

AOEP

Alde and Ore Estuary Partnership Update

The computer modelling results of the Estuary shows that upgrading the walls to 3.3 metres throughout the estuary is possible provided 11 properties in Iken and Orford have mitigation for a temporary increased flood risk in very severe storms scenarios (1:200), during the period the Snape (village) and Aldeburgh walls are being upgraded and prior to Iken walls being completed. The IDB will be commencing the business cases for the schemes to upgrade Snape and Aldeburgh flood cells and provided consents are forthcoming, work will start, if possible later this year in the case of Snape Maltings, or early next year.

The Annual Community Meeting was held at Snape Maltings on 14th April was well attended and discussed in detail the upgrading project. The presentations are on the website at www.aoep.co.uk and coverage in EADT is on <http://www.eadt.co.uk/news/alde-and-ore-estuary-partnership-s-annual-meeting-here-s-update-on-12m-defence-scheme-1-5481647>

Enabling Development is paused until November and no planning applications will be submitted until after that time, however meetings with parish councils and SCDC continue.

Mandy Bettinson

Partnership Secretary

www.aoep.co.uk

Mandy Bettinson, April 2018

S&OEMG

Stour and Orwell Estuary Management Group Update

BCP

Bawdsey Coastal Partnership Update

No update at present.

DEP

Deben Estuary Partnership Update

AONB

Area of Outstanding Natural Beauty Update

Suffolk Coast & Heaths AONB Boundary Review

The AONB Partnership have now submitted their response to the consultation that has now closed. The Partnership welcomed the proposals and encouraged Natural England to look again at the proposed boundary to see if it can be drawn to include a wider area. The response can be seen at:

<http://www.suffolkcoastandheaths.org/about-us/aonb-boundary-review/>

AONB Partnership Response to Scottish Power Renewables Public Information Days

The AONB Partnership has responded to the information provided at Public Information Days by Scottish Power Renewables. The Partnership consider that the siting of the on-shore infrastructure should be away from the Nationally Designated landscape and that further information needs to be made available to consider the impacts on the AONB. The response can be seen at: <http://www.suffolkcoastandheaths.org/planning-and-undergrounding/planning-and-development/>

Suffolk Coast & Heaths AONB Management Plan

Consultation on the draft plan runs until 21 May. We really value your thoughts and knowledge to help shape the future of the nationally designated landscape. Comment via <http://www.suffolkcoastandheaths.org/about-us/aonb-management-plan/>

Read all about it: AONB Summer Newspapers

Packed with news and information about the outstanding landscapes

<http://www.suffolkcoastandheaths.org/publications/aonb-newspaper>

<http://www.dedhamvalestourvalley.org/publications/dedham-vale-and-stour-valley-newspaper>

Outstanding Volunteers

Those fantastic AONB Volunteers have been working on a nature area for children in Liston, clearing paths and building composting bins in Steeple Bumpstead. Following a report from a member of the public about litter along the foreshore near Bridge Wood, Ipswich, The AONB team were able to organise a Beachwatch event to help clean up the area. We are grateful all those that took part and helped with the removal of huge amounts of rubbish. Those volunteers are fabulous and contribute so much. Thanks from all of us.

4 Ferries Leaflet

The AONB has supported the production of the 4 ferries leaflet for 2018. The guide promotes access to the AONB and supports local ferry operators. Download at

<http://www.suffolkcoastandheaths.org/publications/exploring-the-aonb>

New research reveals nature's beauty increases happiness:

We know it. Read about it at: <https://sussexwildlifetrust.org.uk/news/new-research-reveals-natures-beauty-increases-happiness>

Stour Valley Walk Finger Post turns up on Shingle Street Beach.

But it's not the Stour Valley on the Essex/Suffolk border but the one in Kent

<https://twitter.com/SuffolkAONB/status/976801994068385792>

Simon Amstutz, April 2018

IDB

Internal Drainage Board Update

ESIDB and Water Management Alliance Officers supporting Waveney Lothingland and Lower Yare IDB continue to make progress on a range of coastal and estuarine projects in Suffolk.

