

IYS(19)01_EU – UK (Scotland)

Report on Actions and Activities to Deliver the International Year of the Salmon (IYS) Initiative, July 2018 to June 2019

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

- brief details of actions, activities (events and projects) being planned or undertaken as a contribution to the IYS;
- identify which of the five IYS themes these actions and activities are delivering on;
- identify whether actions, activities (events and projects) being planned will be delivering outreach and communication;
- identify the target audiences the actions and activities intend to reach;
- specify the timeframe for undertaking the actions and activities.

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 and actions 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 or activity, followed by marking the appropriate tick boxes. To give an example of what is being sought, the first row of the table has been completed with an illustration. Events and projects that have been registered on the IYS website are included here, in addition to any actions from the 2018 reports that fall into the time period of July 2018 to June 2019. In the 2018 meeting of the NASCO Council the Parties agreed that reports on IYS activities and actions should be provided by the jurisdictions in 2019 and in 2020. Please complete this form and return it to the Secretariat **by 12 April 2019**.

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.

Additionally:

Outreach and communication: improving public and political awareness of; salmon's cultural, social, and economic importance; and the challenges salmon face from major environmental changes and human impacts

Party / jurisdiction:		EU – UK (Scotland)		
Short description of the action	IYS Theme	Target audience	Time line	
			Start Date	End Date
<p>Launch of International Year of the Salmon, River Earn, Scotland with the Cabinet Secretary for Environment, Climate Change and Land Reform, Ms Roseanna Cunningham</p> <p>Responsible body: Marine Scotland</p>	<p>Theme 1: <i>Status of Salmon</i> <input checked="" type="checkbox"/></p> <p>Theme 2: <i>Salmon in a changing salmosphere</i> <input type="checkbox"/></p> <p>Theme 3: <i>New Frontiers</i> <input type="checkbox"/></p> <p>Theme 4: <i>Human Dimension</i> <input type="checkbox"/></p> <p>Theme 5: <i>Information Systems</i> <input type="checkbox"/></p> <p><i>Outreach and Communications</i> <input checked="" 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 checked="" type="checkbox"/></p>	25/10/2018	25/10/2018
<p>Fisheries Management Scotland Annual Conference Edinburgh, Scotland, UK</p> <p>Objective: Working with partners in the Missing Salmon Project, the Fisheries Management Scotland Annual Conference will focus on how key pressures on wild salmon are being addressed and prioritized, drawing on international best practice. The discussion will be based around several workshops in which various pressures, and means to address them, will be examined, including salmon farming, renewable energy, predation, hatchery enhancement and invasive species.</p> <p>Responsible body: Fisheries Management Scotland</p>	<p>Theme 1: <i>Status of Salmon</i> <input checked="" type="checkbox"/></p> <p>Theme 2: <i>Salmon in a changing salmosphere</i> <input type="checkbox"/></p> <p>Theme 3: <i>New Frontiers</i> <input type="checkbox"/></p> <p>Theme 4: <i>Human Dimension</i> <input type="checkbox"/></p> <p>Theme 5: <i>Information Systems</i> <input type="checkbox"/></p> <p><i>Outreach and Communications</i> <input checked="" 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 checked="" type="checkbox"/></p>	29/03/2019	29/03/2019
<p>Tweed Salmon Smolt Survival project River Tweed, Scotland, UK</p> <p>Objective: In 2019, International Year of the Salmon, The Tweed Foundation is starting a new study to track the migration of our Salmon Smolts down the river. We need to</p>	<p>Theme 1: <i>Status of Salmon</i> <input type="checkbox"/></p> <p>Theme 2: <i>Salmon in a changing salmosphere</i> <input checked="" type="checkbox"/></p> <p>Theme 3: <i>New Frontiers</i> <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>know how many of our Smolts reach the sea. It is only with hard evidence on the losses that take place in the river that management can be targeted to the best effect.</p> <p>Responsible body: The Tweed Foundation</p>	<p>Theme 4: <i>Human Dimension</i> <input type="checkbox"/></p> <p>Theme 5: <i>Information Systems</i> <input type="checkbox"/></p> <p><i>Outreach and Communications</i> <input type="checkbox"/></p>	<p>Knowledgeable public <input checked="" type="checkbox"/></p>		
<p>Fish in the Classroom North Queensferry, Scotland, UK</p> <p>Objective: Delivering Fish in the Classroom to primary schools across the Forth's Rivers. Classroom 'rivers' with salmonid eggs are delivered to schools for youngsters to rear, and then when ready, fry are freed into the local river.</p> <p>'What's in your river' days include release, invertebrate (food) discovery, and intro to rivers with demonstration of survey techniques (electrofishing, drones etc) to develop ownership and stewardship of fish and rivers. Supported by local schools, environmental groups, angling clubs and dedicated volunteers.</p> <p>Responsible body: Forth Rivers Trust</p>	<p>Theme 1: <i>Status of Salmon</i> <input type="checkbox"/></p> <p>Theme 2: <i>Salmon in a changing salmosphere</i> <input type="checkbox"/></p> <p>Theme 3: <i>New Frontiers</i> <input type="checkbox"/></p> <p>Theme 4: <i>Human Dimension</i> <input type="checkbox"/></p> <p>Theme 5: <i>Information Systems</i> <input type="checkbox"/></p> <p><i>Outreach and Communications</i> <input checked="" type="checkbox"/></p>	<p>Decision makers <input type="checkbox"/></p> <p>Public <input type="checkbox"/></p> <p>Children/Youth <input checked="" type="checkbox"/></p> <p>Knowledgeable public <input type="checkbox"/></p>	<p>?</p>	<p>?</p>
<p>Allan Water Improvement Project – Nether Cambushinnie Bank Protection Dunblane, Scotland, UK</p> <p>Objective: Through the Allan Water Improvement Project the Forth Rivers Trust worked with a local farmer to deliver green river bank restoration on one of the many severely eroding banks of the Allan Water transforming it from a steep sided, bare river bank into a lush, green banking which has been reprofiled to a more natural state. The Trust worked with the farmer, submitting an Agri Environment Climate Scheme application, then managing and installing the green bank protection works.</p> <p>This will benefit the river for years to come with habitat for salmonid fish, birds, insects and more whilst reducing the amount of soil being eroded and entering the river, preventing damage to spawning areas.</p>	<p>Theme 1: <i>Status of Salmon</i> <input type="checkbox"/></p> <p>Theme 2: <i>Salmon in a changing salmosphere</i> <input checked="" type="checkbox"/></p> <p>Theme 3: <i>New Frontiers</i> <input type="checkbox"/></p> <p>Theme 4: <i>Human Dimension</i> <input type="checkbox"/></p> <p>Theme 5: <i>Information Systems</i> <input type="checkbox"/></p> <p><i>Outreach and Communications</i> <input checked="" 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>? finished?</p>	<p>Click or tap to enter a date.</p>

