IAHS Sivapalan Young Scientists Travel Awards (SYSTA)

Report for 2024 to IAHS Bureau, July 2025

Background to and aims of SYSTA

A travel award scheme was proposed initially at the IAHS Ltd Board meeting in February 2018. The proposal for the SYSTA scheme was presented by the IAHS President at the IAHS Bureau meeting in April 2018 and approved. SYSTA was launched in September 2018. The first IAHS meeting for which SYSTA support was available was the IUGG General Assembly in Montréal, Canada, in July 2019.

The aims of the IAHS Sivapalan Young Scientists Travel Awards (SYSTA) are to: (1) strengthen attendance of IAHS Meetings from financially disadvantaged countries; and (2) foster high quality science among a new generation of hydrologists.

Budget allocation and payments

SYSTA is financed as part of IAHS' charitable mandate. An annual budget of €30000 was set initially. Monies allocated to the Award scheme not spent in that year are carried over.

From 2019 to 2021 the award amount was limited to a maximum of €2000 per individual for covering registration fee, visa fee (if necessary), accommodation and transport. At the February 2021 annual IAHS Ltd Board meeting it was agreed to increase the individual award amount to €2500. The IAHS Bureau meeting in June 2021 endorsed the inclusion of travel insurance (if needed) and COVID tests (if required for travel) as eligible other costs in the award amount. The annual SYSTA budget was therefore increased to €37500, to continue to allow at least 15 awards to be made per year.

At the 4 December 2023 IAHS Bureau meeting it was agreed to increase the individual maximum award amount to €3200 to include subsistence costs (food and non-alcoholic beverages) and also increase the allowance for accommodation costs. Bureau also endorsed the use of part of the annual SYSTA budget to support participation at the newly proposed IAHS Academy of applicants who meet all the SYSTA criteria. The annual budget for the SYSTA scheme for 2024 was set initially at €37500 (11–12 awards at maximum amounts), but then reduced to ~8–10 awards per year to ensure long-term financial sustainability in the revised budget agreed at the June 2024 Bureau meeting.

As far as possible, award payments are made directly by IAHS (e.g. registration fees, flights and accommodation) to ensure maximum accountability for award payments and reduce the burden on the awardee to find funding for upfront payments. Normally more expensive changeable and refundable flights are booked to reduce losses of upfront payments by IAHS if the awardee is unable to travel, for example due to visa denial.

SYSTA operation

SYSTA awards are only available to eligible scientists attending IAHS events.

Applications are only considered from scientists that meet ALL of the following criteria:

- They grew up and now reside in a financially disadvantaged country (FDC).
- They are registered for a PhD or completed their PhD less than 5 years ago, but PhD graduation is not mandatory. (An extra year per child is allowed for parents if they took parental leave).
- There is evidence of their high quality/high potential as a scientist in the form of a paper of which they are first author in HSJ or PIAHS (or in another listed hydrological journal) published in English.

- They have not previously received a SYSTA award for intercontinental travel.
- They will be giving a presentation at the meeting.

Applications comprise a completed short application form (see Appendix A) accompanied by a paper of which the applicant is first author in a listed hydrological journal. Guidance on completing the application form is given on the IAHS website. Until July 2023, the SYSTA webpage and all application materials were provided in English and French, and applications could be made in English or French. Following the recommendation from the January 2023 review of the SYSTA scheme, the Bureau voted at its meeting on 10 July 2023 for the SYSTA scheme to be conducted in English only so as to be aligned with all other IAHS activities. All SYSTA applications, including the published first author paper, and correspondence are now conducted in English.

Complete applications that meet the eligibility criteria are reviewed by the SYSTA Committee of IAHS, comprising the Secretary General, the three Vice-Presidents, the Chair of the IAHS Early Career Committee, and the Treasurer. For the evaluation of SYSTA applications to attend IAHS Academy courses, the SYSTA Committee will additionally include the IAHS Academy Chair. The Treasurer runs the evaluation process, and the decisions are agreed by the Committee.

Reporting

Recipients submit a short report of their meeting attendance which are mounted on the IAHS website. Guidance for the report is provided: a 150-words maximum length report, providing an overview of the awardee's engagement with the meeting and what they got out of it, and including an image.

The recipients are encouraged to submit a paper to HSJ. Awardees should acknowledge the IAHS SYSTA award in all related presentations and publications. Starting in 2023, SYSTA awardees are also expected to submit a personal profile and case-study to the IAHS Digital Water Globe.

A list of SYSTA awardees is maintained on the IAHS website.

Oversight and development of the SYSTA scheme is provided by annual reporting and discussion at IAHS Bureau and IAHS Ltd Board meetings. When the SYSTA scheme was set up in 2018, it was agreed that the Secretary General would review the operation and outcomes of the scheme in January 2021 and may recommend adjustments to ensure that the aims of SYSTA are being realised. Due to the COVID-19 pandemic causing the cancellation, postponement or movement online of all IAHS meetings in 2020 and 2021, the SYSTA scheme review was moved to January 2023. A review of the SYSTA scheme was conducted by the IAHS Treasurer in January 2023 and presented to the IAHS Ltd Annual Board meeting in February 2023. The review found that the SYSTA scheme is well-run and has provided benefits of engagement with and visibility of IAHS. Nevertheless, more applications are desirable, particularly from females and from less well-represented countries. It was recommended that the eligibility criteria and application and evaluation process for the SYSTA scheme remain unchanged. Some small changes were recommended that were presented and agreed at IAHS Bureau meetings in 2023. A regular review of the SYSTA scheme is conducted every 5 years by the IAHS Treasurer, with the next review scheduled for January 2028.

