IYS(20)01_EU - UK (Scotland)

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

This report was compiled by the NASCO Secretariat from activities and events registered on the IYS website, earlier reports submitted by the Party / jurisdiction and projects funded via NASCO.

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

- identify which IYS effort has had the biggest impact for you;
- provide brief details of actions, activities (events and projects) undertaken as a contribution to the IYS;
- identify which of the five IYS themes these actions and activities have delivered on;
- identify whether actions, activities (events and projects) delivered outreach and communication,
- identify the target audiences the actions and activities intended to reach; and
- 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 occurring in the Atlantic region as part of the IYS. Where it has been possible, events and projects that have been registered on the IYS website have been added to the Report, as have the various Small Grants awarded under the IYS funding, to aid you in the completion of the document and to ensure they are recorded. Please feel free to edit these and add further activities or actions. 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. Events and projects that have been registered on the IYS website are included here, in addition to any actions from the 2019 reports that fall into the time period of September 2018 (the various IYS launch events) to December 2019. In the 2018 meeting of the NASCO Council the Parties agreed that reports on IYS activities and actions should be provided by the Parties / jurisdictions in 2019 and in 2020. Please complete this form and return it to the Secretariat **by Friday 7 February 2020.**

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)						
What activity / effort has had the biggest impact for your Party / jurisdiction?						
Short description of the action	IYS Theme		Target audience	•	Time line	
-					Start Date	End Date
Launch of International Year of the Salmon, River Earn, Scotland with the Cabinet Secretary for Environment,	Theme 1: Status of Salmon	\boxtimes			25/10/2018	25/10/2018
Climate Change and Land Reform, Ms Roseanna Cunningham	Theme 2: Salmon in a changing salmosphere		Decision makers			
	Theme 3: New Frontiers		Decision makers			
			Public			
	Theme 4: Human Dimension					
Responsible body: Marine Scotland	Theme 5: Information		Children/Youth			
	<i>Systems</i>		Knowledgeable public	\boxtimes		
	Outreach and					
	Communications	\boxtimes				
Fisheries Management Scotland Annual Conference	Theme 1: Status of Salmon	\boxtimes			29/03/2019	29/03/2019
Edinburgh, Scotland, UK	Theme 2: Salmon in a					
Objective: Working with partners in the Missing Salmon	changing salmosphere		Decision makers			
Project, the Fisheries Management Scotland Annual	Theme 3: New Frontiers		Decision makers			
Conference will focus on how key pressures on wild salmon are being addressed and prioritized, drawing on international			Public			
best practice. The discussion will be based around several	Theme 4: <i>Human Dimension</i>			_		
workshops in which various pressures, and means to address	Theme 5: Information		Children/Youth			
them, will be examined, including salmon farming, renewable	Systems		Knowledgeable public	\boxtimes		
energy, predation, hatchery enhancement and invasive species.	Outreach and					
Responsible body: Fisheries Management Scotland	Communications	\boxtimes				

Tweed Salmon Smolt Survival project River Tweed, Scotland, UK	Theme 1: Status of Salmon				Click or tap to enter a date.	Click or tap to enter a date.
Objective: In 2019, International Year of the Salmon, The	Theme 2: Salmon in a changing salmosphere	\boxtimes	Decision makers		enter a uate.	enter a date.
Tweed Foundation is starting a new study to track the migration of our Salmon Smolts down the river. We need to	Theme 3: New Frontiers		Public			
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.	Theme 4: Human Dimension					
	Theme 5: Information Systems		Children/Youth			
Responsible body: The Tweed Foundation	Outreach and		Knowledgeable public	\boxtimes		
	Communications					
Fish in the Classroom North Queensferry, Scotland, UK	Theme 1: <i>Status of Salmon</i> Theme 2: <i>Salmon in a</i>				Click or tap to enter a date.	Click or tap to enter a date.
Objective: Delivering Fish in the Classroom to primary	changing salmosphere		Decision makers			
schools across the Forth's Rivers. Classroom 'rivers' with salmonid eggs are delivered to schools for youngsters to rear,	Theme 3: New Frontiers					
and then when ready, fry are freed into the local river.	Theme 4: <i>Human Dimension</i> Theme 5: <i>Information</i>		Public			
'What's in your river' days include release, invertebrate (food) discovery, and intro to rivers with demonstration of survey	Systems		Children/Youth	\boxtimes		
techniques (electrofishing, drones etc) to develop ownership and stewardship of fish and rivers. Supported by local schools, environmental groups, angling clubs and dedicated volunteers.	Outreach and Communications		Knowledgeable public			
Responsible body:Forth Rivers TrustAllan Water Improvement Project – Nether Cambushinnie	Theme 1: Status of Salmon				Click or tap to	Click or tap to
Bank Protection Dunblane, Scotland, UK	Theme 2: Salmon in a			_	enter a date.	enter a date.
	changing salmosphere	\boxtimes	Decision makers			
Objective: Through the Allan Water Improvement Project the Forth Rivers Trust worked with a local farmer to deliver green	Theme 3: New Frontiers		Public	\boxtimes		
river bank restoration on one of the many severely eroding banks of the Allan Water transforming it from a steep sided,	Theme 4: <i>Human Dimension</i> Theme 5: <i>Information</i>		Children/Youth	\boxtimes		
bare river bank into a lush, green banking which has been reprofiled to a more natural state. The Trust worked with the	Systems		Knowledgeable public	\boxtimes		
farmer, submitting an Agri Environment Climate Scheme	Outreach and					

