



The WCRP Academy

Climate Research Forum – South America 2021

Pablo Borges de Amorim



International
Science Council



Motivation – training for climate science

Now, more than ever, the world needs climate experts. Climate expertise is particularly needed in countries most vulnerable to the negative impacts of climate change.

Although there is a large amount of excellent climate science training available, coordination of access to this training would benefit those looking for it.

Provision of climate science training could be made more efficient and sustainable by better connecting providers and consumers of training.



International
Science Council



Barriers to better climate science training

No one institution can provide the complete training that modern climate scientists require.

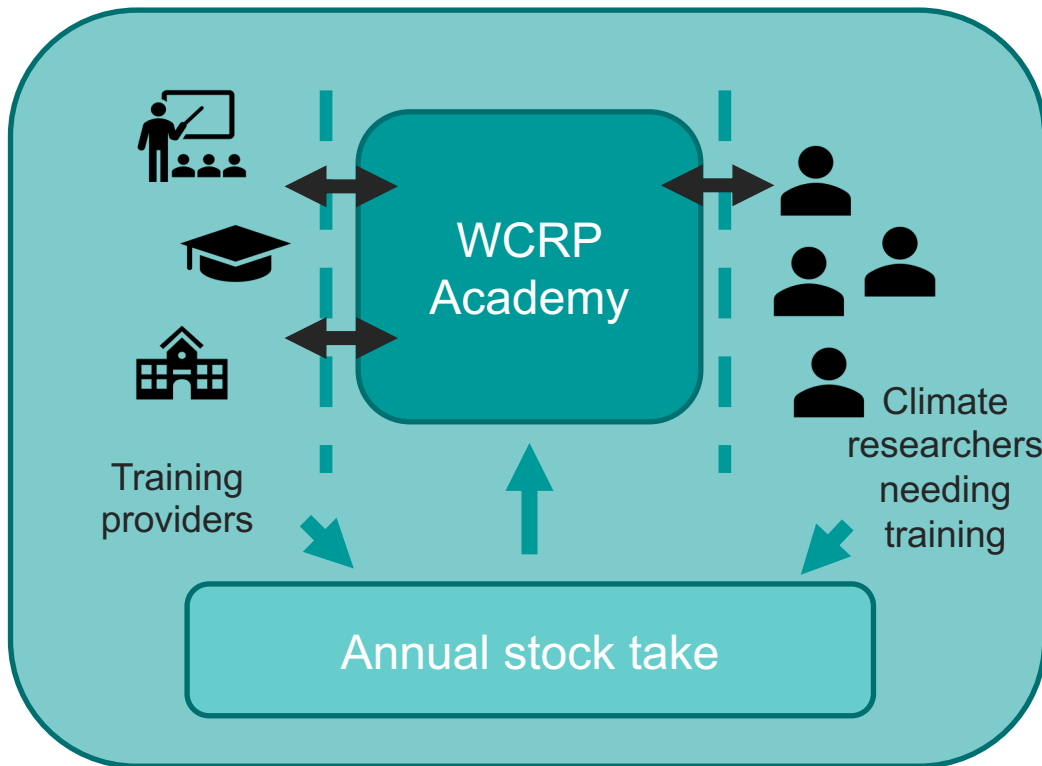
Climate science training could be made more useful if designed with the impact of climate variability and change on society in mind.

Barriers to access to training are primarily geographical and financial not a lack of prior learning or desire for training.

Delivery of climate science training needs governmental, institutional and philanthropic grants and paid for training.

Training at the scale and quality required for the next generation of climate scientists will require delivery both online and in-person.

WCRP Academy LHA – Focus



Timeline:
Set up: 2 years
Horizon: 5-10 years

Training future generations of climate scientists;

A 'marketplace' for climate science training.

Inward facing: consolidation and register of WCRP training activities; guidance and support for WCRP training activities; community building

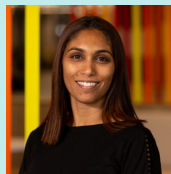
Outward facing: consolidation of training opportunities from external providers; identifying training gaps and facilitating new training; address global inequities.