A flow chart of the current operation of the SYSTA scheme is shown in Appendix B.

The SYSTA Reports to the May 2022, 10 July 2023 and 13 June 2024 IAHS Bureau meetings provided a summary and commentary of the SYSTA scheme awards until the end of 2021, 2022, and 2023, respectively. This report therefore focuses on the SYSTA operation and awards in 2024 and in 2025 so far. Data tables summarising all SYSTA applications and awards since the scheme started until the end of 2024 are provided in Appendix C.

SYSTA awards 2024

First round, ICCE International Symposium

The SYSTA scheme was advertised in December 2023 for attendance at the ICCE International Symposium in Eichstätt-Ingolstadt, Germany, on 24–26 July 2024. Five applications were received by the deadline of 16 February 2024, of which three were eligible. Two awards were made (one to a female from Iran and one to a male from India).

Second round, 9th IWRM / 14th STAHY/ 1st EBHE

A call for SYSTA applications for participation at the joint 9th IWRM / 14th STAHY/ 1st EBHE meeting in Florianópolis, Brazil, 4–7 November 2024, was advertised through IAHS eNews on 12 April 2024 and through the meeting website, with a deadline for applications of 31 May 2024. 35 applications were received, of which 24 were eligible. The main reasons for the high proportion of ineligible applications were: already received a SYSTA award for intercontinental travel, PhD award too long ago, no first author journal publication, and application received after the deadline. Given that the meeting was in Latin America, it was surprising that no applications were received from FDC countries in Latin America, including Brazil. Four awards were made, all to males – two from India, one from Ethiopia, and one from South Africa. One of the males from India did not participate because they did not apply for their visa until the week before the meeting due to alternative travel (despite reminders from the IAHS Ltd Executive Secretary).

Third round, IAHS Academy

A call for SYSTA applications for participation at the first edition of the IAHS Academy to be held in Cairo, Egypt, 20–25 July 2024, was advertised through IAHS eNews on 26 March 2024 and through the IAHS website, with a deadline for applications of 10 June 2024. Eligible applications had to have been accepted onto the Academy, as well as meeting the SYSTA criteria, requiring intensive communication between the IAHS Ltd Executive-Secretary, IAHS Treasurer and the IAHS Academy Chair. The IAHS Academy Chair also joined the SYSTA Committee for evaluation of the SYSTA applications. 25 applications were received, of which nine met the Academy and SYSTA criteria. All eligible applications were of a high standard, with three awards being made (two to females from Egypt and Ghana, and one to a male from Brazil). Subsequently, the 2024 edition of the IAHS Academy was postponed organisational issues, so these SYSTA awards are being carried forward to the rescheduled first edition of the IAHS Academy in China in January 2026.

SYSTA awards 2025

First round, 2nd International Sociohydrology Conference

The SYSTA scheme was advertised on 16 January 2025 for attendance at the 2nd International Sociohydrology Conference, 19–21 July 2025, in Tokyo, Japan, being organised by the newly-formed International Commission on Human-Water Feedbacks (ICHWF). 28 applications were received by the deadline of 28 February 2025 (set to coincide with the abstract deadline), of which 19 were eligible. Ineligible applicants mostly either did not meet the criterion for an early career researcher, were not currently based in a financially disadvantaged country, or did not have a first author published journal paper. Three awards were made (two to females from India and Indonesia and one to a male from Nigeria).

Second round, XIIth IAHS Scientific Assembly

A call for SYSTA applications for participation at the XIIth IAHS Scientific Assembly at IIT Roorkee, India, 5–10 October 2025, was advertised through IAHS eNews on 17 January 2024 and through the meeting website, with a deadline for applications of 21 February 2025. 26 applications were received, of which 19 were eligible. Seven awards were made – two to females from Indonesia and Tanzania, and five to males from Cameroon, Chad, Ghana, India and Namibia.

Anticipated third round, IAHS Academy

2026 SYSTA awards intended for the rescheduled first edition of the IAHS Academy in China in January 2026 will be advertised later in 2025 once the 2026 Academy dates are confirmed. Two further SYSTA awards have been budgeted, in addition to the three awards carried over from the first edition of the IAHS Academy originally scheduled to be held in Cairo, Egypt, in 2024.

SYSTA funds spent and allocated up to June 2025 are shown in Table 2

Table 2. SYSTA funds spent and allocated at June 2025 (all figures in €). Maximum amount per award was €2000 for 2018–2021, increased to €2500 in 2022 and to €3200 in 2024 onwards.