Benacre and Kessingland Flood Risk Management Study (presentation under agenda item 4)

The project is proceeding with fantastic partnership support for a project that is exploring setting back the coastal defences between Kessingland and Benacre to create 100ha of new intertidal habitat and offer improved flood protection to 24 homes, hundreds of hectares of farmland and the A12 where it crosses the Lothingland valley. WMA officers on behalf of all partners are proceeding with an Outline Business Case for a circa £10M project over the next 12 months subject to funds from the RFCC. Partners have already pledged almost £80k to Business Case Development and several partners have indicated capital investments of almost £5M at this stage. This coastal area remains very vulnerable and to buy time for scheme development - both Parkdean Resorts and Benacre Estates have also invested privately in localised protection at the pumping station to reduce erosion and potential breaching of the soft dunes that are now the primary defence.

SMP Policy Review

The IDB continue to support the work of the SMP Client Steering Group alongside community partners in the AOEP (Slaughden Review) and Bawdsey Coastal Partnership. We also recently attended the BCP AGM in March.

Suffolk Estuaries

The ESIDB managing HR Wallingford – completed estuary modelling of the Alde and Ore Estuary Plan in March 2018. The work was funded by the RFCC with an original model of estuary plan implementation (£50k) augmented by additional focussed modelling at Iken (£10.Xk). The modelling has concluded that overall the estuary plan can be delivered as per the AOEP prioritised delivery approach. Additional modelling by Tidal Lagoon Power has also consider managed realignment options in the estuary which would be subject to landowner agreements and wide public consultation. At this time AOEP are proceeding with their original plan for resilient defences around the estuary. Some 300 properties will be at reduced flood risk when the plan is delivered- however- during delivery a small number of homes are at temporary increased flood risk and these residents are now engaged in further discussions regarding localised individual/community property protection during construction phases of adjacent flood defences. The IDB is now working on a detailed costed programme of works which will include environmental, archaeological and soil investigations to inform the AOEP funding initiative and to provide the FDGIA Business Cases with more detail. The IDB aims to start developing business cases for FDGIA in 2018- it is hoped delivery can start on the ground in 2019. The Phase 1 works for Aldeburgh wall completed in 2017 with funds from ESIDB and EA.

The ESIDB is also continuing to work with the Deben Estuary partnership at the Bawdsey Marsh wall- providing technical services and developing a detailed costed project for the DEP and local landowners (who plan to fund the work) to create a more resilient flood defence as per the DEP Estuary plan.

The ESIDB have been asked to offer technical support to the Blyth estuary group in developing their programme for delivering a more resilient flood risk programme in the Blyth.

The ESIDB continues to support the Holistic Water Management project at the Felixstowe peninsula.

ESIDB officers co-wrote and supported a number of saltmarsh restoration bids to the Defra Natural Flood Risk management Fund on behalf of estuary groups. Unfortunately, none of our local projects were accepted by the fund at this time.

Karen Thomas, April 2018

EA

Environment Agency Update

The following update covers the key locations from an EA coastal flood risk management perspective.

Benacre Pumping Station and the Kessingland Levels

We continue to working with Waveney, Lower Yare & Lothingland Internal Drainage Board, local businesses and other partners on a long term solution for the Kessingland Levels.

Easton Broad and Potters Bridge

We continue to liaise with NE and SCC regarding this site and what further options are available for the future. SCC Highways are undertaking a bridge inspection and the outcome of this will help inform a way forward.

Slaughden

The easterly winds of March this year have caused some cutback of the haul road south of the rock armour at Slaughden. The haul road has now been largely impassable since early 2017.

We have received consent from SCDC (through an Appropriate Assessment route) to recycle shingle at Slaughden. We have modified this consent to have the option of widening the ridge landwards at its most vulnerable points. This will result in a much more robust ridge that is able to withstand winter storms. The MMO have confirmed that recycling at this site does not need their consent. We will shortly be engaging with local landowners to get their consent to proceed with a project for this autumn.

SMP policy reviews

We continue work closely SCDC and partners on the assessment of policy options for Slaughden and East Lane, Bawdsey. The Slaughden review is progressing well. The Client Steering group along with an AOEP representative has met with technical specialists from CH2M to look at what options are available for the long term management of the site. It is our intention to undertake a similar approach at Bawdsey.

Suffolk Estuaries

H R Wallingford have completed modelling of the Alde and Ore Estuary Plan. The work confirms that the plan provides an increased level of protection in the estuary and will inform an outline programme of works that minimises flood risk.

