

Foro de Investigación Climática del WCRP
Prioridades de investigación
sobre el clima para
la próxima década

América del Sur: 8-9 de septiembre de 2021
13:30 – 16:00 Tiempo Universal Coordinado (UTC)

Bienvenidos
al 2^{do} día

Welcome to
Day 2

WCRP Climate Research Forum
Climate research
priorities for the
next decade

South America: 8-9 September 2021
13:30 – 16:00 Coordinated Universal Time (UTC)

Technical Guidance and Participation

- Technical guidance:
 - Please have **slido** loaded – the link for slido is posted in the Zoom Chat window *(or email from WMO/WCRP/Eventbrite with the Zoom videoconference link)*.
 - Remember to **turn off your microphone and video** unless you are presenting, **or** you are a Chair / Moderator, **or** you have been asked to speak.
 - For **technical assistance**, please “chat” to Narelle van der Wel or Nico Caltabiano via **Zoom Chat**.
- Participation in today’s Forum:
 - There are two features regarding **language options** on your **Zoom screen**:
 - **Interpretation** enables you to hear the Forum in either Spanish or English.
 - **Live transcript** means you will see on the screen what the speaker is saying**.
 - Please post questions for the Speakers on **Slido**, in either Spanish or English. This will be monitored, and questions conveyed to Chairs and Speakers.
 - We encourage discussion in **Zoom Chat**, and you can ask technical questions here too, but please use **Slido** for questions to the Speakers or Chairs.
- Recording:
 - This Forum is being recorded to assist in documenting the outcomes.
 - The recording will be posted on the WCRP website.

Slido – a reminder

We are using **Slido** to enable the audience to ask questions of our speakers (via **Slido Q&A**) and for WCRP to seek feedback from the audience (via **Slido Polls**)

Please type your questions to our Speakers into **Slido Q&A**, in either Spanish or English:

- You can vote for (“like”) the questions posted by other participants. This helps us to focus on those questions that are of greatest interest.
- We aim to answer as many questions as possible in the time available.
- Missed questions? We will try and address these after the Forum.

Please enter your answers to the questions in the **Slido Poll / Survey** to provide feedback, responses and ideas.

1. Introduction and Welcome

- Welcome back from Detlef Stammer and Helen Cleugh
Chair and Vice Chair of the Joint Scientific Committee (JSC) of the WCRP
- Summary of Slido Feedback – thanks to those who completed the “homework” Slido Poll # 3. We will discuss this during the final (Concluding Discussion) session today (~15.30 UTC)
- Survey 3 will stay open until the 4th Survey (after Session 4) and then re-open at the end of the Forum
- Program and Goal for today

WCRP Climate Research Forum: Day 2 (September 9)

Program

Introduction and Welcome Back [*WCRP Joint Scientific Committee (JSC) Chairs*, 10 mins]

Session 4: Regional Information for Society (RIfS) Core Project. Chair: Jhan Carlo Espinoza [55 min]

- CORDEX in South America and Introduction to new Regional Information for Society Core Project.
Speaker: Silvina Solman, University of Buenos Aires, Argentina (15 mins).
- Hydroclimate Research Program for the Andes (ANDEX) and the connection with RIfS.
Speaker: Germán Poveda, National University of Colombia, Colombia (15 mins).
- Q&A using Slido (up to 25 mins)

Slido Poll #4

Session 5: Connections between WCRP, Future Earth and the UN Ocean Decade – a roundtable [60 mins]

Moderated by Ken Takahashi, WCRP Joint Scientific Committee and Regina Rodrigues, My Climate Risk Lighthouse Activity.

Interventions from, and dialogue between, three representatives:

- Salvatore Arico – IOC; United Nations Decade of Ocean Science
- Emanuele Di Lorenzo – Georgia Institute of Technology and Future Earth OCEAN KAN
- Ivonne Montes – WCRP CLIVAR Core Project

Discussion and Q&A using Slido (up to 45 mins)

Concluding Discussion (including results from Slido surveys) and Farewell

[Detlef Stammer and Helen Cleugh, 20 mins]

Our mission is to accelerate transformations to global sustainability through research and innovation