Item	SYSTA funds set aside	SYSTA funds spent/allocated
SYSTA budget 2018	22,278	
SYSTA budget 2019	31,620	
SYSTA costs for IUGG General Assembly Montreal 2019 (15 awards)		22,280
SYSTA budget 2020	18,000	
SYSTA budget 2021 (15 awards)	30,000	
SYSTA registration costs for STAHY 2021 (online) (3 awards)		360
SYSTA costs for 2020 awards for Great Rivers of Africa 2021 (3 awards)		2755
SYSTA costs for 2021 awards for Great Rivers of Africa 2021 (13 awards)		18,573
SYSTA budget for 2022 (15 awards)	37,500	
SYSTA costs for IAHS Scientific Assembly 2022 (33 awards)		70,769[1]
SYSTA costs for STAHY 2022 (5 awards)		10,932
SYSTA costs for IAHS/ICCE International Symposium 2022 (1 online award)		100
SYSTA budget for 2023 (15 awards)	37,500	
SYSTA costs for IUGG General Assembly 2023 (8 awards)		16,363
SYSTA costs for STAHY 2023 (5 awards)		8,168
SYSTA budget for 2024 (10 awards)[3]	32,000	
SYSTA costs for IAHS/ICCE International Symposium 2024 (2 awards)		4,784
SYSTA costs for the 9th IWRM / 14th STAHY / 1st EBHE (4 awards)		9,600
SYSTA costs for the 2024 IAHS Academy (3 awards carried forward to the rescheduled IAHS Academy in China in January 2026)		8,808
Subtotal	**208,898**	173,492
SYSTA funds remaining at end 2024	**35,406**	
SYSTA budget for 2025 (10 awards)[2]	32,000	
SYSTA awards for the 2nd International Sociohydrology Conference 2025 (3 awards)		7,590
SYSTA awards for IAHS Scientific Assembly 2025 (7 awards)		19,455
Subtotals funds set aside and funds allocated for 2025	**67,406**	**27,045**
SYSTA funds available for future awards	**40,361**	

[1] Includes the abstract submission charges paid by the Secretary General from their advance for some applicants who did not have access to an international credit card.

[2] SYSTA budget reduced from €37,500 to €32,000 in 2024 and 2025 to help ensure long-term financial sustainability.

SYSTA scheme successes

The scheme is meeting its aims to (1) strengthen attendance of IAHS Meetings from financially disadvantaged countries; and (2) foster high quality science among a new generation of hydrologists. 101 SYSTA awards have been made to early career scientists from FDCs to participate in IAHS meetings. Three SYSTA awardees are members of the second IAHS Early Career Committee, representing ICSH, ICSW and ICWQ. Two SYSTA awardees are Associate Editors of *HSJ*, one of whom is strongly involved in the organisation of the 2025 IAHS Scientific Assembly to be held at IIT Roorkee, India. A further two SYSTA awardees are Associate Editors of the IAHS Digital Water Globe

The evaluation process for the applications and the administration of the SYSTA scheme have run very smoothly and efficiently, thanks to the rapid activity of the IAHS Executive Secretary, the IAHS Treasurer and the SYSTA Committee. With the change in IAHS Treasurer on 1 January 2025, the new IAHS Treasurer, Kostas Soulis, has taken over the running of the SYSTA scheme, supported by the outgoing Treasurer, Kate Heal.

Supporting ED&I in IAHS through the SYSTA scheme

Equality, Diversity and Inclusion (ED&I) is embedded in the SYSTA scheme. The scheme is specifically targeted at early career researchers (registered for or completed their PhD less than 5 years ago) who grew up and now reside in a financially disadvantaged country. To particularly support women and primary child carers, the definition of early career is extended to allow an extra year per child if the applicant took parental leave. Financially disadvantaged countries (FDCs) are defined, according to the definition used by IAHS, as countries with the 60% lowest GDP per capita of all countries of the world based on the latest UN Statistics Division data.

SYSTA scheme applicants are greatly supported by the IAHS Executive Secretary and IAHS Treasurer during the application process. For example, if sections of the application are incomplete or the budget is inaccurate, the applicants are advised on how to remedy this and given the opportunity to resubmit the application by the deadline so that it can be considered by the SYSTA evaluation committee. To give an indication of the magnitude of this support for SYSTA applicants, nearly all of almost 200 eligible applications received as of the end of 2024 have required advice (mostly by the IAHS Executive Secretary) to ensure that applications are complete and eligible.

All complete and eligible applications are assessed by the SYSTA Committee comprising 6 members, including the Chair of the ECC. Each application is evaluated by two members of the Committee. Applications are allocated to Committee members such that: all combinations of evaluation pairs occur, all applications from females are evaluated by a female reviewer, and also applications are not reviewed by an evaluator from the same country as far as possible, as an effort to reduce bias in the evaluation. The evaluations are assimilated by the IAHS Treasurer, taking account of the evaluation scores and comments, who makes a proposal to the Committee for which applications are funded. The first SYSTA Committee from 2019–2023 was 50% female and 50% male and had members from China, France, Italy, Turkey, UK and USA. Following the IAHS Officer elections in July 2023, the SYSTA Committee was 33% female (2 females) and 67% male (4 males), with members from Burkina Faso/Ghana, China, DR Congo/South Africa, France, India and UK. From 2025, the SYSTA Committee will be 17% female (1 female) and 83% male, with members from Burkina Faso/Ghana, China, DR Congo/South Africa, France, Greece and India.

The SYSTA application form has sections on the applicant's FDC, sex, and date of birth, that are used to understand the characteristics of applicants and awardees and inform on improvements to the SYSTA scheme to increase its inclusiveness. Tables and figures showing the country, sex and age of SYSTA applicants and awardees and their nominated journal papers to date by meeting and for the whole scheme are shown in Appendix C.

The majority of applications and awards are from males. Males account for 148 (78%) of the 187 eligible applications received by the SYSTA scheme as of the end of 2024 (total number of all applications received is 292). Males also account for 71 (76%) of the 91 SYSTA awards made to date (Appendix C, Tables C3a and C3b). Although the number of applications from females is low, the % of eligible applications from females that are awarded (55%) is slightly higher than for males (52%) for the SYSTA scheme so far (Appendix C, Table C3b). Females are also much less likely to submit ineligible applications; only 12% of the ineligible applications were from females (Appendix C, Table C3c). It is also notable that the majority of eligible applicants and awardees are relatively old, 30-<40 years of age (Appendix C, Tables C4a and C4b). This is attributed to the prevailing characteristics of early career researchers in FDCs who may not obtain PhD registration and award until their late 20s or over 30 years of age. The most frequently nominated first author paper by eligible applicants and awardees is in the current Association journals (*HSJ* and PIAHS), followed by *Journal of Hydrology: Regional Studies*, IAHS Redbooks and *Journal of Hydrology* (Appendix C, Tables C5a and C5b).

