type: none"> During this time check out of hotel Breakfast on your own Assemble in Holiday Inn Express Lobby at 0745 	
0820 – 0920	Meet at Flume at the Deep, Hull for visit to University of Hull Hydraulics Research	University of Hull
0930 – 1015	Convene in private room at Holiday Inn (HU1 2BX) for introductory to Humber Estuary	EA
1015-1230	Field Trip to Humber Estuary and NNBF Sites <ul style="list-style-type: none"> (Paull Holme Village, Paull Holme Strays managed realignment site) 	EA
1230-1315	Lunch at South Humber Nature Partnership (HNP) Center (Barton Waters Edge)	

1315-1400	HNP presentation on their perspectives on NFM on the estuary – working with natural estuary processes	HNP
1400-1545	Field Trip at Humber Estuary and NNBF Sites <ul style="list-style-type: none"> Alkborough Marsh Flood Storage and habitat creation 	EA
1545-1700	Travel from Humber Estuary to Kenwick Park	
1730	Arrive at Hotel in Kenwick Park, Louth (Check-In)	
1900	Assemble in Lobby for Dinner	
1930-2130	Dinner	

July 13th Day 4	FIELD TRIP TO LINCOLN SHIRE COASTLINE	
Time	Agenda	Lead(s)
0800-0845	Assemble for Check-out in Lobby <ul style="list-style-type: none"> During this time check out of Hotel Breakfast on your own Assemble in Lobby at 0845 	
0845 – 0930	Field Trip to Lincolnshire Coastline <ul style="list-style-type: none"> Travel to Mablethorpe 	EA
0930-1030	Natural dune systems, storm surge repairs	EA
1030-1050	Travel to Sutton on Sea	
1050-1120	Lincshire Frontage – concrete defences vs. marram grass stabilization	EA
1120-1220	Travel to Freiston Shore	
1220-1340	Freiston Shore buffer zones	EA
1340-1400	Travel to, and lunch at, Boston Hub (EA Office)	
1500-1600	Board Buses and Drive to Train Station	
1600-1800	Train Ride Back to London	
1830	Arrive at Hotel (Dinner on Your Own)	

Key documents (Enclosures)

- Updated Outline for NNBF Guidelines
- Document of Case Studies Received
- List of Editorial Board and Chapter Team Members (with Co-Leads)
- White Paper on Rivers

Other things to know

- Please bring 60 pounds (UK currency) with you to the meeting. This will cover the cost of our round trip train tickets to/from London. Exact change is recommended.

Hotel Accommodations

(1) Sunday Night (July 9th) and Monday Night (July 10th):

Staybridge Suites –Vauxhall, London
100 Vauxhall Walk London, SE11 5EL United Kingdom
Hotel Front Desk: 44-203-0961555

(2) Tuesday Night (July 11th)

Holiday Inn Express Hull City Centre (9 rooms reserved here)
80 Ferensway
Kingston Upon Hull HU2 8LN United Kingdom
Hotel Front Desk: +44-148-2485700
Quote Reference # 65493397 “NNBF USACE EVENT” when making reservation
HOTEL ROOMS ARE BEING HELD UNTIL JULY 5th

Or

Royal Hotel Hull (11 rooms reserved here)
170 Ferensway, Hull HU1 3UF, United Kingdom
Hotel Front Desk: +44-871-2225502
Quote Reference: VHRH1107 “NNBF USACE EVENT” when making reservation
HOTEL ROOMS ARE BEING HELD UNTIL JULY 3rd

(3) Wednesday Night (July 12th)

Best Western Kenwick Park
Kenwick Park, Lincolnshire, LN11 8NR.
RESERVATIONS HAVE BEEN CONFIRMED; PLEASE DO NOT CONTACT KENWICK PARK TO CONFIRM

(4) Thursday Night (July 13th)

Shaftsbury Premier London Paddington Hotel
55 Westbourne Terrace, Paddington, London W2 3UY, UK
Reservations: +44-207-7233434
Website: londonpremierpaddington.co.uk

Or

Park Grand Paddington Court
27 Devonshire Terrace, London W2 3DP, UK

Reservations: +44-207-7451200
Website: parkgrandpaddingtoncourt.co.uk

Or

Park Grand London Paddington
1-2 Queen's Gardens, Bayswater, London W2 3BA, UK
Reservations: +44-207-2989800
Website: parkgrandlondon.co.uk

(5) Express Train Information from Paddington Station to Heathrow Airport

Website: https://www.londontoolkit.com/travel/lhr_rail.htm

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