<p>Responsible body: Forth Rivers Trust</p>				
<p>Garbh Uisge Bank Protection Callander, Scotland, UK</p> <p>Objective: The Garbh Uisge is an active river which river processes can function normally in most places. There are a few locations on the river however that if natural river processes continue then it will have an impact on the wider amenity and habitat zones such as the adjacent wet meadow.</p> <p>It is proposed that the project will install 49 metres of brash bank protection along the area of erosion. The brash bank protection will be made up of live willow to create a living structure but also forestry brash to create a buffer in front of the bank to act as a cushion. The benefits of using green bank protection means that it will create habitat for a range of wildlife such as fish, lamprey, insects and birds whilst slowing down the erosion and its impacts.</p>	<p>Theme 1: <i>Status of Salmon</i> <input type="checkbox"/></p> <p>Theme 2: <i>Salmon in a changing salmosphere</i> <input checked="" type="checkbox"/></p> <p>Theme 3: <i>New Frontiers</i> <input type="checkbox"/></p> <p>Theme 4: <i>Human Dimension</i> <input type="checkbox"/></p> <p>Theme 5: <i>Information Systems</i> <input type="checkbox"/></p> <p>Outreach and Communications <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>2019</p>	<p>2019</p>
<p>Responsible body: Forth Rivers Trust</p> <p>Super Salmon! Macduff Marine Aquarium, Macduff, Scotland, UK</p> <p>Objective: Join the Deveron, Bogie & Isla Rivers Trust to celebrate the International Year of the Salmon with a very special day of events at Macduff Aquarium! Hear expert talks on salmon biology, chat to fish scientists, discover what lives in the River Deveron, take part in exciting crafts and much, much more!</p> <p>Responsible body: The Deveron, Bogie & Isla Rivers Charitable Trust</p>	<p>Theme 1: <i>Status of Salmon</i> <input checked="" type="checkbox"/></p> <p>Theme 2: <i>Salmon in a changing salmosphere</i> <input type="checkbox"/></p> <p>Theme 3: <i>New Frontiers</i> <input type="checkbox"/></p> <p>Theme 4: <i>Human Dimension</i> <input type="checkbox"/></p> <p>Theme 5: <i>Information Systems</i> <input type="checkbox"/></p> <p>Outreach and Communications <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 type="checkbox"/></p>	<p>10/07/2019</p>	<p>10/07/2019</p>
<p>RiverLife: Almond & Avon Project Rivers Almond and Avon, Scotland, UK</p> <p>Objective: This project includes a range of measures at various locations in two rivers. The RiverLife project aims to reconnect wildlife and communities to their rivers. The river Almond, once extensively used to power mills in the</p>	<p>Theme 1: <i>Status of Salmon</i> <input checked="" type="checkbox"/></p> <p>Theme 2: <i>Salmon in a changing salmosphere</i> <input type="checkbox"/></p> <p>Theme 3: <i>New Frontiers</i> <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>Ongoing</p>	<p>31/03/2019</p>