The Environment Agency is forging ahead with plans for saltmarsh protection and improvement with sites selected in the Alde and Deben estuaries. Work is scheduled to commence in early Autumn.

The Ipswich Flood Defence Management Strategy – Ipswich Barrier – Site progress update

Work at the Ipswich Barrier site continues to progress well. The main barrier mechanism structure is in place and testing began in March.

Mark Johnson, April 2018

Coastal Partnership East

Suffolk Coastal and Waveney District Council Coastal Management Team Update

Planning and coastal management

A Statement of Common Ground has now been drafted the CPE Planning Policy teams, Kings Lynn and West Norfolk Borough Council and the Broads Authority, and is being consulted upon internally. This paper will go to relevant Cabinet Members for sign off.

A response is being planned to the national [NPPF consultation](#) which will draw on the experience of the CPE partner planning policy teams as well as national local authority and coastal group networks. The closing date is 10th May.

Coastal updates

Storm Emma had a detrimental effect on much of the Suffolk coastal frontages, up to 2.5m of beach in some locations and damage to some revetments. There have been some areas that have benefitted however, our assets have been assessed and where necessary, remedial actions have been identified.

The Brackenbury footpath in Felixstowe was completed last month. A project that was complex in terms of planning and it is good that the footpath in Felixstowe now extends around to complete access on to the beach in north Felixstowe.

Southwold Harbour fender requires important works to repair the piling on the north section. The pier controls water flow from the Blyth and helps to manage erosion at this frontage. The fender prevents vessels from running aground. We are still in negotiations with contractors but hope that the work can start in June.

The Lowestoft Flood Risk Management is making good progress in solving some of the challenges of delivering a tidal gate into a busy and narrow waterway. Overall agreement on the methodology has been reached and discussions are advanced about the delivery windows, which will impact on the completion date. There are still outstanding funding challenges but a team is being set up to explore all options. We are still hopeful of submitting the Outline Business Case for review by the Large Project Review Group in August and submitting the planning application soon after.

Members of the CPE team have been involved in the Benacre project as part of the project team and project Board. The IDB are leading the project and will be providing a wider update will be shared at the Forum on Wednesday.

Thorpeness Policy Implementation Plan. To note.

A plan has been drafted by CPE that makes recommendations for implementation of coastal management policy at Thorpeness.

The PIP will state how the coastal management policy – as amended in 2013 - will be applied.

It will identify the nature and potential timing of works and identify costs and potential sources of funding.

After SCDC officer and member review the PIP will be submitted to SCF members for consultation by email prior to a community consultation event.

It is assumed that the final PIP will not require formal adoption by the SCF.

Capacity and capability

Work is underway, following a market consultation, to develop a Dynamic Purchasing System, to deliver a more flexible approach to accessing suppliers and further work is underway to develop a similar approach for coastal consultants.

One of CPE's engineers, John Harris, who was based in the Cromer office has decided to move on.

We will be pleased to welcome to the team an intern, Laurie Stephens, who will be working with CPE for the summer months.

Funding and finance

For the first time we are building a long term plan and are developing a 10 year investment plan.

Please do stay in touch with CPE updates on twitter too. Follow us @CPE_NandS

Bill Parker, May 2018

LGA Coastal SIG

Local Government Association Coastal Special Interest Group Update

Sandmotor

The LGA Coastal SIG were pleased to take a sizeable group of SIG members on a Study Tour to Holland for 2 days in April. The primary purpose was to visit the Sandmotor project near Scheveningen to find out about the planning, development and monitoring of this novel coastal management structure. The scale of the project was truly mind blowing, and the good news is that after app. 5 years, it appears to be performing broadly as expected, with beach material being distributed both to the north and the south. All very encouraging for our Norfolk colleagues and the Bacton project, and thought provoking for Suffolk in possible contexts such as Aldeburgh / Slaughden.

We were also fortunate to be invited to visit a number of other nearby recent coast defence schemes. The Dutch approach, not only to coast protection itself (which you might expect in their situation), but to the integration of protection schemes into much wider regeneration or resort developments was amazing – and inspiring.. The group were saw a major new 2Km development of the promenade and entire resort frontage at Scheveningen and were also taken to Katwijk to learn about the in-dune car parking scheme. The feedback has been excellent with many engineers and members taking away a lot of learning. A really fantastic quality and well thought-out solution to car parking and flood protection in one. It does not sound that exciting but the entire group were thoroughly impressed by the system and management, and the quality of the public spaces provided. But then the equal measure of frustration sets in on the flight home, when thinking how far away is the thinking in the UK about how to combine disparate benefits in that way.