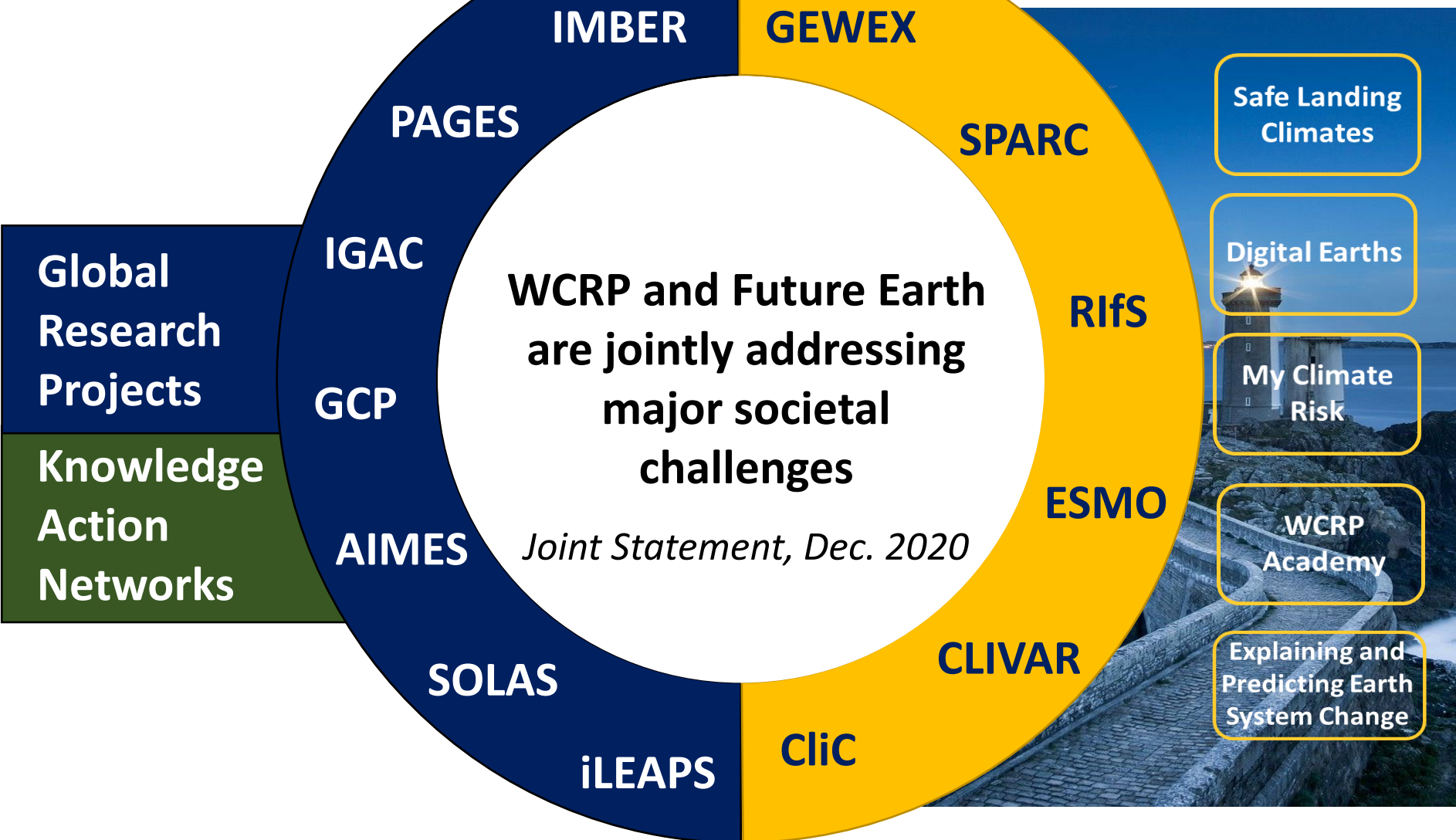
Our mission is to coordinate and facilitate international climate research to develop, share and apply the climate knowledge that contributes to societal wellbeing



Core Projects and Research Communities

- Climate and Cryosphere (CliC)
- Global Energy and Water Exchanges (GEWEX)
- Climate and Ocean Variability, Predictability and Change (CLIVAR)
- Stratosphere-troposphere Processes And their Role in Climate (SPARC)
- *Earth System Modelling and Observations (ESMO)*
- *Regional Information for Society (RIfS)*

And 8 Knowledge Action Networks (KANs)



Sound, relevant and timely science – providing the evidence base for a resilient, sustainable and equitable world now and in the future; a world where people can thrive

Analysis, Integration, and Modeling of the Earth System (AIMES), the Earth Commission and the World Climate Research Programme (WCRP) Safe Landing Climates Lighthouse Activity warmly invite you to a new discussion series on tipping elements, irreversibility, and abrupt change in the Earth system.

This will support efforts to increase consistency in the treatment of tipping elements in the scientific community, develop a research agenda, and design joint experiments and ideas for a Tipping Element Model Intercomparison Project (TipMip).

To find out more and to register, see <https://www.wcrp-climate.org/slc-events-opportunities/slc-tipping-points-discussion>



Tipping Elements, Irreversibility, and Abrupt Change in the Earth System

Discussion Series

20 September 2021, 12:00 - 13:30 CEST

WCRP Climate Research Forum: Day 2 (September 9) Program

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- Q&A using Slido (up to 25 mins)

Slido Poll #4

slido



Survey 4

① Start presenting to display the poll results on this slide.

WCRP Climate Research Forum: Day 2 (September 9) Program

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Discussion and Q&A using Slido (up to 45 mins)

slido



Survey 3

① Start presenting to display the poll results on this slide.



