

News story: UK collaboration at the International Astronautical Congress

The conference, which ran from Monday 25 September to Friday 29 September, saw more than 4,500 space professionals and enthusiasts attend from 84 countries for a week of events, meetings, collaborations and discovery.

Earlier in the week a landmark agreement was signed between Surrey Satellite Technology Limited (SSTL) and Australia's Commonwealth Scientific and Industrial Research Organisation (CSIRO) to provide Australia access to the cutting-edge British satellite NovaSAR-S.

Surrey Satellite Technology Limited (SSTL) will provide CSIRO a 10% share of the tasking and data acquisition capabilities from NovaSAR-S, a small radar satellite due for launch later this year.

Speaking at the conference Graham Turnock, Chief Executive of the UK Space Agency, said: "The UK space sector is in the middle of a renaissance, begun seven years ago under David Williams [former UK Space Agency CEO] here, and carried on over the last six years by a partnership between our excellent UK space industry, represented here by SSTL, and with continued support from the UK government at the highest levels.

"NovaSAR is an exciting opportunity for the UK and for our partners in the mission. Data from orbit has the potential to change the way we understand and interact with our changing environment, strengthening our public services as well as creating new opportunities for commercial services."



UK Space Agency Chief Executive Graham Turnock at the Nova-SAR-S signing between Surrey Satellite Technology Limited (SSTL) and Australia's Commonwealth Scientific and Industrial Research Organisation (CSIRO)

NovaSAR-S is a technology demonstration mission designed to complement much larger, complex radar satellites with a smaller, lighter and more cost effective platform that delivers Earth observation Synthetic Aperture Radar imagery day and night, and through cloud cover. Managing the energy use on board the small SAR platform has been made possible by using a new, highly efficient S-band solid-state amplifier technology and flying an innovative S-band SAR payload developed by Airbus UK in Portsmouth.

The agreement gives CSIRO tasking rights and the ability to access the raw data directly from the satellite, and a licence to use and share the data with other Australian companies and organisations over an initial 7 year period.

The UK Government provided £21 million grant to assist in the development of NovaSAR-S and will also benefit from access to the SAR data, significantly boosting the UK's sovereign Earth Observation capabilities for applications such as ship detection and identification, oil spill detection, forestry monitoring and disaster monitoring, particularly flood detection and assessment.

Press release: Spawning success for new fish pass

Young salmon have been found in the River Derwent at Shotley Bridge in Consett for the first time in 300 years.

The 33 juvenile salmon caught during recent routine sampling by the Environment Agency are the first evidence of salmon spawning this far upstream since a number of large weirs were built to power industry in the region.

Around £750,000 has been invested over the past decade to build fish passes at four of these weirs to allow fish to reach upstream spawning grounds of the Derwent – which is an important tributary of the River Tyne.

The latest, built a year ago at Lintzford in a partnership project between the Environment Agency, Tyne Rivers Trust and Esh Group, was immediately successful, with adult fish seen using it within hours of its completion.

As well as juveniles caught during sampling upstream at Shotley Bridge, the Environment Agency also found record high numbers of juveniles at three other locations downstream.

Great news for river

The Environment Agency's Phil Rippon, Fisheries Technical Specialist, said:

The presence of young salmon this far upstream has shown the immediate impact and success of the new fish pass. To find them so soon after the completion of the pass and during a single routine survey shows that significant numbers have spawned upstream.

It's also likely that many more sea trout and brown trout will also have been able to access their historical spawning grounds. This is great news for the River Derwent.

We've worked really hard together with our partners over the years to make dramatic improvements to water quality right across the country. But there's always more we can do and opening up our rivers to fish migration is vital for future biodiversity and river health.

Efforts have now started to build a fish pass at the only remaining large weir on the Derwent, further upstream at Shotley Grove, which may date from the 14th Century.

The Environment Agency and Tyne Rivers Trust have completed preliminary design work for a fish pass, and are now seeking funding to cover the

estimated building costs of £275,000.

Douglas Phillips, Operations Director for Tyne Rivers Trust, added:

With more funding the Derwent could become a fantastic example of how intervention on a whole river system can improve spawning rates and the health of the river as a whole.

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[News story: MMO welcomes National Grid for industry interchange](#)

Members of the Marine Management Organisation's (MMO) marine licensing team recently met with National Grid as part of ongoing improvements being made to the service it provides to industry.

The industry interchange programme involves MMO employees hosting and visiting a range of organisations, delivery partners and devolved administrations to learn more about day-to-day and strategic activities, build awareness of other operating environments and establish relationships.

In September members of National Grid visited the MMO headquarters in Newcastle for a two day event aimed at learning more about the marine licensing process.

Matthew Kinmond, MMO senior marine licensing manager said:

We were delighted to host National Grid for a two day industry interchange in Newcastle. The interchange provided us with an opportunity to give National Grid an insight into the wider work of our organisation, as well as the marine licensing team's systems and processes.

This has improved National Grid's knowledge and understanding of the work involved in determining a marine licence application and the wider work we are undertaking to improve our services. We look forward to the return visit to National Grid, where we can continue to build upon our already positive working relationship.

Sean Stokoe, National Grid consents manager said:

Not only were we made to feel exceptionally welcome but we were given a well-structured and comprehensive insight into the work of the MMO, and specifically the marine licensing and environmental assessment process.

Particularly apparent, was the willingness of MMO personnel to work closely with us in the future, and technically guide us, so that we can successfully deliver our construction and engineering projects to specification, programme and cost.

Notes to editors:

- The marine licensing team often carries out interchange sessions with customers and organisations with an interest in their work. This provides an opportunity to learn more about how each other operates and strengthens relationships.
- Other organisations MMO has previously carried out interchange activities with include Lafarge Tarmac, Dong Energy, Peel Ports and Cemex.

SRUC welcomes new head of SAC Consulting Solutions

Scotland's Rural College (SRUC) is pleased to announce the appointment of Andrew Lacey as the new Head of SAC Consulting Solutions.