Lessons learned so far and operation of the SYSTA scheme going forward

The successful operation of SYSTA would not be possible without the support of Claire Lupton, IAHS Executive Secretary, in administering the applications and awards, including booking flights and accommodation, arranging expenses reimbursements for the awardees, and maintaining excellent communication and support for the awardees. Support has also been provided to applicants by the IAHS Treasurer in completing their applications, many of which are submitted with information missing and with inaccurate budgets. To help remedy this, the 1-page SYSTA application form has been revised several times to increase the clarity of the information sought in each section. To reduce the time of the Executive Secretary and the Treasurer in assisting the majority of the applicants in completing their applications, an example application is posted on the SYSTA webpages showing the typical budget amounts and highlighting good practice and common errors in applications.

SYSTA awardees are supported and guided before and during the IAHS meeting in which they participate with the aim of maintaining ensuring they get the most out of the meeting and continue to engage with IAHS activities and IAHS members after the meeting. Support includes putting the awardees in contact with each other and with the ECC, accommodating awardees together, and arranging a SYSTA networking lunch at assemblies. Awardees appear to have benefited from this support before and during the meeting. In addition, to support awardees to obtain visas, the IAHS Ltd Executive Secretary now puts SYSTA awardees in contact with previous awardees from their country/region who have obtained a visa successfully.

So far in the 6 years of the SYSTA scheme, India and countries in North and West Africa are well-represented in the eligible applications and awards (see Appendix C, Tables C2a and 2b). Approximately 70% of the eligible applications have been received from and awards made to these countries: ~40% West African countries, one-sixth North African countries and one-sixth India. The number of SYSTA applications and awards from FDCs in Latin America is very low, although applications are of a high quality. As of the end of 2024, there have been only 5 SYSTA applications from FDCs in Latin America (1 from Brazil, 1 from Colombia, 3 from Ecuador), four of which were awarded. The continuing small number of SYSTA applications from Latin America is surprising, given that IAHS funded Latin American regional workshops in 2023 and 2024 and the well-attended joint IWRM / STAHY / EBHE meeting was held in Brazil in November 2024.

All IAHS Officers and Members can increase the success and long-term financial sustainability of the SYSTA scheme by:

1) increasing awareness of the scheme and encouraging applications from more eligible applicants, particularly from females and from less well-represented countries, such as from Latin America, south-east Asia, and former Soviet-bloc countries in eastern Europe and central Asia;
2) increasing the number of IAHS meetings organised by IAHS Commissions/Working Groups that are eligible for the SYSTA scheme and bring in participant licence fees to help contribute to the long-term financial sustainability of the SYSTA scheme;
3) seeking external funding sources for SYSTA.

Kate Heal, IAHS Treasurer until 31 December 2024
25 June 2025

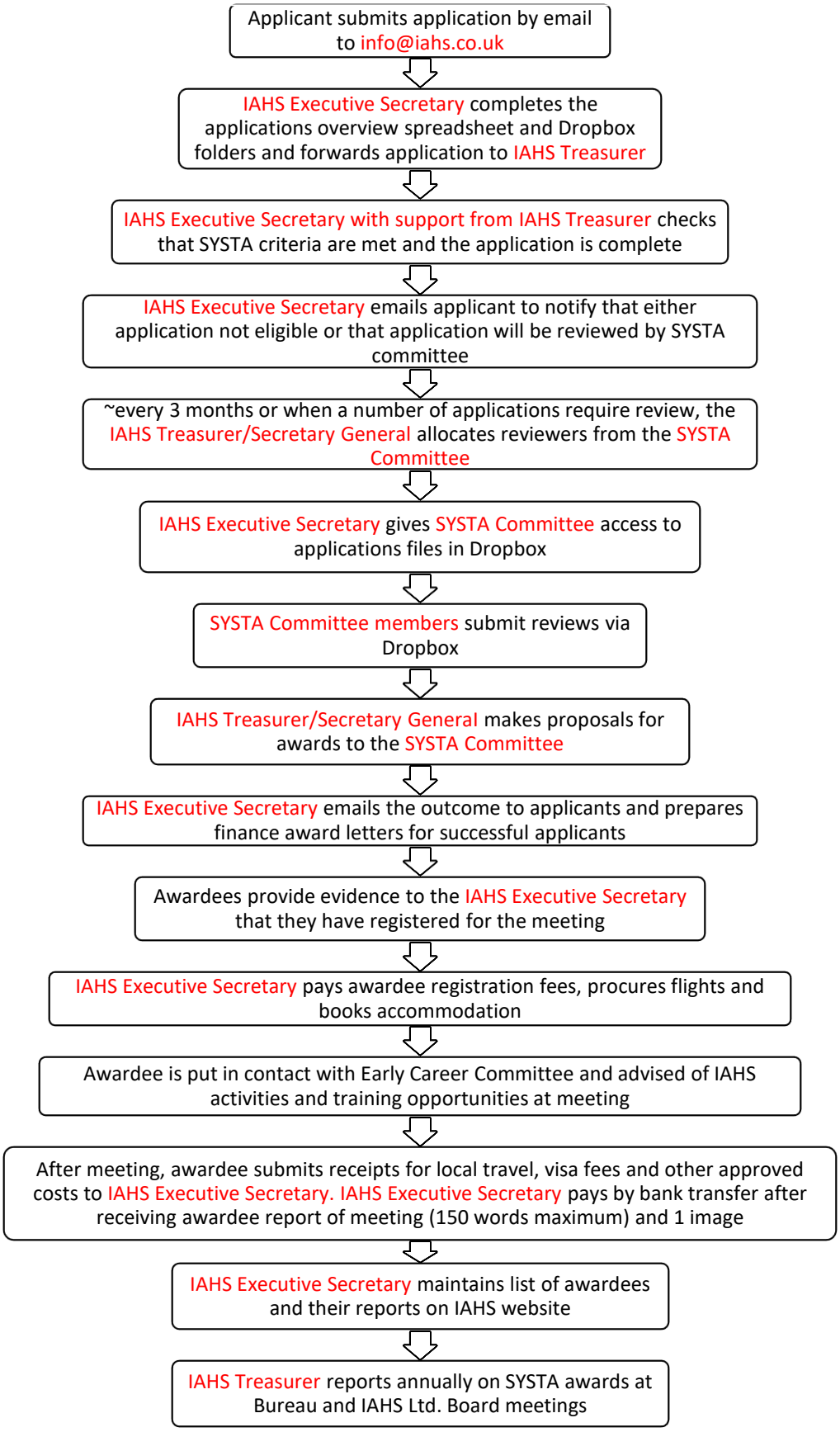
Appendix A. SYSTA application form (current form, revised with experience)

