

Press release: Great opportunities for UK from oceans

The report [Foresight Future of the Sea](#), published by the Government Office for Science identifies 4 major areas that can deliver opportunities for the UK by exploiting its science and innovation – an improved understanding of the sea, greater co-ordination, a long-term approach to decision making and the increasing global nature of the challenges we face.

Autonomous vessels, robotics and other emerging technologies are creating a new generation of economic activity. They will allow us to observe and map previously unexplored areas of the sea and improve our understanding of the marine environment. The increase in potential from autonomous vehicles means that areas such as data transfer, sensing, communication technology and improved data transfer between autonomous vehicles and satellites, will be of growing importance across the marine economy.

Science, industry and government all have a shared interest in a productive, healthy and well-understood sea. There are many opportunities for closer collaboration to achieve greater marine exploration, protection and economic output.

The marine environment changes over inherently long timescales and emerging industries require a long-term commitment in order to demonstrate success. For these reasons, a long-term approach to decision making is important from both an economic and environmental perspective.

Professor Chris Whitty, Interim Chief Government Scientific Adviser said:

Our Foresight projects have an excellent reputation for tackling big strategic issues, and the Foresight 'Future of the Sea' project report is no different. This report highlights the key challenges and opportunities a changing ocean offers the UK based on extensive scientific evidence gathering.

Foreign and Commonwealth Office minister Lord (Tariq) Ahmad of Wimbledon said:

Both the opportunities and the challenges set out in this important report are global in scale and demand our urgent attention. The UK is rightly recognised as a world leader in the marine and maritime fields.

We must keep pushing our scientific understanding of the oceans, harness new technologies, and support commercial innovation. Most of all, we must ensure that governments keep pace with this changing environment. International collaboration remains crucial

in order to realise the fullest benefits of our marine industries and scientists, for the UK and the world.

Professor Ed Hill, Executive Director of the National Oceanography Centre, said:

I am pleased to welcome the Government Office for Science's Foresight Future of the Sea report. As the report shows, marine science is a real UK strength – we are currently third in the world for the number of marine science publications. However, there is still more work to be done to achieve greater knowledge of the marine environment and the impacts of climate change. This will be critical for making a success of the future that this report anticipates.

The report outlines a number of recommendations to help the UK utilise its current expertise and technological strengths to foster trade links, build marine capacity across the world and collaborate to tackle climate change.

The UK is a global leader in the field of hydrography, the science of surveying and charting bodies of water, with the UK Hydrographic Office having primary charting responsibility for 71 countries around the world. The UK has an opportunity to improve its understanding of the sea by actively contributing to global ocean observations. Countries around the world are recognising the growing importance of the sea and the need to take a strategic approach to managing marine interests. This report supports a new approach to UK marine and maritime policy which will guide our response to key upcoming decisions and deliver a set of shared principles.

1. The report can be found at www.gov.uk/government/publications/future-of-the-sea after 00.01 on Wednesday 21 March 2018.
2. The Government Office for Science advises the Prime Minister and members of the Cabinet to ensure that government policies and decisions are informed by the best scientific evidence and strategic long-term thinking.

[Speech: We need to do better on social](#)

care

Grow old along with me! The best is yet to be.

The famously optimistic line by Robert Browning might seem out of place to many worried about how we will cope with an ageing population

In modern-day Britain, one of the most developed countries on the planet, our aspiration should be to prove those worries wrong. Because how we care for our most vulnerable citizens is the true litmus test of whether we are a civilised society – not only the care for older people but for younger disabled people who are living much longer.

Progress has been made: the Better Care Fund is transforming the way councils and the NHS work together to treat the whole person: nearly 7 in 10 service users were extremely or very satisfied with their care and support over the last 3 years, and 81% of adult social care providers are rated as good or outstanding. Spending will rise by 9% this year, the number of care home agencies is up 55% since 2010, and we recently set out a new package of measures to protect care home residents from unfair practices.

But today I want to be honest about how well we are meeting that litmus test. In truth, not well enough.

Many families find it incredibly hard to access the care they want with or without means-tested support from the state.

Many people employed in the system find themselves working too hard as they struggle with fragmented services coming under unprecedented pressure.

The CQC has itself expressed serious concerns about the state of the adult social care market and the risks of provider exit.

And that pressure is feeding through to the NHS with A&Es becoming overcrowded because hospitals find themselves unable to discharge patients who cannot access social care support packages.

