

## IYS(18)06\_EU – UK (Northern Ireland)

### *Report on Planned Actions to Implement the International Year of the Salmon (IYS) Initiative*

The primary purpose of this IYS reporting template is for Parties / jurisdictions to provide:

- brief details of actions being planned or undertaken as a contribution to the IYS;
- identify which of the five IYS themes the actions are delivering on;
- identify the target audiences the actions intend to reach;
- specify the timeframe for undertaking the actions.

This information will then enable the North Atlantic Steering Committee (NASC) to report to the NASCO Council and IYS partners in the Pacific about activities planned and occurring in the Atlantic region as part of the IYS. It is our intention that the template is easy to complete with a brief description (maximum 200 words) of the action, followed by marking the appropriate tick boxes. The IYS website itself will allow people to register individual events so please do not give details of these here. To give an example of what is being sought the first row of the table has been completed with an illustration. In 2019 and 2020 it is anticipated that we will be requesting updates on progress with the actions provided to assess and report these to the NASC. Please complete this form and return it to the Secretariat **by 15 May 2018**.

For your reference the IYS themes appearing in the table are detailed further below:

**Theme 1: *Status of Salmon*:** to understand the present status of salmon and their environments

**Theme 2: *Salmon in a changing salmosphere*:** to understand and quantify the effects of natural environmental variability and anthropogenic factors affecting salmon distribution and abundance and to make projections of their future changes

**Theme 3: *New Frontiers*:** to develop new technologies and analytical methods to advance salmon science and to explore the uncharted regions of the salmosphere.

**Theme 4: *Human Dimension*:** to improve the resilience of people and salmon through the connection and collaboration of salmon-dependent communities, indigenous peoples, youth, harvesters and resource managers across the salmosphere.

**Theme 5: *Information Systems*:** to develop an integrated archive of accessible electronic data collected during the IYS and tools to support future research.

Party / jurisdiction:	EU – UK (Northern Ireland)			
Short description of the action	IYS Theme	Target audience	Time line	
			Start Date	End Date
<p>Monitoring marine survival on the NI index river Bush provides annual metrics on marine survival of wild and hatchery-origin salmon in UK (Northern Ireland) since 1971. These data are made available to ICES WGNAS and are reported in the national Salmon Digest publication. The River Bush programme involves the Coded-Wire-Tagging (CWT) of wild and hatchery-origin smolts and provides detailed annual information on exploitation levels and patterns in coastal and distant-water fisheries.</p>	<p><b>Theme 1: <i>Status of Salmon</i></b> <input checked="" type="checkbox"/></p> <p><b>Theme 2: <i>Salmon in a changing salmosphere</i></b> <input type="checkbox"/></p> <p><b>Theme 3: <i>New Frontiers</i></b> <input type="checkbox"/></p> <p><b>Theme 4: <i>Human Dimension</i></b> <input type="checkbox"/></p> <p><b>Theme 5: <i>Information Systems</i></b> <input type="checkbox"/></p>	<p>Decision makers <input checked="" type="checkbox"/></p> <p>Public <input checked="" type="checkbox"/></p> <p>Children/Youth <input type="checkbox"/></p> <p>Knowledgeable public <input type="checkbox"/></p>	01/01/1971	Ongoing
<p>Monitoring the number of returning adults and juvenile abundance in the primary salmon rivers in the DAERA jurisdiction of UK (Northern Ireland). These data are made available to ICES WGNAS and are reported in the national Salmon Digest publication.</p>	<p><b>Theme 1: <i>Status of Salmon</i></b> <input checked="" type="checkbox"/></p> <p><b>Theme 2: <i>Salmon in a changing salmosphere</i></b> <input type="checkbox"/></p> <p><b>Theme 3: <i>New Frontiers</i></b> <input type="checkbox"/></p> <p><b>Theme 4: <i>Human Dimension</i></b> <input type="checkbox"/></p> <p><b>Theme 5: <i>Information Systems</i></b> <input type="checkbox"/></p>	<p>Decision makers <input checked="" type="checkbox"/></p> <p>Public <input checked="" type="checkbox"/></p> <p>Children/Youth <input type="checkbox"/></p> <p>Knowledgeable public <input checked="" type="checkbox"/></p>	Ongoing	Ongoing
<p>“Understanding and comparing early mortality of European salmon populations at sea” (SMOLTRACK) project. This project aims to investigating mortality of descending Atlantic salmon smolts in a number of rivers and estuaries distributed across Europe, including the River Bush in Northern Ireland. This project makes use of acoustic and radio telemetry, and smolt quality is assessed using blood cortisone levels as a proxy. Preliminary results show surprisingly low survival of smolts in some places, pointing to early mortality acting as an important regulating factor for adult return.</p>	<p><b>Theme 1: <i>Status of Salmon</i></b> <input checked="" type="checkbox"/></p> <p><b>Theme 2: <i>Salmon in a changing salmosphere</i></b> <input checked="" type="checkbox"/></p> <p><b>Theme 3: <i>New Frontiers</i></b> <input type="checkbox"/></p> <p><b>Theme 4: <i>Human Dimension</i></b> <input type="checkbox"/></p> <p><b>Theme 5: <i>Information Systems</i></b> <input type="checkbox"/></p>	<p>Decision makers <input checked="" type="checkbox"/></p> <p>Public <input checked="" type="checkbox"/></p> <p>Children/Youth <input type="checkbox"/></p> <p>Knowledgeable public <input type="checkbox"/></p>	01/01/2017	01/10/2019
<p>The COMPASS project is a project funded by the EU INTERREG VA Programme. Salmonid fish are part of the project which aims to track various marine organisms along their migration routes on the eastern side of the Irish Sea and the North Channel. The projects aims to quantify the time spend by Atlantic salmon post-smolts in the coastal zone and</p>	<p><b>Theme 1: <i>Status of Salmon</i></b> <input type="checkbox"/></p> <p><b>Theme 2: <i>Salmon in a changing salmosphere</i></b> <input type="checkbox"/></p> <p><b>Theme 3: <i>New Frontiers</i></b> <input type="checkbox"/></p>	<p>Decision makers <input checked="" type="checkbox"/></p> <p>Public <input checked="" type="checkbox"/></p> <p>Children/Youth <input type="checkbox"/></p>	01/01/2018	31/12/2020