***Country in which applicant grew up and now resides must be a disadvantaged country** in the list of countries posted on the IAHS webpages https://iahs.info/Members-Area/Disadvantaged-countries.do

Title (Dr, Mr, Mrs, Miss):
Family Name:
Given Names:
Current address*:
Email address:
Telephone number:
Date of birth (DD/MM/YYYY):
Sex:
Country in which you grew up:
Years of residence in financially disadvantaged country*:
Year of PhD award:
PhD awarding institution:
PhD title:
Title of current post:
Department and Institution:
Reference (and DOI if available) to a paper of which the applicant is first author in a listed hydrological journal:
Name, dates and location of IAHS meeting planned to attend:
Motivation statement (maximum 250 words) explaining the benefit to the applicant's research and career development of attending the IAHS meeting.
Details of conference participation grants previously received (including awarding body and event attended)
Please state the total Budget and breakdown of costs for the applicant to attend the meeting, e.g. registration fees, economy airfares, local travel, visa fees, contribution to accommodation (** fixed rates €100/night in Europe, USA, Canada, Australia, New Zealand, Japan; €65/night in all other countries). The maximum award is €3200.

	Euros
Registration Fee	
Abstract Submission Fee	
Economy Airfares	
Local Travel	
Visa Fees	
Other (give details)	
Contribution to Accommodation **	
Subsistence (max. €60 per day)	
Total Funding Requested (Max. €3200)	

Appendix B. Flow chart of the SYSTA scheme operation
(current operation, revised with experience)



Appendix C. Characteristics of SYSTA applicants and awardees

These figures are shown on a per application/per award basis. Some individuals have made more than one SYSTA application. A small number of individuals (4) have received more than one SYSTA award due to the first award being for travel within the same continent or for participation at the entirely online STAHY 2021 meeting.

Table C1a. Eligibility of SYSTA applications by SYSTA round and in total

Application eligibility	2019_GA	2020_all	2021a_GRAfrica	2022a_SA	2022b_STAHY	2022c_ICCE	2023a_GA	2023b_STAHY	2024a_ICCE	2024b_Academy	2024c_IWRM_STAHY	Grand Total
Ineligible	9	16	9	20	3	1	11	11	2	12	11	105
Eligible	29	18	19	46	14	1	12	8	3	13	24	187
Grand Total	**38**	**34**	**28**	**66**	**17**	**2**	**23**	**19**	**5**	**25**	**35**	**292**
% ineligible applications	24%	47%	32%	30%	18%	50%	48%	58%	40%	48%	31%	36%

Table C1b. Main reason for ineligible SYSTA applications by SYSTA round and in total.
(Some applications were eligible for more than one reason, e.g. were submitted beyond the deadline and applicant did not have a journal paper).

Ineligible application reason	2019_GA	2020_all	2021a_GRAfrica	2022a_SA	2022b_STAHY	2022c_ICCE	2023a_GA	2023b_STAHY	2024a_ICCE	2024b_Academy	2024c_IWRM_STAHY	Grand Total
Already received SYSTA award				1	2	1	1				2	7
Incomplete application	1			2				3			1	7
Late application	2	5	3	5				2		3	1	21
Meeting not eligible								1				1
No first author journal paper	3	9	2	3	1		6	3		4	2	33
No PhD award or registration									1	2		3
Not currently in FDC	3			1				1		1	1	7
Not from FDC		1		1					1			3
Not presenting at conference			2									2
Not submitted abstract				3			4				1	8
Paper not about hydrology										1		1
PhD more than 5 years ago		1	2	4				1		1	3	12
Grand Total	**9**	**16**	**9**	**20**	**3**	**1**	**11**	**11**	**2**	**12**	**11**	**105**

Table C1c. Number and % of eligible SYSTA applications awarded by SYSTA round and in total

Application eligibility	2019_GA	2020_all	2021a_GRAfrica	2022a_SA	2022b_STAHY	2022c_ICCE	2023a_GA	2023b_STAHY	2024a_ICCE	2024b_Academy	2024c_IWRM_STAHY	Grand Total
Eligible applications	29	18	19	46	14	1	12	8	3	13	24	**187**
Awards	15	9	13	27	4	1	8	5	2	3	4	**91**
Grand Total	**52%**	**50%**	**68%**	**59%**	**29%**	**100%**	**67%**	**63%**	**67%**	**23%**	**17%**	**54%**

Table C2a. Eligible SYSTA applications by country by SYSTA round and in total.
Bold and italics indicates countries from which there have been five or more eligible SYSTA applications in total.