WCRP Academy Science Development Team

Andrew
Charlton-
Perez



Angela
Maharaj



Narelle
van der Wel
(WCRP
Secretariat)



Amy
Lovecraft



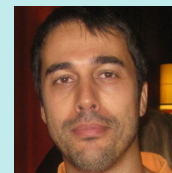
Antonietta
Capotondi



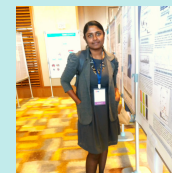
Ayman
Batisha



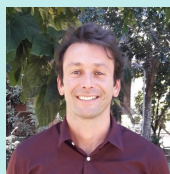
Chris
Lennard



Enrique
Sánchez Sánchez



Feba
Francis



Pablo
Borges de
Amorim



Peter
van Oevelen



Thando
Ndarana



Irène
Lake

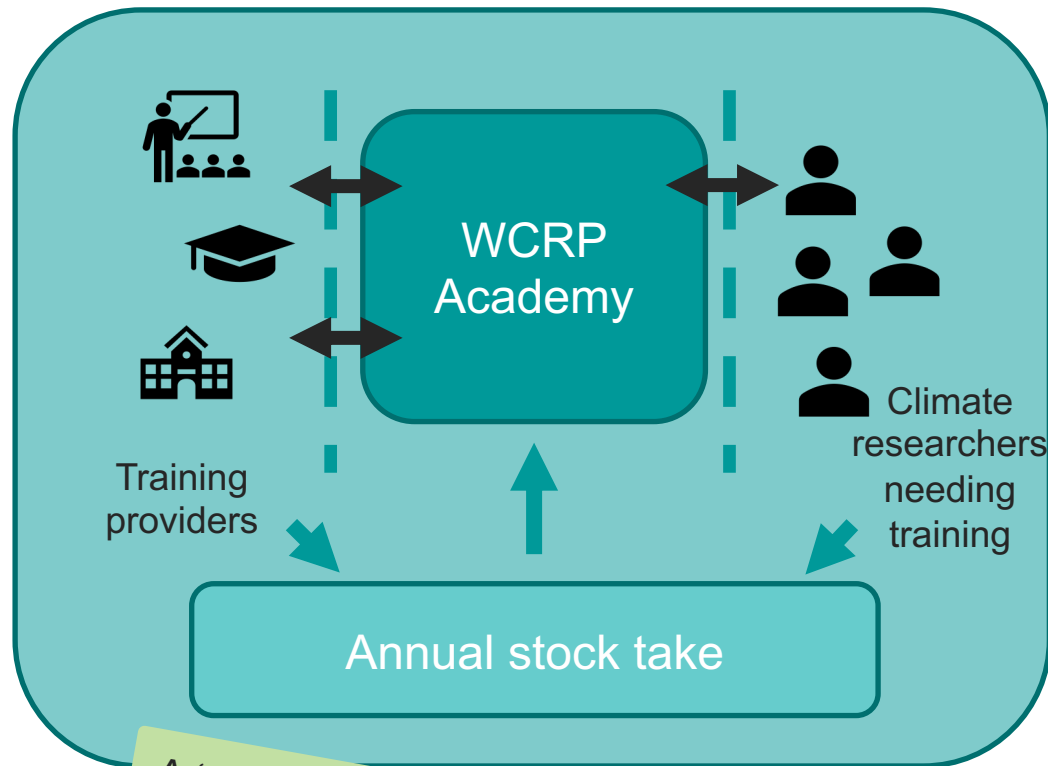


Michael
Bosilovich



Luciane
Veeck

WCRP Academy LHA – how to get involved



First stock-take between May and August 2021 – please encourage colleagues and students to take part to identify near future and long-term training needs.

Look out for the results of the stock take – to be published by end of 2021. Where there is a gap, could your organisation provide the training?