<p>at which point they move offshore. This knowledge would help in assessing temporal and spatial patterns in mortality in the transitional phase between near-shore and off-shore.</p>	<p><b>Theme 4: <i>Human Dimension</i></b> <input type="checkbox"/></p> <p><b>Theme 5: <i>Information Systems</i></b> <input type="checkbox"/></p>	<p>Knowledgeable public <input type="checkbox"/></p>		
<p>Assessing genetic introgression of farm escaped Atlantic salmon in wild stocks in UK (Northern Ireland). Introgression of domesticated genetic material into wild stocks of Atlantic salmon can modify certain traits in wild fish, cause loss of fitness and evolutionary potential, and ultimately threaten the persistence of some stocks. Evidence of interbreeding between wild and domesticated salmon has been found in Northern Ireland's rivers, and this programme monitors this process on a tri-annual basis.</p>	<p><b>Theme 1: <i>Status of Salmon</i></b> <input checked="" type="checkbox"/></p> <p><b>Theme 2: <i>Salmon in a changing salmosphere</i></b> <input checked="" type="checkbox"/></p> <p><b>Theme 3: <i>New Frontiers</i></b> <input type="checkbox"/></p> <p><b>Theme 4: <i>Human Dimension</i></b> <input type="checkbox"/></p> <p><b>Theme 5: <i>Information Systems</i></b> <input type="checkbox"/></p>	<p>Decision makers <input type="checkbox"/></p> <p>Public <input type="checkbox"/></p> <p>Children/Youth <input type="checkbox"/></p> <p>Knowledgeable public <input type="checkbox"/></p>	<p>01/04/2016</p>	<p>n/a</p>
<p>Open days for the public to visit the River Bush Salmon Station and find out what research is being undertaken into salmon and management of their stocks in Northern Ireland. This event is held in conjunction with a local Salmon and Whiskey festival and dates have not yet been selected for 2019.</p>	<p><b>Theme 1: <i>Status of Salmon</i></b> <input checked="" type="checkbox"/></p> <p><b>Theme 2: <i>Salmon in a changing salmosphere</i></b> <input type="checkbox"/></p> <p><b>Theme 3: <i>New Frontiers</i></b> <input type="checkbox"/></p> <p><b>Theme 4: <i>Human Dimension</i></b> <input type="checkbox"/></p> <p><b>Theme 5: <i>Information Systems</i></b> <input type="checkbox"/></p>	<p>Decision makers <input checked="" type="checkbox"/></p> <p>Public <input checked="" type="checkbox"/></p> <p>Children/Youth <input checked="" type="checkbox"/></p> <p>Knowledgeable public <input checked="" type="checkbox"/></p>	<p>01/06/2019</p>	<p>Click or tap to enter a date.</p>
<p>Information seminar on salmon tracking in Ireland for local angling clubs, fishery owners, game angling governing body and other interested members of the public. Presentation will also be provided on the IYS on the night. Date has yet to be agreed but likely Jan / Feb 2019</p>	<p><b>Theme 1: <i>Status of Salmon</i></b> <input checked="" type="checkbox"/></p> <p><b>Theme 2: <i>Salmon in a changing salmosphere</i></b> <input checked="" type="checkbox"/></p> <p><b>Theme 3: <i>New Frontiers</i></b> <input type="checkbox"/></p> <p><b>Theme 4: <i>Human Dimension</i></b> <input type="checkbox"/></p> <p><b>Theme 5: <i>Information Systems</i></b> <input type="checkbox"/></p>	<p>Decision makers <input checked="" type="checkbox"/></p> <p>Public <input checked="" type="checkbox"/></p> <p>Children/Youth <input type="checkbox"/></p> <p>Knowledgeable public <input checked="" type="checkbox"/></p>	<p>Early 2019</p>	<p>Click or tap to enter a date.</p>
<p>A commission to create an animated version of the life cycle of the salmon using local primary school children's drawings to illustrate it. To be completed by the end of 2018 for release to schools in 2019.</p>	<p><b>Theme 1: <i>Status of Salmon</i></b> <input checked="" type="checkbox"/></p> <p><b>Theme 2: <i>Salmon in a changing salmosphere</i></b> <input type="checkbox"/></p> <p><b>Theme 3: <i>New Frontiers</i></b> <input type="checkbox"/></p>	<p>Decision makers <input type="checkbox"/></p> <p>Public <input checked="" type="checkbox"/></p> <p>Children/Youth <input checked="" type="checkbox"/></p> <p>Knowledgeable public <input checked="" type="checkbox"/></p>	<p>31/12/2018</p>	<p>Click or tap to enter a date.</p>