Country	2019_GA	2020_all	2021a_GRAfrica	2022a_SA	2022b_STAHY	2022c_ICCE	2023a_GA	2023b_STAHY	2024a_ICCE	2024b_Academy	2024c_IWRM_STAHY	Grand Total
Algeria	***1***			***5***			***2***		***1***			***9***
Benin	***1***	***1***	***1***	***6***	***1***							***10***
Brazil										1		1
Burkina Faso	1	1		1								3
Cameroon		***1***	***2***	***3***		***1***					***1***	***8***
Colombia	1											1
Côte d'Ivoire	***6***	***2***	***3***	***6***	***1***					***2***	***1***	***21***
Democratic Rep Congo		1									1	2
Ecuador	1			1			1					3
Egypt										3	1	4
Ethiopia			***1***		***1***		***1***			***1***	***1***	***5***
Ghana				***1***	***2***		***1***	***2***		***1***		***7***
India	***4***	***2***		***2***	***4***		***3***	***4***	***1***	***1***	***11***	***32***
Iran	***4***	***1***		***4***					***1***	***1***		***11***
Iraq		1										1
Lebanon		1										1
Madagascar			1									1
Morocco		***1***	***1***	***2***	***1***						***1***	***6***
Nepal		1		1								2
Niger											1	1
Nigeria	***2***	***1***	***1***	***3***	***1***		***1***	***1***			***1***	***11***
Pakistan					1							1
République du Congo			1	1			1					3
Rwanda	1		1	1								3
Senegal	1		1	1				1				4
Somalia											1	1
South Africa				1			2				1	4
Sri Lanka											1	1
Tajikistan	1	1		1								3
Thailand	1	1			1							3
Togo	***1***	***1***	***3***	***2***	***1***						***1***	***9***
Tunisia	***1***		***2***	***4***						***2***	***1***	***10***
Uganda		1										1
Ukraine	2											2
Vietnam			1							1		2
Grand Total	**29**	**18**	**19**	**46**	**14**	**1**	**12**	**8**	**3**	**13**	**24**	**187**

Table C2b. SYSTA awards by country by SYSTA round and in total.
Bold and italics indicates countries from which five or more SYSTA applications have been awarded in total.

Country	2019_GA	2020_all	2021a_GRAfrica	2022a_SA	2022b_STAHY	2022c_ICCE	2023a_GA	2023b_STAHY	2024a_ICCE	2024b_Academy	2024c_IWRM_STAHY	Grand Total
Algeria				1			1					2
Benin			1	3								4
Brazil										1		1
Burkina Faso		1		1								2
Cameroon			***2***	***2***		***1***						***5***
Colombia	1											1
Côte d'Ivoire	***3***	***1***	***3***	***1***								***8***
Democratic Rep Congo											1	1
Ecuador	1			1								2
Egypt										1		1
Ethiopia							1				1	2
Ghana				1			1	1		1		4
India	***4***	***1***		***2***	***2***		***3***	***3***	***1***		***1***	***17***
Iran		***1***		***3***					***1***			***5***
Iraq		1										1
Lebanon		1										1
Morocco			1	2	1							4
Nepal				1								1
Nigeria	1	1		1	1							4
Rwanda	1		1	1								3
Senegal	1		1	1				1				4
South Africa				1			2				1	4
Tajikistan				1								1
Thailand	1											1
Togo	1	1	2									4
Tunisia	***1***		***2***	***4***								***7***
Uganda		1										1
Grand Total	**15**	**9**	**13**	**27**	**4**	**1**	**8**	**5**	**2**	**3**	**4**	**91**

Table C3a. Eligible SYSTA applications by sex by SYSTA round and in total

Sex	2019_GA	2020_all	2021a_GRAfrica	2022a_SA	2022b_STAHY	2022c_ICCE	2023a_GA	2023b_STAHY	2024a_ICCE	2024b_Academy	2024c_IWRM_STAHY	Grand Total
Female	5	3	3	10	3		3	2	1	7	2	39
Male	24	15	16	36	11	1	9	6	2	6	22	148
Grand Total	**29**	**18**	**19**	**46**	**14**	**1**	**12**	**8**	**3**	**13**	**24**	**187**
% female eligible applications	17%	17%	16%	22%	21%	0%	25%	25%	33%	54%	8%	22%
% male eligible applications	83%	83%	84%	78%	79%	100%	75%	75%	67%	46%	92%	78%

Table C3b. SYSTA awards and success by sex by SYSTA round and in total

Sex	2019_GA	2020_all	2021a_GRAfrica	2022a_SA	2022b_STAHY	2022c_ICCE	2023a_GA	2023b_STAHY	2024a_ICCE	2024b_Academy	2024c_IWRM_STAHY	Grand Total
Female	2	1	2	8	2	0	1	1	1	2	0	20
Male	13	8	11	19	2	1	7	4	1	1	4	71
Grand Total	**15**	**9**	**13**	**27**	**4**	**1**	**8**	**5**	**2**	**3**	**4**	**91**
% female awards	13%	11%	15%	30%	50%	0%	13%	20%	50%	67%	0%	24%
% male awards	87%	89%	85%	70%	50%	100%	88%	80%	50%	33%	100%	76%
female success rate	40%	33%	67%	80%	67%	NA	33%	50%	100%	29%	NA	55%
male success rate	54%	53%	69%	53%	18%	100%	78%	67%	50%	17%	18%	52%

Table C3c. Ineligible applications by sex by SYSTA round and in total. (On two ineligible applications the sex section was not completed so the %s for a SYSTA round do not always total 100%).