 application, then managing and installing the green bank protection works. 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. Responsible body: Forth Rivers Trust 	Communications					
Garbh Uisge Bank Protection	Theme 1: Status of Salmon				2019	2019
Callander, Scotland, UK	Theme 1: Status of Satmon				2019	2019
	Theme 2: Salmon in a					
Objective: The Garbh Uisge is an active river which river	changing salmosphere	\boxtimes				
processes can function normally in most places. There are a few locations on the river however that if natural river	Theme 3: New Frontiers					
processes continue then it will have an impact on the wider amenity and habitat zones such as the adjacent wet meadow.	Theme 4: Human Dimension		Decision makers			
It is proposed that the project will install 49 metres of brash	Theme 5: Information Systems		Public	\boxtimes		
bank protection along the area of erosion. The brash bank protection will be made up of live willow to create a living	Outreach and		Children/Youth	\boxtimes		
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.	Communications		Knowledgeable public			
Responsible body: Forth Rivers Trust						
Super Salmon!	Theme 1: Status of Salmon	\boxtimes			10/07/2019	10/07/2019
Macduff Marine Aquarium, Macduff, Scotland, UK Objective: Join the Deveron, Bogie & Isla Rivers Trust to	Theme 2: Salmon in a changing salmosphere		Decision makers			
celebrate the International Year of the Salmon with a very special day of events at Macduff Aquarium! Hear expert talks	Theme 3: New Frontiers		Public	\boxtimes		
on salmon biology, chat to fish scientists, discover what lives in the River Deveron, take part in exciting crafts and much,	Theme 4: Human Dimension		Children/Youth	\boxtimes		
much more!	Theme 5: Information Systems		Knowledgeable public			
Responsible body: The Deveron, Bogie & Isla Rivers Charitable Trust	Outreach and					

	Communications					
RiverLife: Almond & Avon Project	Theme 1: Status of Salmon				Ongoing	31/03/2019
River Line: Annoha & Avon Project Rivers Almond and Avon, Scotland, UK 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 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.	Theme 1: Status of Salmon Theme 2: Salmon in a changing salmosphere Theme 3: New Frontiers Theme 4: Human Dimension Theme 5: Information Systems Outreach and Communications		Decision makers Public Children/Youth		Chigoling	51/05/2019
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.			Knowledgeable public			
Responsible body: Forth Rivers Trust River Tyne Barrier Easement Project	Theme 1: Status of Salmon				Click or tap to	Click or tap to
River Tyne, Haddington, Scotland, UK	Theme 1: Salus of Salmon Theme 2: Salmon in a				enter a date.	enter a date.
Objective: The Forth Rivers Trust is working with others to	changing salmosphere		Decision makers			
ensure that the barriers on the River Tyne are removed and/or adapted to allow fish passage. Six barriers have been	Theme 3: New Frontiers		Public	\boxtimes		
identified, four are redundant industrial heritage, others are still being used for current uses form hydro to brewing and	Theme 4: Human Dimension					
require regulatory upgrading.	Theme 5: Information Systems		Children/Youth	\boxtimes		
Responsible body: Forth Rivers Trust	Outreach and Communications		Knowledgeable public			
Midlothian Esks Barrier Easement Project	Theme 1: Status of Salmon	\boxtimes	Decision makers		Click or tap to	Click or tap to
River Esk, Dalkeith, Scotland, UK	Theme 2: Salmon in a		Public	\boxtimes	enter a date.	enter a date.