	<b>Theme 4: <i>Human Dimension</i></b> <input type="checkbox"/> <b>Theme 5: <i>Information Systems</i></b> <input type="checkbox"/>			
Commissioned video footage to illustrate the life cycle of salmon, scientific monitoring of salmon stocks & research work carried out at the R Bush Salmon Statin. This will be used to provide information for visitors and members of the public to the site.	<b>Theme 1: <i>Status of Salmon</i></b> <input checked="" type="checkbox"/> <b>Theme 2: <i>Salmon in a changing salmosphere</i></b> <input type="checkbox"/> <b>Theme 3: <i>New Frontiers</i></b> <input type="checkbox"/> <b>Theme 4: <i>Human Dimension</i></b> <input type="checkbox"/> <b>Theme 5: <i>Information Systems</i></b> <input type="checkbox"/>	Decision makers <input type="checkbox"/> Public <input checked="" type="checkbox"/> Children/Youth <input checked="" type="checkbox"/> Knowledgeable public <input checked="" type="checkbox"/>	31/12/2018	Click or tap to enter a date.
Initiated discussions with local council areas re salmon connection in their areas with a view to exploring these and developing ideas of making the public more aware of their local salmon stories. This will include North coast salmon fishermen, river where salmon were extinct and have been successfully reintroduced etc	<b>Theme 1: <i>Status of Salmon</i></b> <input checked="" type="checkbox"/> <b>Theme 2: <i>Salmon in a changing salmosphere</i></b> <input type="checkbox"/> <b>Theme 3: <i>New Frontiers</i></b> <input type="checkbox"/> <b>Theme 4: <i>Human Dimension</i></b> <input type="checkbox"/> <b>Theme 5: <i>Information Systems</i></b> <input type="checkbox"/>	Decision makers <input type="checkbox"/> Public <input checked="" type="checkbox"/> Children/Youth <input checked="" type="checkbox"/> Knowledgeable public <input type="checkbox"/>	28/02/2019	Click or tap to enter a date.
Exploring the potential development of a booklet for primary school on the life cycle of salmon that would be available to schools in both Northern Ireland and Ireland	<b>Theme 1: <i>Status of Salmon</i></b> <input checked="" type="checkbox"/> <b>Theme 2: <i>Salmon in a changing salmosphere</i></b> <input checked="" type="checkbox"/> <b>Theme 3: <i>New Frontiers</i></b> <input type="checkbox"/> <b>Theme 4: <i>Human Dimension</i></b> <input type="checkbox"/> <b>Theme 5: <i>Information Systems</i></b> <input type="checkbox"/>	Decision makers <input type="checkbox"/> Public <input checked="" type="checkbox"/> Children/Youth <input checked="" type="checkbox"/> Knowledgeable public <input type="checkbox"/>	31/01/2019	Click or tap to enter a date.
Loughs Agency Educational programmes Through the Loughs Agency visitor centre RiverWatch we will build on existing programmes and exhibits to engage with stakeholders in particular schools and the general public to continue to raise awareness of the issues affecting the Atlantic salmon and highlight the IYS	<b>Theme 1: <i>Status of Salmon</i></b> <input checked="" type="checkbox"/> <b>Theme 2: <i>Salmon in a changing salmosphere</i></b> <input checked="" type="checkbox"/> <b>Theme 3: <i>New Frontiers</i></b> <input type="checkbox"/>	Decision makers <input type="checkbox"/> Public <input checked="" type="checkbox"/> Children/Youth <input checked="" type="checkbox"/> Knowledgeable public <input type="checkbox"/>	Ongoing	Ongoing

	<b>Theme 4: <i>Human Dimension</i></b> <input type="checkbox"/> <b>Theme 5: <i>Information Systems</i></b> <input type="checkbox"/>			
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	<b>Theme 4: <i>Human Dimension</i></b> <input type="checkbox"/> <b>Theme 5: <i>Information Systems</i></b> <input type="checkbox"/>			
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