Sex	2019_GA	2020_all	2021a_GRAfrica	2022a_SA	2022b_STAHY	2022c_ICCE	2023a_GA	2023b_STAHY	2024a_ICCE	2024b_Academy	2024c_IWRM_STAHY	Grand Total
Female		4	1	4				4		3	2	18
Male	8	11	8	16	3	1	11	7	2	9	9	85
Not stated	1	1										2
Grand Total	**9**	**16**	**9**	**20**	**3**	**1**	**11**	**11**	**2**	**12**	**11**	**105**
% female ineligible applications	0%	25%	11%	20%	0%	0%	0%	36%	0%	25%	18%	12%
% male ineligible applications	89%	69%	89%	80%	100%	100%	100%	64%	100%	75%	82%	86%

Table C4a. Eligible SYSTA applications by age by SYSTA round and in total

Age at date of application	2019_GA	2020_all	2021a_GRAfrica	2022a_SA	2022b_STAHY	2022c_ICCE	2023a_GA	2023b_STAHY	2024a_ICCE	2024b_Academy	2024c_IWRM_STAHY	Grand Total
<30 years	3			3	4		1	3	1	3	7	25
30-<40 years	14	14	17	32	8	1	10	4	2	8	10	120
40-<50 years	11	4	2	10	1		1	1		2	5	37
50 years or more	1			1	1						2	5
Grand Total	**29**	**18**	**19**	**46**	**14**	**1**	**12**	**8**	**3**	**13**	**24**	**187**

Table C4b. SYSTA awards by age by SYSTA round and in total

Age at date of application	2019_GA	2020_all	2021a_GRAfrica	2022a_SA	2022b_STAHY	2022c_ICCE	2023a_GA	2023b_STAHY	2024a_ICCE	2024b_Academy	2024c_IWRM_STAHY	Grand Total
<30 years	1			3	2			3	1	1		11
30-<40 years	10	8	11	22	1	1	8	2	1	2	3	69
40-<50 years	4	1	2	2							1	10
50 years or more					1							1
Grand Total	**15**	**9**	**13**	**27**	**4**	**1**	**8**	**5**	**2**	**3**	**4**	**91**

Table C5a. Journal of nominated paper in eligible SYSTA applications by SYSTA round and in total.
Bold and italics indicates journals of papers that have been nominated in three or more eligible SYSTA applications.

Journal of nominated first author paper	2019_GA	2020_all	2021a_GRAfrica	2022a_SA	2022b_STAHY	2022c_ICCE	2023a_GA	2023b_STAHY	2024a_ICCE	2024b_Academy	2024c_IWRM_STAHY	Grand Total
Advances in Geoethics and Groundwater Management (edited conference proc)											1	1
Afrique Science		1										1
Agricultural Water Management				1								1
American Journal of Environmental Protection			1									1
Annales de la FASHS, Université d'Abomey-Calavi				1								1
Applied Water Science									1	1		2
Arabian Journal of Geosciences	***1***			***1***			***2***					***4***
Atmospheric and Climate Sciences					1							1
Atmospheric Research											2	2
Bulletin of Nepal Geological Society				1								1
Catena		***1***		***1***					***1***			***3***
Climat et Développement			1									1
Ecohydrology & Hydrobiology											1	1
ECOPERSIA		1										1
Environmental & Engineering Geoscience				1								1
Environmental Development		1										1
Environmental Earth Sciences			***2***		***1***						***1***	***4***
Environmental Geochemistry and Health								1				1
Environmental Modeling & Assessment										1		1
Environmental Monitoring and Assessment											1	1
Environmental Research Letters		1					1					2
Environmental Science and Pollution Research		1										1
European Scientific Journal	1											1
Flow Measurement and Instrumentation											1	1
Geoenvironmental Disasters	1											1
Geosystems and Geoenvironment						1						1
Groundwater for Sustainable Development					***1***		***1***				***1***	***3***
HESS	***1***	***1***		***2***						***1***		***5***
HSJ	***6***	***4***	***2***	***3***	***1***		***2***	***1***		***1***	***1***	***21***
Hydrogeology				1								1
Hydrological Processes	***1***	***1***		***1***								***3***
Hydrology										1		1
IAH Congress poster abstract	1											1
IAHS Redbook	***2***	***1***	***1***	***2***	***1***							***7***
International Assoc Climatology Conference Proc			1	1								2
International Journal of Advanced Research (IJAR)				1								1
International Journal of Climatology				1							1	2
International Journal of Environmental Monitoring and Analysis					1							1

