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.
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.

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

Chairs:
Consulting with WCRP and partners
AGU Submission
Stock-take Survey

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

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 Clegg
## Stock-take Survey

<table>
<thead>
<tr>
<th>Country</th>
<th>Responses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Argentina</td>
<td>4.31%</td>
</tr>
<tr>
<td>Bolivia</td>
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<tr>
<td>Brazil</td>
<td>15.79%</td>
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<td>Chile</td>
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<td>Colombia</td>
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<tr>
<td>Ecuador</td>
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<tr>
<td>French Guiana</td>
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<td>Paraguay</td>
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<td>Peru</td>
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<tr>
<td>Suriname</td>
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<tr>
<td>Uruguay</td>
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</tr>
<tr>
<td>Venezuela</td>
<td>0.00%</td>
</tr>
</tbody>
</table>
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/
If you wish to get in contact regarding this activity, please email:

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