We are looking for new members for our working groups especially with expertise in working with philanthropic donors and in setting up non-profit organisations. Contact Narelle at nvanderwel@wmo.int

A 'marketplace' for
climate science
training.

An annual stock-
take' of available
training and gaps.

WCRP Academy working groups

Chairs:

Consulting with WCRP and partners
AGU Submission

WG1: Stock-take

Aim: Design mechanism to understand what training is available and what is needed.

Long-term: How to operationalize this function.

Current work: Definitions; Developing stock-take survey

WG2: Identity and portal

Aim: Establish value-proposition and brand

Develop web-portal

Long-term: Guides development of platform

Current work: Landing page; Name, Logo, Portal requirements

WG3: Finance

Aim: Establish business model

Build proposal and options

Long-term: Financial sustainability and mechanisms

Current work: funding sources.



International
Science Council



Stock-take Survey

<https://www.wcrp-climate.org/academy-survey>



World Climate Research Programme

ACADEMY

Climate Training Stocktake Survey
2021



Now, more than ever, the world needs climate scientists. A key part of building the climate research workforce needed to address the challenges of this century is broadening access to climate science training. The *WCRP Academy* is one of the new lighthouse activities of the World Climate Research Programme, designed to make positive steps towards giving more scientists access to the training they need to meet the challenges of tomorrow.

"To meet the challenges and explore the opportunities of our changing climate, our scientists will need a strong understanding of climate from an Earth systems perspective, will need a more interdisciplinary understanding of the problems faced, will need to understand better how their science can be used in decision making, and will need to know how to communicate it to a broad audience. This will require training - not only of our early career scientists, who will lead the way, but of all climate scientists."

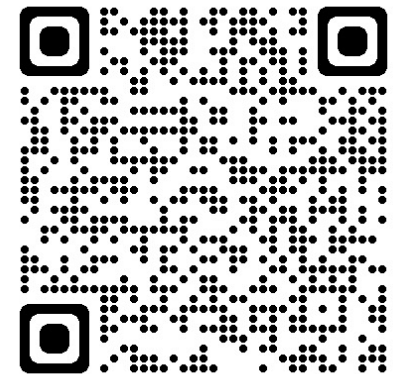
Detlef Stammer and Helen Cleugh

WCRP Academy

Overview
Leadership
Climate Training Stocktake Survey 2021
Documents
Events and opportunities

Lighthouse Activities

Overview
Explaining and Predicting Earth System Change
Safe Landing Climates
WCRP Academy

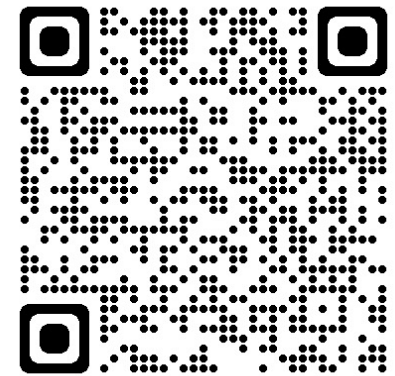


International
Science Council



Stock-take Survey

Country	Responses	
Argentina	4,31%	9
Bolivia	0,00%	0
Brazil	15,79%	33
Chile	0,00%	0
Colombia	0,96%	2
Ecuador	0,96%	2
French Guiana	0,00%	0
Paraguay	0,00%	0
Peru	0,48%	1
Suriname	0,00%	0
Uruguay	0,48%	1
Venezuela	0,00%	0



What's next?

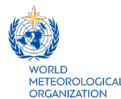
- Survey until 26th November 2021
<https://www.wcrp-climate.org/academy-survey>
<https://www.surveymonkey.com/r/PY9WHV2>
- Call for nominations for a new Chair and also for a consultant for the Academy
- Workshop at International Conference on Southern Hemisphere Meteorology and Oceanography (ICSHMO) 2022 on Assessing the Climate Science Training needs of the Global South.

<https://confer.eventsair.com/icshmo-2022/>

Contact

If you wish to get in contact regarding this activity,
please email:

Narelle van der Wel: nvanderwel@wmo.int



International
Science Council