Journal of nominated first author paper	2019_GA	2020_all	2021a_GRAfrica	2022a_SA	2022b_STAHY	2022c_ICCE	2023a_GA	2023b_STAHY	2024a_ICCE	2024b_Academy	2024c_IWRM_STAHY	Grand Total
International Journal of Remote Sensing				1								1
International Research Journal of Engineering and Technology										1		1
Iran-Water Resources Research				1								1
ISH Journal of Hydraulic Engineering											1	1
Isotopes in Environmental and Health Studies				1								1
Journal des Sciences Hydrauliques	1											1
Journal International Sciences et Technique de l'Eau et de l'Environnement (JISTEE)	***1***	***1***	***1***									***3***
Journal of African Earth Sciences			1									1
Journal of Contaminant Hydrology					1					1		2
Journal of Environmental Management	1											1
Journal of Environmental Protection	1											1
Journal of Fundamental and Applied Sciences	1											1
Journal of Geophysical Research: Atmospheres				1								1
Journal of Geoscience and Environment Protection			1	1								2
Journal of Hydroinformatics										1		1
Journal of Hydrology				***2***	***1***		***1***	***2***			***6***	***12***
Journal of Hydrology - New Zealand	1											1
Journal of Hydrology: Regional Studies				***3***			***2***	***1***	***1***	***1***	***1***	***9***
Journal of Mountain Science			1									1
Journal of the Geological Society of India					1							1
Journal of Water and Climate Change								1				1
Journal of Water Resource and Protection			1	1								2
Journal of Weather and Climate Extremes	1											1
Land				1								1
Le Journal de l'Eau et de l'Environnement				1								1
Modeling Earth Systems and Environment				1								1
Natural Hazards and Earth Science Systems	1											1
Open Journal of Geology											1	1
Physio-Geo		1	1									2
PIAHS	***2***		***2***	***12***	***1***		***1***			***1***	***1***	***20***
Research Journal of Environmental Sciences	1											1
Revue des Sciences de l'Eau	2											2
Revue Notes Scientifiques Hommes et Sociétés		1										1
Science of the Total Environment					1		1					2
Scientia Horticulturae											1	1
Scientific Reports			1	1								2

Journal of nominated first author paper	2019_GA	2020_all	2021a_GRAfrica	2022a_SA	2022b_STAHY	2022c_ICCE	2023a_GA	2023b_STAHY	2024a_ICCE	2024b_Academy	2024c_IWRM_STAHY	Grand Total
Scientific Research		1										1
Special Publication of Nigerian Association of Hydrological Sciences								1				1
Stochastic Environmental Research and Risk Assessment					***2***						***1***	***3***
Sustainability										1		1
Theoretical and Applied Climatology											1	1
Ukrainian Journal of Hydrology Hydrochemistry Hydroecology	1											1
Water		***1***	***1***		***1***							***3***
Water Resources				***1***								***1***
Water Resources Research								1				1
Water Supply											1	1
Water, Air and Soil Pollution										1		1
Water-Energy Nexus			1									1
Grand Total	**29**	**18**	**19**	**46**	**14**	**1**	**12**	**8**	**3**	**13**	**24**	**187**

Table C5b. Journal of nominated paper in awarded SYSTA applications by SYSTA round and in total.
Bold and italics indicates journals of papers that have been nominated in three or more SYSTA applications awarded.

Journal of nominated first author paper	2019_GA	2020_all	2021a_GRAfrica	2022a_SA	2022b_STAHY	2022c_ICCE	2023a_GA	2023b_STAHY	2024a_ICCE	2024b_Academy	2024c_IWRM_STAHY	Grand Total
Agricultural Water Management				1								1
Arabian Journal of Geosciences							1					1
Bulletin of Nepal Geological Society				1								1
Catena		***1***		***1***					***1***			***3***
Environmental Earth Sciences			2									2
Environmental Modeling & Assessment										1		1
Environmental Research Letters							1					1
Geoenvironmental Disasters	1											1
Geosystems and Geoenvironment						1						1
Groundwater for Sustainable Development							1					1
HESS	***1***	***1***		***2***								***4***
HSJ	***5***	***4***	***2***	***2***	***1***		***2***	***1***			***1***	***18***
Hydrogeology				1								1
Hydrological Processes	***1***	***1***		***1***								***3***
IAHS Redbook			***1***	***1***	***1***							***3***
International Journal of Climatology				1								1
International Journal of Remote Sensing				1								1
Iran-Water Resources Research				1								1
Isotopes in Environmental and Health Studies				1								1
Journal International Sciences et Technique de l'Eau et de l'Environnement (JISTEE)			1									1
Journal of African Earth Sciences			1									1
Journal of Environmental Management	1											1
Journal of Environmental Protection	1											1
Journal of Geophysical Research: Atmospheres				1								1
Journal of Geoscience and Environment Protection			1									1
Journal of Hydroinformatics										1		1
Journal of Hydrology				***1***	***1***		***1***	***2***			***2***	***7***
Journal of Hydrology: Regional Studies				***3***			***2***	***1***	***1***	***1***		***8***
Journal of Water Resource and Protection			1									1
Journal of Weather and Climate Extremes	1											1
Modeling Earth Systems and Environment				1								1
Natural Hazards and Earth Science Systems	1											1
Physio-Geo			1									1
PIAHS	***1***		***2***	***6***								***9***
Revue des Sciences de l'Eau	2											2
Revue Notes Scientifiques Hommes et Sociétés		1										1
Scientia Horticulturae											1	1
Scientific Reports			1	1								2
Stochastic Environmental Research and Risk Assessment					1							1
Water		1										1
Water Resources Research								1				1
Grand Total	**15**	**9**	**13**	**27**	**4**	**1**	**8**	**5**	**2**	**3**	**4**	**91**