Behind these systemic issues sit many ordinary human beings in a great deal of distress. Families coming to terms with a relative with dementia. Older people living on their own who won't admit they are lonely. Care home residents with clinical depression, as we know happens in 4 in 10 cases.

So let's be brutally honest. In a country that prides itself on kindness, neighbourliness and respect this does not sit easily, and we need to do better.

Now no-one could accuse this or any government of not talking about the issue. In the past 20 years there have been 5 Green or White Papers, numerous policy papers, and 4 independent reviews into social care. So it would not be

unreasonable to expect scepticism about yet another one this year – and as the new Health and Social Care Secretary I do rather feel the weight of stalled reform programmes on my shoulders.

So in order to get things right this time I want to outline the 7 key principles that will guide our thinking ahead of the Green Paper. And in doing so I wish to pay tribute to the work done by Damian Green, my predecessor, on whose thoughtful foundations much of our thinking has developed.

1. Quality

The first key principle relates to the quality of care. 81% of adult social care providers are good or outstanding according to the CQC – testament to many hardworking and committed professionals working in care to whom we owe a huge debt of gratitude.

But still too many people experience care that is not of the quality we would all want for our own mum or dad. They describe a daily visit from a rotating cast of care workers, perhaps as brief as 15 minutes, with barely time to get help washing or getting dressed and no time to build the friendly relationships that are only possible with proper continuity of care.

And then, despite some improvements, we also still get cases of demonstrable neglect, such as a few weeks ago when a worker at a care home in Norwich was jailed for bullying vulnerable patients, including humiliating a resident with incontinence problems in front of others.

So my first of the 7 principles will be that we need a relentless and unswerving focus on providing the highest standards of care – whatever a person's age or condition. This means a commitment to tackle poor care with minimum standards enforced throughout the system so that those using social care services are always kept safe and treated with the highest standards of dignity and compassion – or as our Chief Inspector for Social Care puts it, that all provision passes the “good enough for my mum” test.

Part of this will be tackling the unacceptable variations in quality and outcomes between different services and different parts of the country.

How can it be, for example, that, according to the NHS atlas of variation, there is around a 90-fold difference in the over 75s' rates of admission to hospital from care homes or nursing homes between the highest and lowest performing local authority areas?

Over the last 5 years enhanced CQC inspections have been central to the journey of improvement that the NHS has been on. And thanks to the superb leadership of Andrea Sutcliffe and her team, those principles have been extended to the social care provider sector. No longer do we worry in the same way as before that abuses in a small minority of cases will go undetected for long periods and we see demonstrable improvements in the majority of cases when people are inspected a second time round.

But the recent local systems reviews conducted by the CQC have demonstrated that an independent approach to reviewing commissioning as well as provision can also be a powerful force for good. These reviews have highlighted variation in performance between local authorities across a range of measures, including how the local authority commissions care from local providers.

So we now need to ask whether the time is right to expand that approach, and one of the questions the Green Paper will pose is whether we can build on the learning from the introduction of independent Ofsted-style ratings for providers to spread best practice to commissioners as well.

2. Whole-person integrated care

Secondly we know that right now, despite many warm words, if you have complex needs our current health and social care system can be confusing and fragmented.

An 85 year old living alone with multiple conditions such as diabetes and early stage dementia often faces a bewildering range of services and organisations.

And the risk is that too often an individual and their family are passed from pillar to post, giving the same information repeatedly without receiving joined up, personalised care that makes them feel like a valued human being and not just another task on someone else's to do list.

So my second key principle is the full integration of health and social care centred around the person. We know when this happens people stay longer at home, healthier, more independent and needing fewer hospital services.

There are many good examples of progress from around the country:

- In Waltham Forest they have introduced a managed network of care and support to meet the needs of local residents through individually selected services – and seen emergency admissions reduced by a fifth during 2015/16.
- In Leeds an integrated care record is now used by over 5,000 health and social care professionals so hospitals arrange faster discharges with care packages put in place more quickly.
- The Better Care Fund, too, has incentivised local areas to work more closely together, and many now have mature systems in place to bring together health and care services around the needs of their older populations.

But the key to this progress is that users of the social care system should have just one plan covering all their health and social care needs based on a

joint assessment by both systems. So today I can announce new pilots in Gloucestershire, Lincolnshire and Nottinghamshire which will mean that over the next 2 years every single person accessing adult social care will be given a joint health and social care assessment and – critically – a joint health and care and support plan, where needed.