We will try to put together a couple of papers on the ideas and lessons involved for distribution, including to SCF members.

Flood and Coast 2018

The LGA Coastal SIG this year attended the annual conference in Telford hosted by the EA. The SIG held a workshop, which was well attended, the three main topics discussed included funding; language we use; and resourcing and capacity issues. These issues were lightly touched on in the short 1.5 hours but with lively participation. We are grateful to Paul Hayden for his expert assistance in chairing the session. The SIG also held a stand within the exhibition area and helped to raise the profile of the group and made links with some other areas of the country who do not currently hold membership. Some very useful offline informal discussions were also held with senior figures from DEFRA, the EA, the National Infrastructure Commission and others.

It was also really encouraging, in the opening keynote session, to hear both Clare Dinnis, Deputy Director for Flood and Coastal Risk Management at the Environment Agency., and Sir James Bevan, EA Chief Executive, highlight coastal issues in the opening sentences of their speeches. This underlined what we now believe is a major step forward over the past year or so in thinking across the highest levels of DEFRA and EA about coastal flooding – and even erosion. This follows a series of meetings and visits both formal and informal, with EA Directors and others over recent months.

Meetings

The March meeting was very useful. A workshop was held on the Defra 25 year plan. Output from this workshop will soon be available on the SIG website.

SIG officers had developed a survey with the EA project assurance team to better understand the barriers to completing FCERM projects delivered by local authorities which are funded wholly or in part by FDGiA and/or RFCC levy. The survey reviewed systems of Large Project Review Group, National

Project Assurance Service or the local EA Area Flood and Coastal Erosion Risk Manager. Following the survey and the March SIG meeting the EA have increased the thresholds of projects needing approval and have also extended an open invitation to SIG members to sit on local assurance groups.

I also presented an item on the Government's new 25 Year Environment Plan, which is going to shape a wide range of government thinking in coming years, not least across the whole spectrum of coastal management. I have pulled together a paper of relevant excerpts from the 25YEP document from a coastal perspective. A core part of the concept is the Natural Capital approach, which we all need to begin to understand and build into our thinking. SIG members and others have been kind enough to say that this paper has been very helpful. It is available on the SIG website here:

<https://lgacoastalsig.com/resources/coastal-guidance-and-manuals/>

Please feel free to circulate this link widely to all of your contacts in the coastal scene.

At this meeting the group also welcomed a member of the National Water Safety Forum to discuss coastal safety with Members.

Working with others

Bill Parker has initiated meetings with the SIG and the Association of Directors of Environment, Economy, Planning and Transport, who seem to share similar work streams and who are also keen to work together where possible.

The Coastal Partnership Network hosted a coastal challenge event in April to explore the work streams which overlap between various coastal groups, with the goal to reduce duplication and provide a wider support network. The output of this is expected soon.

Adaptation

Kellie Fisher continues to find ways to involve Defra in this important work.

Consultations that the SIG has responded to:

Fair Funding Review (closed March 2018)

National Infrastructure Assessment (closed January 2018)

The SIG intends to respond to the National Planning Policy Framework consultation (closing 10th May 2018)

Finally, the SIG website is due a revamp – we hope that this will be tendered and developed in the coming months.

Andy Smith, May 2018

MMO

Marine Management Organisation Update

On a national scale, news from the Marine Management Organisation includes the development of the remaining plan areas in England. The East Marine Plans, covering the coastline from Flamborough Head to Felixstowe, have already been adopted. This happened in 2014. The South Marine Plans are in the pre-adoption phase. The remaining plans include those for the North East, North West, South East and South West. For these plans, Iteration 1 introduced people to the proposed marine plan, the MMO's Marine Information System, the vision, objectives and plan area issues. Iteration 2 ended in March this year. This comprised of stakeholder engagement on the draft visions and options for the plans. The online engagement for this was open until the end of March. Now the process moves into Iteration 3 which includes analysing the results from Iteration 2, refining draft policies and further stakeholder engagement. This process will end around this time next year and will result in the draft plans being ready for public consultation.