<p>eighteenth and nineteenth century, has 8 major redundant in-stream structures which are being improved. The work will benefit Atlantic salmon, sea and brown trout, eels, and lampreys and support the wildlife in the river. The improvements will benefit the local community for recreation use and raise the importance of the local river.</p> <p>Works are being undertaken in conjunction with landowners and volunteers to buffer the river from agricultural impacts by planting trees in the headwaters of the River Avon near Falkirk, including installing drain caps and new head walls, brash banking, willow spilling and fencing.</p> <p>Responsible body: Forth Rivers Trust</p>	<p>Theme 4: <i>Human Dimension</i> <input checked="" type="checkbox"/></p> <p>Theme 5: <i>Information Systems</i> <input type="checkbox"/></p> <p><i>Outreach and Communications</i> <input type="checkbox"/></p>	<p>Knowledgeable public <input checked="" type="checkbox"/></p>		
<p>River Tyne Barrier Easement Project River Tyne, Haddington, Scotland, UK</p> <p>Objective: The Forth Rivers Trust is working with others to ensure that the barriers on the River Tyne are removed and/or adapted to allow fish passage. Six barriers have been identified, four are redundant industrial heritage, others are still being used for current uses form hydro to brewing and require regulatory upgrading.</p> <p>Responsible body: Forth Rivers Trust</p>	<p>Theme 1: <i>Status of Salmon</i> <input checked="" type="checkbox"/></p> <p>Theme 2: <i>Salmon in a changing salmosphere</i> <input type="checkbox"/></p> <p>Theme 3: <i>New Frontiers</i> <input type="checkbox"/></p> <p>Theme 4: <i>Human Dimension</i> <input type="checkbox"/></p> <p>Theme 5: <i>Information Systems</i> <input type="checkbox"/></p> <p><i>Outreach and Communications</i> <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>?</p>	<p>?</p>
<p>Midlothian Esks Barrier Easement Project River Esk, Dalkeith, Scotland, UK</p> <p>Objective: The Forth Rivers Trust is working with local community groups to ensure that works are undertaken to both redundant and licenced barriers to restore fish passage to the river. Their river is highly impacted from redundant industrial legacy but is highly resilient and dynamic. There are approx 20 barriers on the river, and most are no longer in use. Despite the impacts, the river has a returning population of Atlantic salmon and sea trout as well as eels, lamprey and resident brown trout and grayling.</p>	<p>Theme 1: <i>Status of Salmon</i> <input checked="" type="checkbox"/></p> <p>Theme 2: <i>Salmon in a changing salmosphere</i> <input type="checkbox"/></p> <p>Theme 3: <i>New Frontiers</i> <input type="checkbox"/></p> <p>Theme 4: <i>Human Dimension</i> <input type="checkbox"/></p> <p>Theme 5: <i>Information Systems</i> <input type="checkbox"/></p> <p><i>Outreach and Communications</i> <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>?</p>	<p>?</p>

