

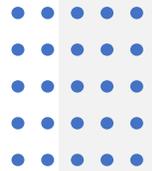


The WCRP Academy

CLIVAR SSG Meeting, March 8-11, 2021
Angela Maharaj (a.maharaj@unsw.edu.au)

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.



Barriers to better climate science training

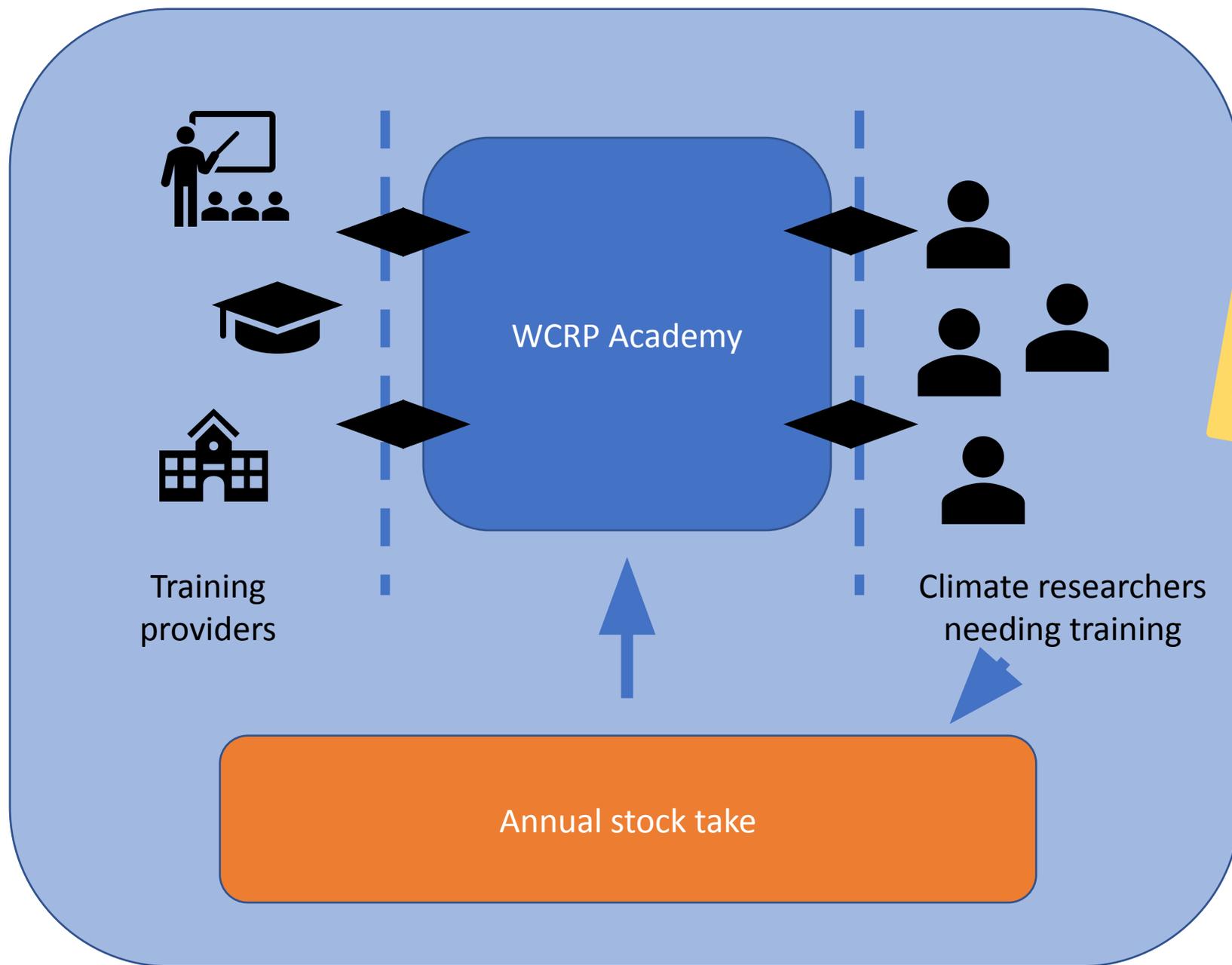
No one institution can provide the complete training that modern climate scientists require.

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.



The 'marketplace' for climate science training

An annual 'stock-take' of what is needed and where it is needed

Our development team

Andrew
Charlton-Perez



Angela
Maharaj



Narelle
van der Wel



Amy
Lovecraft



Antonietta
Capotondi



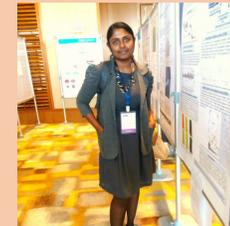
Ayman
Batisha



Chris
Lennard



Enrique
Sánchez Sánchez



Feba
Francis



Pablo
Borges de
Amorim



Peter
van Oevelen



Thando
Ndarana



Irene
Lake



Michael
Bosilovich

Our working groups

Stock-take

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

Long-term: How to operationalize this function.

Identity and portal

Aim: Establish value-proposition and brand

Develop web-portal

Long-term: Guides development of platform

Finance

Aim: Establish business model

Build proposal and options

Long-term: Financial sustainability and mechanisms

WCRP Academy work plan

	2020												2021											
	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
S1: Definitions of 'climate science', 'climate scientist' and 'training.'	█																							
S2: Designing survey		█	█																					
S3: Collecting and analysing survey data.				█	█	█	█																	
S4: Report on the results of the survey.								█	█	█	█													
S5: Ongoing stock-take plan													█	█	█									
I1: Value proposition	█																							
I2: Refining brand		█	█																					
I3: Initial web development				█	█																			
I4: Portal development.						█	█	█	█	█	█	█	█	█	█									
I5: Metric development																	█	█						
F1: Business plan	█	█	█																					
F2: List of funders				█	█																			
F3: Outline funding bid						█	█	█	█	█	█													
F4: Financial mechanisms												█	█											
F5: Submitting funding bids.															█	█	█	█	█	█	█	█	█	
Science Team Meetings	█		█		█		█		█		█		█		█		█		█		█		█	

Legend:	█ Stock-Take	█ Identify and portal	█ Funding
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- Working on a 2-year timeline to implementation
- Focus on three linked working groups
- Rotate science team after this period – into implementation
- Bi-monthly meetings 2021; four meetings 2022

Resource requirements

In the short-term all our resources are provided by WCRP and by the generous contributions of our science team

- In the long-term:
 - Academy needs a small full-time staff, business plan in development
 - The two centre pieces of the Academy (the portal and the annual stock-take) need long-term funding
 - Seed funding to develop training where this is not currently provided will help to ensure a well functioning marketplace

Get involved



Our first stock-take will happen between May and August 2021 – please take part and 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 always looking for new members of our working groups especially with expertise in working with philanthropic donors and in setting up non-profit organisations