Why does this matter? Because integration must never be a bureaucratic exercise that makes life easier for professionals but makes no difference to people using the services. We will fail if we only join up the structures – we have to focus relentlessly on joining up the actual care experienced by vulnerable adults and service users on the ground – and these 3 pilots are intended to be trail-blazers for how to get this right.

3. Control

My third critical principle is control. What matters to individuals and families is the ability to direct the care they receive and autonomy to lead the lives they want.

Personalisation isn't new, and there is a strong consensus that it is the right path to follow, but progress has often been slower for older people than for working age adults with disabilities. Whilst over 90% of older people receive some type of self-directed support, only around 1 in 6 take it as a direct payment with take-up stubbornly low for older people.

Yet we know that the greater control people have over their care, the better their outcomes and the lower the cost. I heard the story of Malcolm Royle, who had dementia, from his son Colin. His personal budget meant that Malcolm no longer had to go to the day centre 8 to 5, but could have regular carers when he needed them. He got back control of his life – and we need to help everyone do this if they have the mental and physical capacity to do so.

So I want to turbo-charge progress on integrated health and care budgets, making them the norm and not the exception when people need ongoing support.

And today I can announce that we will be consulting on Personal Health Budgets, in order to achieve better integration for those with the greatest ongoing social care needs as well as health needs.

And as part of that I commit that over the next 2 years in Gloucestershire, Lincolnshire and Nottinghamshire – our 3 pilot areas – every single person with a joint care plan will also be offered an integrated health and care personal budget.

Control also means transparency and access to reliable information. Where individuals and families have the necessary information to make informed choices, it usually drives quality up. Yet the truth, as set out in a comprehensive report by the Competition and Markets Authority last year, is that the current social care market is anything but transparent. We also need to make sure that anyone who needs to can get the right information to make a meaningful comparison between services so that they end up with a fair and straight deal on their choice of care provider. This isn't just fairer, it

will also spur quality and innovation in the sector.

4. Workforce

My fourth principle is to respect and nurture the social care workforce.

People who work in care homes, who do home visits, who look after people with care needs with kindness and love in every street in every town – these are our society's modern-day heroes. Often highly skilled, they are typically also the lowest paid.

I am deeply proud that the introduction of the National Living Wage means that the average salary for a care worker in the independent sector has gone up by 4%, with those on the minimum wage seeing a pay rise of up to £2,000 since 2015.

But to attract more people into this sector, financial support must be matched with recognition of the value of this vital work and action on the wider set of challenges facing the workforce.

Today is World Social Work Day. So it is right to acknowledge that as a society we have ascribed too little value to these vital caring roles: yet the quality of care our parents get in their final years is as important as the quality of education our children get at the start of their lives.

So it is time to do more to promote social care as a career of choice and to ensure there are better opportunities for progression into areas like nursing which span both the health and social care sectors. And we need coherent workforce planning that is better aligned with that now being undertaken by the NHS. Alongside social workers, occupational therapists and nurses in social care we have many care workers who could benefit or be inspired by new progression ladders similar to those that are being developed in the NHS including roles such as associate nurses and nurse degree apprenticeships. These must be as available to those working in social care as in the NHS.

We have many registered professionals including social workers, occupational therapists and nurses in social care; and many more care workers and other unregistered professions. We need to ensure we have enough people within all of these skilled roles to support people to live the best possible lives. That means making sure that the new routes in to professions that we have developed for those working in the NHS, and the new roles such as nurse associates, also work for those wanting to build their careers in social care.

We need to recognise that people move between the NHS and social care systems – and will do more so as the 2 systems join up. So part of our thinking must be to think about health and care workforce issues in a joined up way. I can therefore confirm today that later this year we will not now be publishing an 'NHS 10 year workforce strategy' – it will be an 'NHS and social care 10 year workforce strategy' with the needs of both sectors considered together and fully aligned.

5. Supporting families and carers

Ronald Reagan famously quipped that “the nearest thing to eternal life we’ll ever see is a government programme.” A big danger in this debate is to see it purely as a government solution.

So my fifth principle is to make the needs of carers central to our new social care strategy.

Of course we need to foster the deep, innate and human responsibility we all feel to look after our loved ones, families and friends. But we should never take it for granted.

If we can make it simpler to look after a loved one, if we can make it easier to juggle working and caring responsibilities, if we can encourage volunteering – whether by more flexible working, better employer support or harnessing new technologies, then that is what we should do.

Over the past months we have been listening to the views of carers so ahead of the Green Paper we will publish an action plan to support them.