While this process is happening, the MMO marine planning team continues to monitor the effectiveness of the East and draft South marine plans in achieving the high level marine objectives. In the East, an updated communication and engagement plan is being produced in response to monitoring results. Please refer to the [Marine Information System](#) if you would like further information on sectors and policies within the East Marine Plans.

Eleanor Johnston, April 2018

IFCA

Inshore Fisheries and Conservation Authorities Update

PSP Toxins monitoring update

- In the wake of the deaths of two dogs in December and January as a result of Paralytic Shellfish Poisoning (PSP) Eastern IFCA has coordinated the public sector response to the incidents by forming a Gold Group.
- The dogs had eaten washed up marine life at a beach in Norfolk (Cley) and Suffolk (Felixstowe) and in particular starfish
- Tests undertaken by Cefas confirmed high levels of toxins associated with PSP within starfish in particular washed up during winter storms.
- The Group has been collecting and testing samples from beaches and at sea to monitor the situation with a view to protect public health as required.
- To date, only starfish have been found to still contain high levels of the toxins, edible species have been negative or only had low levels (below which there is a risk to human health).
- Several other suspected poisoning of dogs have been reported although no other dogs are thought to have died.
- The group has issued advice to vets and pet owners in relation to the dogs whom are suspected to have eaten contaminated animals.
- The group has also sought to influence the media response to any such incidents to ensure proportionate and factual reporting as much as possible. This is in recognition to the potential impacts on tourism and the fishing industry around the coast. It should be noted that this is in the context of our overriding duty to protect the public.
- Whilst this work is not considered a core duty of EIFCA, the importance and potential impact of this issue on the fishing industry and recreation/tourism is recognised and it is considered appropriate that EIFCA to contribute to this.

Shrimp Fishing Impact Assessment

- Eastern IFCA has been undertaking an assessment of the impacts of shrimp fishing within The Wash, the complexities of which have led to the work taking longer than expected.
- One measure coming out of this work is a shrimp permit byelaw which will have application throughout the Eastern IFCA district although impacts in Suffolk are thought to be limited as little shrimp fishing occurs.

Crab and lobster management measures

- Eastern IFCA is progressing work related to implementing crab and lobster management measures.
- Officers have been in dialogue with Suffolk fishers regarding how best to engage the industry on the measures. Suffolk fishers have positively contributed to this.
- The next stage will be to informally consult with fishers on the best forms of management to achieve sustainability.

Business planning / Engagement planning

- Eastern IFCA has published the 2018 to 2022 Business Plan which includes the Engagement plan for 2018.
- Priorities remain largely the same as a reflection of the work-streams progressing over more than one financial year.
- The engagement plan for 2018/19 will focus on delivering the recommendation from CVM.
- Eastern IFCA will not be attending outreach events with the aquarium trailer this year and instead has dedicated the time usually assigned (which is substantial) to furthering CVM work.

Luke Godwin, May 2018

NE

Natural England Update

No update at present.

Suffolk Saltmarsh group

The Suffolk Saltmarsh Group, a sub-group of SCF, has been formed to offer strategic support across the Suffolk estuaries and coastal groups for Saltmarsh restoration and re-creation projects. The Group has representatives from relevant statutory and non-statutory bodies and strong links to the Estuary and Coastal Partnerships through their representatives on the Group. The Group met in February and agreed a set of 'task and finish' groups to take forward challenging issues that are currently hampering saltmarsh work and several of these groups have met to move the saltmarsh agenda forward. The themes are, Licencing and Consents, Evidence, Monitoring and Evaluation, Engagement and Communication, Funding and Operations and Delivery. We plan to meet again in May/June to discuss the findings of each group and to set up a prioritised action plan to help progress saltmarsh work. The SSG feed into the Marine Pioneer programme and support the EA- funded Natural Flood Risk Management projects. The SSG have also had oversight of the Deben Saltmarsh Pilot funded by the AONB's Sustainable Development Fund. This project has recently concluded with a high level evaluation of the 'value' of the Deben's saltmarshes by Prof Graham Underwood and his team at Essex University. There are some very compelling figures coming from the report- using the example of Kyson and Loders Cut - there is the potential to improve the Carbon Stock by 82.5 tonnes over a 4ha marsh which is of real interest to the Carbon Charter for example. Scaling this up to an estuary level-Natural England's SSSI status report identified 76% of the Deben marsh being at risk or unfavourable. If one applies Prof Underwood's calculations to the Deben as a whole - taking no action - risks losing £207,332 of Carbon stock. The SSG will now need to discuss the report in more detail and make recommendations for next steps to the Marine Pioneer and the SCF.