Objective: The Forth Rivers Trust is working with local	changing salmosphere					
community groups to ensure that works are undertaken to both	Theme 3: New Frontiers		Children/Youth	\boxtimes		
redundant and licenced barriers to restore fish passage to the river. Their river is highly impacted from redundant industrial			Variable de cable and l'a			
legacy but is highly resilient and dynamic. There are approx	Theme 4: Human Dimension		Knowledgeable public	X		
20 barriers on the river, and most are no longer in use. Despite	Theme 5: Information					
the impacts, the river has a returning population of Atlantic salmon and sea trout as well as eels, lamprey and resident	Systems					
brown trout and grayling.	Outreach and					
	Communications					
Responsible body: Forth Rivers Trust					0.4/0.7/0.040	1.1.10.5/2010
Annan Haaf Netting Project – Exhibition Annan, Dumfries and Galloway, Scotland, UK	Theme 1: Status of Salmon				04/05/2019	14/06/2019
Annan, Dummes and Ganoway, Scotland, OK	Theme 2: Salmon in a					
The Exhibition draws together materials developed as part of	changing salmosphere					
the haaf net project which records, preserves and promotes the	Theme 3: New Frontiers		Decision makers	\boxtimes		
cultural and historical significance of haaf netting on the Solway. The project has achieved a number of outcomes	Theme 4: <i>Human Dimension</i>		Decision makers			
including gathering and curating of photographic archives;			Public	\boxtimes		
preparation of information boards; themed benches and	Theme 5: <i>Information</i>	_				
telescopes on the shore; a schools education pack; and development of a new project film – The Last Tide. The	Systems		Children/Youth	\boxtimes		
temporary exhibition will run from 4 May to 14 June 2019,	Outreach and		Knowledgeable public			
before being transferred to The Devil's Porridge museum and	Communications	\boxtimes	Kilowiedgeable public			
visitor attraction in Eastriggs.						
Responsible body: Dumfries and Galloway Council						
Marine Scotland – Science Open Day	Theme 1: Status of Salmon	\boxtimes			15/06/2019	15/06/2019
Atholl Palace Hotel, Pitlochry, Scotland, UK	Theme 2: Salmon in a			_		
Marine Scotland's Freshwater Fisheries Laboratory annual	changing salmosphere	\boxtimes	Decision makers			
Open Day – "Science for Managing Fish and Fisheries"	Theme 3: New Frontiers		Public	\boxtimes		
https://www2.gov.scot/Topics/marine/science/Faskally	Theme 4: Human Dimension		Children/Youth	\boxtimes		
#fflopenday #scienceinaction	Theme 5: Information					
	Systems		Knowledgeable public	\boxtimes		
	Outreach and					
			1		1	

	Communications	\boxtimes				
Famous Faces - Launch the audiobook recording of the classic book 'Salar the Salmon' by Henry Williamson.	Theme 1: Status of Salmon				02/04/2019	On-going
Narrated by James Murray. AST running a social media campaign, tagging International Year of the Salmon. https://youtu.be/xw237oYxbkI	Theme 2: Salmon in a changing salmosphere		Decision makers			
	Theme 3: New Frontiers		Public	\boxtimes		
Responsible body: Atlantic Salmon Trust	Theme 4: Human Dimension					
	Theme 5: <i>Information</i>	_	Children/Youth	\boxtimes		
	Systems		Knowledgeable public			
	Outreach and Communications	\boxtimes				
Likely Suspects Framework for Salmon	Theme 1: Status of Salmon				On-going	Click or tap to
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	Theme 2: Salmon in a changing salmosphere					enter a date.
impacts on salmon during their freshwater migration phase and subsequent marine migration. This is the suspects framework	Theme 3: New Frontiers	\boxtimes	Decision makers	\boxtimes		
for Atlantic salmon. Identification of available data for the LSF taking place at ICES workshops in 2019.	Theme 4: Human Dimension		Public			
The Preliminary workshop took place in Rutland Square,	Theme 5: Information Systems		Children/Youth			
Edinburgh, Scotland in November 2017 and was the first preparatory event for the forthcoming International Year of the Salmon in 2019.	Outreach and Communications		Knowledgeable public			
Responsible body: Atlantic Salmon Trust						
Commencing in IYS 2019 - The Missing Salmon Project is a program of evidence based research to contribute towards the	Theme 1: <i>Status of Salmon</i>		Decision makers	\boxtimes	Click or tap to enter a date.	Click or tap to enter a date.
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	Theme 2: Salmon in a changing salmosphere		Public			
	Theme 3: New Frontiers	\boxtimes	Children/Youth			
Conservation and The Angling Trust are working together to take the project forward.	Theme 4: Human Dimension					
une die project forward.	Theme 5: Information		Knowledgeable public	M		