And alongside support for carers, as a society we also must tackle the epidemic of loneliness. It is truly a scandal that over 30% of people in Britain over the age of 65 say that television is their main form of company. So the appointment of Tracey Crouch as Minister for Loneliness is a welcome sign of the Prime Minister’s personal determination to address this issue, and we will work with her as we develop the Green Paper to address the underlying causes of loneliness by building an active and creative partnership between the state, individuals and wider civil society.

6. A sustainable funding model for social care supported by a diverse, vibrant and stable market.

Person-centred care means nothing if the individual’s choice and control is undermined by a lack of high-quality services to provide the support they need. Too often we hear of people unable to find the care they want, or of services which are only available in some places but just don’t exist in others.

We have to make sure that we have a vibrant and diverse base of care services for people to draw on. So the sixth principle running through our Green Paper will be the question of how we ensure a sustainable financial system for care, delivering a stable and vibrant market which delivers cost-effective, quality services for all including the debate we need to have with the public on the challenges of sourcing additional social care funding.

We should not assume that the best long term answer will be necessarily the same for different age cohorts. There may be changes that are equitable and achievable for younger people that would not be either of those for the generation approaching retirement. And part of the outcome of this process must be much greater public understanding of where the costs – often

inappropriately – currently lie both for the state and individuals in every age cohort.

We also know the economics of the publicly funded social care market are highly fragile so we need to transform and evolve our models of care.

We will therefore look at how the government can prime innovation in the market, develop the evidence for new models and services, and encourage new models of care provision to expand at scale.

This will specifically include looking at the role of housing, including how we can replicate the very best models that combine a home environment with quality care and how we can better support people through well-designed aids and adaptations.

We must also recognise the potentially transformative role of new technology. We British are good at innovation, although sometimes less good at its application: so let's see the brightest and best new ideas put into action to help us tackle the challenges we face and that will help us stay at home independently for longer.

Which is why the Ageing Grand Challenge announced as part of the Industrial Strategy needs to play a definitive role. Only last week the Government announced a new £98 million innovation fund to support healthy ageing. This funding will aim to catalyse public-private investment in technologies and innovations so that we don't just invent great ideas here, we see them taken up throughout our system.

Going forwards, I will be working closely with other government departments, industry, civil society, academia and local government to ensure we make the most of the opportunities that the Industrial Strategy presents.

A more vibrant and diverse market offer will give people greater choice and more effective support. But it is also vital because if we do nothing to support people's needs more creatively or efficiently, the cost of simply delivering these services today will double in a decade.

And of course we must make sure there is a long term financially sustainable approach to funding the whole system.

Resolving this will take time. But that must not be an excuse to put off necessary reforms. Nor must it delay the debate we need to have with the public about where the funding for social care in the future should come from – so the Green Paper will jump-start that debate.

7. Security for all

The final principle, which lies at the heart of this debate, is the question of security.

We are proud that 70 years ago this country made a big statement of our values when we established the National Health Service. It is, to this day,

the most powerful expression of what we believe in as a society, the central idea that no-one – rich or poor, young or old – should have to worry about affording good healthcare.

But this year is also social care's 70th birthday. The National Assistance Act that abolished the Poor Law and created many of the core elements of the modern social care system came into effect on the same day as the NHS Act.

The National Assistance Act established a related but different principle: that of shared responsibility for care. Whilst the State has always accepted – and continues to accept – its duty to provide decent care for those unable to afford it – notably for those born with a disability or developing a care and support need early in life – our system has also reflected the principle of personal responsibility for care by individuals and families.

And the principle of shared responsibility continues to be right and people should continue to expect to contribute to their care in the future as they prepare for later life – but we are clear that there has to be a partnership between the state and individuals.

But the way our current charging system operates is far from fair. This is particularly true for families faced with the randomness and unpredictability of care, and the punitive consequences that can come from developing certain conditions over others.

If you develop dementia and require long-term residential care, you are likely to have to use a significant chunk of your savings and the equity in your home to pay for that care. But if you require long-term treatment for cancer you won't find anything like the same cost.

So people's financial wellbeing in old age ends up defined less by their industry and service during their working lives, and more by the lottery of which illness they get. We therefore need a system that includes an element of risk-pooling and, as the Prime Minister promised in the election campaign, we will bring forward ideas as to how to do this alongside their potential costs in the Green Paper.