Karen Thomas, April 2018

Suffolk Shingle Engine

No update at present.

Marine Pioneer

Update from the Suffolk Marine Pioneer

Project Coordination

- Volunteer Pioneer Project Assistant, Isabel Hoffmann, working full time until end of June. Isabel is a recent Graduate of the University of Edinburgh and completed her thesis on Coastal Ecosystem service provision in Scotland so comes well prepared for the thinking of the Pioneer.
- Steering Group meeting held 24th April – minutes available on [Sharepoint](#).
- Marine Pioneer Conference in planning for 28th June
- Formal reporting structure established with Therese Coffey on a bi-monthly basis via Pioneer Programme lead (Aisling Lanning at the MMO).
- Logic of delivery in respect of local ambition to Defra objectives and ambitions of the 25 year plan mapped and passed to MMO, Defra and Minister Coffey.
- Defra commissioned Evaluation of Marine Pioneer being undertaken from April 2018 with final report expected in September 2018.

Project Delivery

The 5 demonstration projects agreed by the Suffolk Steering Group remain the primary framework of Suffolk Pioneer Delivery. The deliverables under each demonstration project have been mapped in respect of the Pioneers timeframe, resource and ambition.

- Isabel Hoffman is producing Information Sheets to concisely communicate the intent of each demonstration project to wider audiences. (expected June 2018)
- **Suffolk Saltmarsh:** Asset Mapping and ecosystem provision is for the Deben Study area is under production from the University of Essex. Stock and supply of carbon sequestration, flood risk defence and fish nursery habitat will inform evidence priorities and help inform valuation assessment of the asset.
- It is accepted that there are gaps in evidence to inform a natural capital approach. Work is ongoing to inform a Citizen Science framework to inform the approach of ad-hoc work and research on Suffolk Saltmarsh sufficient to inform natural capital assessment and monitoring. Depth of Saltmarsh is one example of required data.
- **MPA Governance:** A NERC innovation placement, led by Carole White of UEA is investigating values relating to marine protected areas. This work will identify links with similar works across the country through literature review. Carole is working with a Marine Conservation Society project to gain access to stakeholders to inform her research. Outputs are expected in September
- Links with Flora and Fauna International and there excellent work with Communities for Seas Scotland has allowed the Pioneer to form a working group with FFI and MCS with opportunity to investigate MPA stewardship. This work acknowledges links with WWF and the Devon Marine Pioneer. MCS and the Pioneer are developing a proposal to take to regulatory/management authorities to determine the viability of the approach.
- Pioneer Staff are attending a JNCC led workshop to discuss the evidence requirements to complete a natural capital asset register (a necessity in undertaking a natural Capital approach)
- Suffolk Pioneer is learning lessons from the model applied through the Wash and North Norfolk Marine Partnership
- **Kessingland:** Lessons learned to date will be reported on in July 2018. Pioneer is liaising with Project delivery lead to keep abreast of the Kessingland and Benacre Flood risk project delivery.
- **Shingle engine:** Pioneer maintains a watching brief over the Slaughden Shingle engine. Reporting on lessons learned to date will be delivered in July 2018.

- **Blue growth:** The MMO hope to understand the relative position of marine consenting system relative to the 25 year plan's ambition to embed the principle of net gain. There is expected to be a disparity between terrestrial and marine delivery.

Project Ambition

- Awaiting the outcome of ARISE bid in May. If successful, the Marine Pioneer is set to partner with ARISE with particular interest in coastal resilience themes. ARISE will complete the Saltmarsh demonstration project of Suffolk marine Pioneer.
- The Pioneer developing its research priorities list to facilitate collaborative opportunities as they arise through academic links, project forums and through delivery partners.
- The Pioneer is liaising with the MMO and the Environment Agency over the possibility of delivering a beneficial re-use of dredging proposal within Suffolk. This proposal has been heavily informed by RSPB/Industry/Regulator discussions in 2017 with the Pioneer seen as the vehicle to enable delivery.

Pete Cosgrove, April 2018