<p>Responsible body: Forth Rivers Trust</p> <p>Annan Haaf Netting Project – Exhibition Annan, Dumfries and Galloway, Scotland, UK</p> <p>The Exhibition draws together materials developed as part of the haaf net project which records, preserves and promotes the cultural and historical significance of haaf netting on the Solway. The project has achieved a number of outcomes including gathering and curating of photographic archives; preparation of information boards; themed benches and telescopes on the shore; a schools education pack; and development of a new project film – The Last Tide. The temporary exhibition will run from 4 May to 14 June 2019, before being transferred to The Devil’s Porridge museum and visitor attraction in Easttriggs.</p> <p>Responsible body: Dumfries and Galloway Council</p>	<p>Theme 1: <i>Status of Salmon</i> <input type="checkbox"/></p> <p>Theme 2: <i>Salmon in a changing salmosphere</i> <input type="checkbox"/></p> <p>Theme 3: <i>New Frontiers</i> <input type="checkbox"/></p> <p>Theme 4: <i>Human Dimension</i> <input type="checkbox"/></p> <p>Theme 5: <i>Information Systems</i> <input type="checkbox"/></p> <p><i>Outreach and Communications</i> <input checked="" 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 type="checkbox"/></p>	04/05/2019	14/06/2019
<p>Marine Scotland – Science Open Day Atholl Palace Hotel, Pitlochry, Scotland, UK</p> <p>Marine Scotland’s Freshwater Fisheries Laboratory annual Open Day – “Science for Managing Fish and Fisheries”</p> <p>https://www2.gov.scot/Topics/marine/science/Faskally #fflopentday #scienceinaction</p>	<p>Theme 1: <i>Status of Salmon</i> <input checked="" type="checkbox"/></p> <p>Theme 2: <i>Salmon in a changing salmosphere</i> <input checked="" type="checkbox"/></p> <p>Theme 3: <i>New Frontiers</i> <input type="checkbox"/></p> <p>Theme 4: <i>Human Dimension</i> <input type="checkbox"/></p> <p>Theme 5: <i>Information Systems</i> <input type="checkbox"/></p> <p><i>Outreach and Communications</i> <input checked="" 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>	15/06/2019	15/06/2019
<p>Famous Faces - Launch the audiobook recording of the classic book ‘Salar the Salmon’ by Henry Williamson. Narrated by James Murray. AST running a social media campaign, tagging International Year of the Salmon. https://youtu.be/xw237oYxbkI</p> <p>Responsible body: Atlantic Salmon Trust</p>	<p>Theme 1: <i>Status of Salmon</i> <input type="checkbox"/></p> <p>Theme 2: <i>Salmon in a changing salmosphere</i> <input type="checkbox"/></p> <p>Theme 3: <i>New Frontiers</i> <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 type="checkbox"/></p>	02/04/2019	On-going

	Theme 4: Human Dimension <input type="checkbox"/> Theme 5: Information Systems <input type="checkbox"/> Outreach and Communications <input checked="" type="checkbox"/>			
<p>Likely Suspects Framework for Salmon With support from NASCO, The AST, its partners and the inter-governmental bodies across the Atlantic and Pacific, have been developing a statistical framework for conceptualising all of the impacts on salmon during their freshwater migration phase and subsequent marine migration. This is the suspects framework for Atlantic salmon. Identification of available data for the LSF taking place at ICES workshops in 2019.</p> <p>The Preliminary workshop took place in Rutland Square, Edinburgh, Scotland in November 2017 and was the first preparatory event for the forthcoming International Year of the Salmon in 2019.</p> <p>Responsible body: Atlantic Salmon Trust</p>	Theme 1: Status of Salmon <input type="checkbox"/> Theme 2: Salmon in a changing salmosphere <input type="checkbox"/> Theme 3: New Frontiers <input checked="" type="checkbox"/> Theme 4: Human Dimension <input type="checkbox"/> Theme 5: Information Systems <input checked="" type="checkbox"/> Outreach and Communications <input type="checkbox"/>	Decision makers <input checked="" type="checkbox"/> Public <input type="checkbox"/> Children/Youth <input type="checkbox"/> Knowledgeable public <input type="checkbox"/>	On-going	Click or tap to enter a date.
<p>Commencing in IYS 2019 - The Missing Salmon Project is a program of evidence based research to contribute towards the activities to halt and reverse the decline in stocks of wild Atlantic salmon. The programme is based on an established process – a suspects framework. The Atlantic Salmon Trust, Game Conservancy & Wildlife Trust, Salmon and Trout Conservation and The Angling Trust are working together to take the project forward.</p> <p>In Scotland the Moray Firth Tracking Project is an integral part of The Missing Salmon Project and we are using social media and awareness raising for this project to also help raise awareness of International Year of the Salmon.</p>	Theme 1: Status of Salmon <input type="checkbox"/> Theme 2: Salmon in a changing salmosphere <input type="checkbox"/> Theme 3: New Frontiers <input checked="" type="checkbox"/> Theme 4: Human Dimension <input type="checkbox"/> Theme 5: Information	Decision makers <input checked="" type="checkbox"/> Public <input type="checkbox"/> Children/Youth <input type="checkbox"/> Knowledgeable public <input checked="" type="checkbox"/>	2019	Click or tap to enter a date.

<p>The tracking project commenced in March/April 2019.</p> <p>Facebook page: https://www.facebook.com/TheMissingSalmonProject/</p> <p>Responsible body: Atlantic Salmon Trust</p>	<p><i>Systems</i> <input type="checkbox"/></p> <p><i>Outreach and Communications</i> <input checked="" type="checkbox"/></p>			
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