Conclusion

The Green Paper will be published before the summer and will be framed by thinking on the 7 principles that I have set out today:

- quality and safety embedded in service provision
- whole-person, integrated care with the NHS and social care systems operating as one
- the highest possible control given to those receiving support
- a valued workforce
- better practical support for families and carers
- a sustainable funding model for social care supported by a diverse, vibrant and stable market
- greater security for all – for those born or developing a care need early in life and for those entering old age who do not know what their

future care needs may be

Innovation is going to be central to all of these principles: we will not succeed unless the changes we establish embrace the changes in technology and medicine that are profoundly reshaping our world.

By reforming the system in line with these principles everyone – whatever their age – can be confident in our care and support system. Confident that they will have control, confident that they will have quality care and confident that they will get the support they need from wider society.

Let me finish by quoting the words of Fauja Singh, who at a mere 100 years of age became the oldest person ever to complete a marathon: “Anything worth doing”, he said, “is going to be difficult.”

The path to a long-term settlement for social care, built around a strong social contract, has been equally long and arduous, and there will no doubt be further twists and turns.

But Britain has a proud pedigree in establishing one of the first comprehensive healthcare systems in the world. Our innate sense of decency, kindness and common humanity will also drive us to the right solution for social care as it has for health.

Press release: Education Secretary praises profession on World Social Work Day

Education Secretary Damian Hinds today (20 March) marked World Social Work Day by setting out a series of measures to raise the status of the profession and praising social workers for the difference they make in supporting children and families in their care.

The Department for Education has announced two new appointments to work closely with the social work profession and share best practice across the social care system.

Lord Patel of Bradford, a former social worker, will chair the new dedicated social work regulator, Social Work England, which will set professional, education and training standards for social workers.

Former Children’s Minister Edward Timpson will chair the independent Child Safeguarding Practice Review Panel to consider and share the learnings from the most serious child safeguarding cases.

Education Secretary Damian Hinds said:

The job social workers do couldn't be more important and yet they are often the unsung heroes of our society.

World Social Work Day is about recognising the real difference they make to children and families who find themselves in some of the most difficult circumstances, providing life-changing care and support.

This Government wants to carry on raising the status of the social work profession which is why we are helping them improve their skills and develop their careers in the interests of the children who need them.

As chair of Social Work England, the new dedicated regulator, Lord Patel of Bradford will bring his experience as a former social worker to make sure the workforce's views are put at the heart of its development.

The new regulator, jointly set up by the Department for Education and the Department of Health and Social Care, will also make sure all registered child, family and adult social workers have the correct qualifications and meet the standards required for the job and remain fit to practise.

Lord Patel of Bradford, chair of Social Work England, said:

I am honoured and excited to have been appointed as the chair of Social Work England. As a former social worker I am passionate about our profession and truly believe that social workers do and can help to transform lives for the better. However, I know that our profession currently faces unique pressures and challenges.

Supporting and sustaining good social workers requires a strong, confident and effective regulator, so I want Social Work England to not only lead the way in driving up standards, but also to work collaboratively with the profession to ensure that all standards are evidence-based, rooted in real experience and values, and are fit for the 21st Century.

The Child Safeguarding Practice Review Panel, chaired by Edward Timpson, is responsible for overseeing reviews of serious child safeguarding cases which the panel believe include complex or nationally-important issues. It will make sure the findings are shared nationally to inform safeguarding policy and best practice.

Edward Timpson, chair of the Child Safeguarding Practice Review Panel, said:

Nothing is more important than keeping children safe. That's why

I'm delighted to chair the first ever legally-established national panel, working with its members and others to ensure that reviews of serious cases involving children lead to real, meaningful and enduring improvements to child safeguarding practice across the country.

Today the department also announced a number of measures setting out further improvements to children's social care, including:

- New standards for qualified child and family social workers to follow, set out in the Knowledge and Skills Statements, which clearly define what social workers should know and be able to do. This follows a consultation through a series of roundtable discussions around the country.
- Confirming grants worth £3.5 million for the remaining eight of 21 sites taking part in phases one and two of the National Assessment and Accreditation System for children and family social workers. The scheme aims to establish career paths, helping to develop good managers and leaders of the future.
- Setting up a board for the What Works Centre for Children's Social Care, announced in December, and the testing of innovative approaches to the development, sharing and adoption of evidence with a small number of pioneer councils.
- Encouraging local areas to apply for a role as 'early adopters' of the new, stronger safeguarding arrangements, which place equal responsibility for keeping children safe on councils, police and health workers.