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. The tracking project commenced in March/April 2019. Facebook page: <u>https://www.facebook.com/TheMissingSalmonProject/</u> Responsible body: Atlantic Salmon Trust	Systems Outreach and Communications			
IYS Small Grant Forth Rivers Trust Objective: The Forth Rivers Trust plan to use the funding granted to raise awareness of the pressures Atlantic Salmon face in the Forth. This will be done by making a short film touching on some of the pressures found around the Forth and how they impact on salmon. The short film will then be promoted on our social media pages and website and	Theme 1: Status of SalmonTheme 2: Salmon in a changing salmosphereTheme 3: New FrontiersTheme 4: Human DimensionTheme 5: Information	Decision makers Public Children/Youth	Click or tap to enter a date.	Click or tap to enter a date.
promoted to the local communities which live and work along rivers in the Forth. Responsible body: Forth Rivers Trust	Systems Outreach and Communications	Knowledgeable public		
 IYS Small Grant Galloway Fisheries Trust Objective: Project will inform, educate and provide information to encourage land managers to undertake actions to recover water quality and salmon populations in SW Scotland through encouraging partnership working and sharing knowledge. GFT will produce online interactive river catchment maps for various rivers in SW Scotland detailing 	Theme 1: Status of Salmon Theme 2: Salmon in a changing salmosphere Theme 3: New Frontiers Theme 4: Human Dimension Theme 5: Information	Decision makers Public Children/Youth	Click or tap to enter a date.	Click or tap to enter a date.
the status of salmon populations, where acidification is affecting water courses and map roughly the key areas where peatland restoration / forestry restructuring is needed to improve water quality to return sustainable salmon populations. New website pages will outline what land	Systems Outreach and Communications	Knowledgeable public		

managers / foresters locally can do to aid salmon / water quality.						
Responsible body: Galloway Fisheries Trust						
IYS Small Grant	Theme 1: Status of Salmon				Click or tap to	Click or tap to
The Tweed Foundation	Theme 2: Salmon in a				enter a date.	enter a date.
Objective: To further the understanding, importance and current plight of our Atlantic salmon stocks on the River	changing salmosphere		Decision makers			
Tweed.	Theme 3: New Frontiers		Public	\boxtimes		
Responsible body: The Tweed Foundation	Theme 4: <i>Human Dimension</i> Theme 5: <i>Information</i>		Children/Youth	\boxtimes		
	Systems		Knowledgeable public			
	Outreach and Communications	\boxtimes				
Title of activity	Theme 1: Status of Salmon				Click or tap to	Click or tap to
Objective:	Theme 2: Salmon in a changing salmosphere		Decision makers		enter a date.	enter a date.
Responsible body:	Theme 3: New Frontiers		Public			
	Theme 4: Human Dimension		Children/Youth			
	Theme 5: Information Systems					
		_	Knowledgeable public			
	Outreach and Communications					
Title of activity	Theme 1: Status of Salmon				Click or tap to enter a date.	Click or tap to enter a date.
Objective:	Theme 2: Salmon in a changing salmosphere		Decision makers		enter a date.	enter a date.
Responsible body:	changing salmosphere Theme 3: New Frontiers		Public			
	Theme 4: Human Dimension		Children/Youth			
	Theme 5: Information Systems		Knowledgeable public			

Outreach and		
<i>Communications</i>		