Isabelle Trowler, Chief Social Worker for Children and Families, said:

Today, on World Social Work Day, we celebrate our vital public service contribution as we continue to build a stronger, more intelligent and responsive practice system across England. Announcements today that Lord Patel of Bradford and Edward Timpson will respectively lead Social Work England the national Child Safeguarding Practice Review Panel is indicative of the continuous progress we are making. I am delighted they are joining us in this inspiring journey.

These new institutions, alongside the expansion of Partners in Practice, the launch of the What Works Centre and the introduction of post qualification accreditation all demonstrate that Government is investing in social work.

News story: UK team to lead European mission to study new planets

The ARIEL (Atmospheric Remote-sensing Infrared Exoplanet Large-survey) mission was selected today as the next European Space Agency (ESA) science mission, putting UK leadership at the heart of research into planets that lie outside our solar system – exoplanets.

Thousands of exoplanets have now been discovered with a huge diversity of masses, sizes and orbits, but very little is known about their chemical composition, formation, or their evolutionary links to their host stars.

ARIEL will carry out the first ever large-scale survey of exoplanets specifically to examine their atmospheres. It will study hot, Jupiter-size planets close to their stars, and so will help scientists understand the key processes which form planetary systems and affect how they evolve.

Science Minister Sam Gyimah said:

“Space is our final frontier and, working with UCL, we want to be at the forefront of discovering new planets. British involvement in this incredibly exciting new mission demonstrates how integral our world-leading scientific expertise is in solving some of space’s greatest mysteries.

“The UK is a go-to destination for research and discovery, being home to some of the brightest and best talent. Through our modern Industrial Strategy and record funding for R&D, increasing investment to around £12 billion by 2021, we will continue to do all we can to boost our world-leading science sector and build a Britain fit for the future.”

ESA’s Science Programme Committee chose ARIEL for the fourth medium class science mission (M4) in its Cosmic Vision Programme. Subject to further review, the UK Space Agency will provide a multi-million pound investment package to support UK leadership of the project.

Dr Graham Turnock, Chief Executive of the UK Space Agency, said:

“It is thanks to the world-leading skills of our innovative space community that a UK-led consortium has been chosen to take forward the next ESA science mission. This demonstrates what a vital role we continue to play in European collaboration on research in space.

“The ARIEL mission is a prime example of the scientific innovation underpinning the wider economy. It relies on the UK’s science and engineering expertise, which are at the forefront of the Government’s Industrial Strategy.”

The mission’s Principal Investigator is Professor Giovanna Tinetti, from University College London, who will lead the mission science. STFC RAL Space will manage the overall European consortium building the payload, which will

be assembled and tested in Harwell, Oxfordshire. Other UK involvement will come from Cardiff University, Oxford University and the UK Astronomy Technology Centre. UK industry can also expect to be involved in the satellite's construction and operations.

Prof Giovanna Tinetti of UCL said:

"Although we've now discovered around 3800 planets orbiting other stars, the nature of these exoplanets remains largely mysterious. ARIEL will study a statistically large sample of exoplanets to give us a truly representative picture of what these planets are like. This will enable us to answer questions about how the chemistry of a planet links to the environment in which it forms, and how its birth and evolution are affected by its parent star."

The ARIEL Consortium Project Manager, Paul Eccleston, of STFC RAL Space, said:

"It is wonderful news that ESA have selected ARIEL for the next medium class science mission. The team are very excited to have the opportunity to realise the mission we've been developing for the last two years. ARIEL will revolutionise our understanding of how planetary systems form and evolve, helping us put our own solar system into context and compare it to our neighbours in the galaxy."

The UK's central roles in ARIEL build on our international leadership in astronomy and planetary science, and will complement the science being delivered by the European Space Agency's Gaia and PLATO missions, and by the NASA-led James Webb Space Telescope, all missions with major UK involvement.

Press release: PM call with Prime Minister Abe: 20 March 2018

This morning the Prime Minister spoke to Prime Minister Abe of Japan.

The Prime Minister updated Prime Minister Abe on the investigation into the attack on Sergei Skripal and his daughter and the reckless endangerment of the British public through the use of a military grade nerve agent developed by Russia.

The Prime Minister noted that the incident was a grave violation of international law and also state sovereignty.

Prime Minister Abe condemned the incident, and said Japan shared our strong conviction that the use of chemical weapons should never be tolerated. He expressed heartfelt sympathy for the victims, and said Japan shared our

outrage.

They agreed that those responsible must be brought to justice and that Russia must respond in a serious manner, including by cooperating fully with the Organisation for the Prohibition of Chemical Weapons (OPCW) investigation.