WORLD CLIMATE RESEARCH PROGRAMME (WCRP)

Concluding Discussion – Day 2

Detlef Stammer and Helen Cleugh
WCRP Chair and JSC Vice Chair

Summary from Slido Feedback (1)

Icebreaker (2/2)

Have you heard of the World Climate Research Programme? (select one):

115

Yes - I have heard of WCRP and have been involved in WCRP-supported activities. / Sí - Conocía al WCRP y he participado en sus actividades

43 %

Yes - I have heard of WCRP but have not yet been involved in WCRP-supported activities. / Sí - Conocía al WCRP pero no me he involucrado en sus actividades

45 %

No - I had not heard of WCRP prior to the invitation to this forum. / No conocía al WCRP previo a la invitación a este foro

11 %

1. Our audience is mostly aware of WCRP

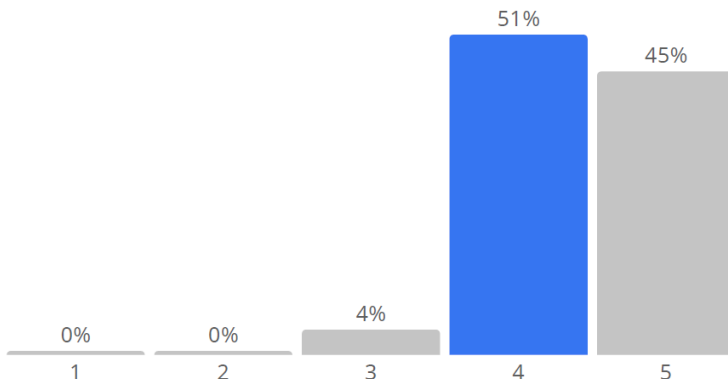
- 43% have heard of WCRP and been involved in WCRP-supported activities
- 45% have heard of WCRP but not been involved in WCRP-supported activities
- 11% not heard of WCRP prior to this Forum
- 115 responses

Survey 1 (1/2)

On a scale of 1 (weak) to 5 (strong), how would you rate WCRP's future goals for addressing climate information needs?

082

Score: 4.4



2. WCRP's goals are very favourably regarded by this audience

- 45% scored these as 5 ("strong")
- 51% scored these as 4 (moderately strong)
- 4% neutral
- 82 responses

Summary from Slido Feedback (2)

Survey 2 (1/4)

0 4 5

Do you think the Lighthouse activities are addressing critical science questions for the coming decade? (select one):

Yes / Sí



I need to know more about the Lighthouse activities to make an opinion. / Necesito saber más sobre las actividades Faro para poder opinar



No, I do not know what the Lighthouse activities are. / No, no sé qué son las actividades Faro.



Survey 2 (3/4)

0 4 6

Do you think that the My Climate Risk Lighthouse Activity is addressing the needs for regional climate information in your region/sector/science area?

Yes / Sí



No



Maybe / Quizás



Survey 2 (4/4)

0 4 5

Do you think that the WCRP Academy Lighthouse Activity will address the needs for capacity building in your region / sector / science area?

Yes / Sí



No



Maybe / Quizás



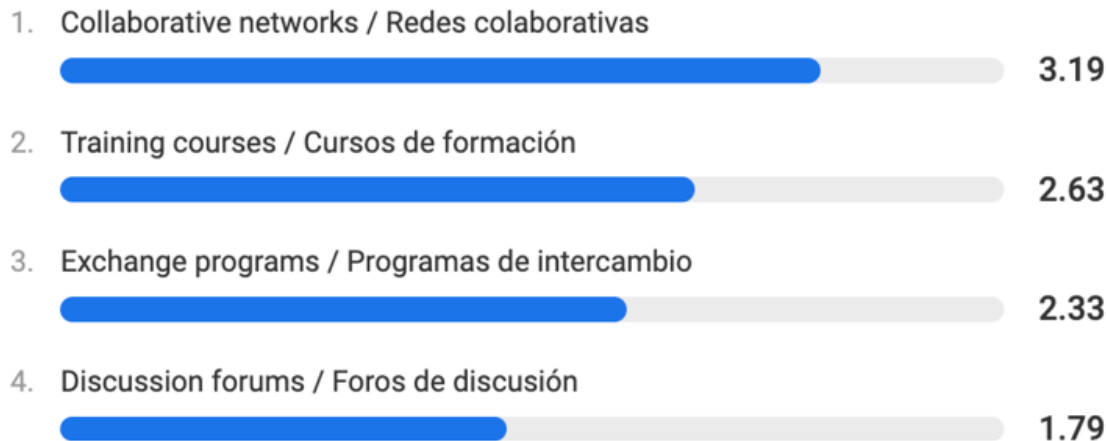
3. WCRP Lighthouse Activities are seen favourably by this audience

- 42% said these were addressing critical science questions
- Although 56% said “need to know more”
- 45 responses
- **My Climate Risk**
 - 41% Yes to addressing the needs for regional climate information
 - 52% Maybe
 - 7% No
 - *Note: see also responses after Session 4*
- **WCRP Academy**
 - 51% said it addresses the needs for capacity building
 - 44% Maybe
 - 5% No

Summary from Slido Feedback:

Overnight Survey #3 – *preliminary only*

Q9: How important are the following ways to increase participation of South American researchers in WCRP?
(43 respondents; Rank from 1 to 4 [most to least important])



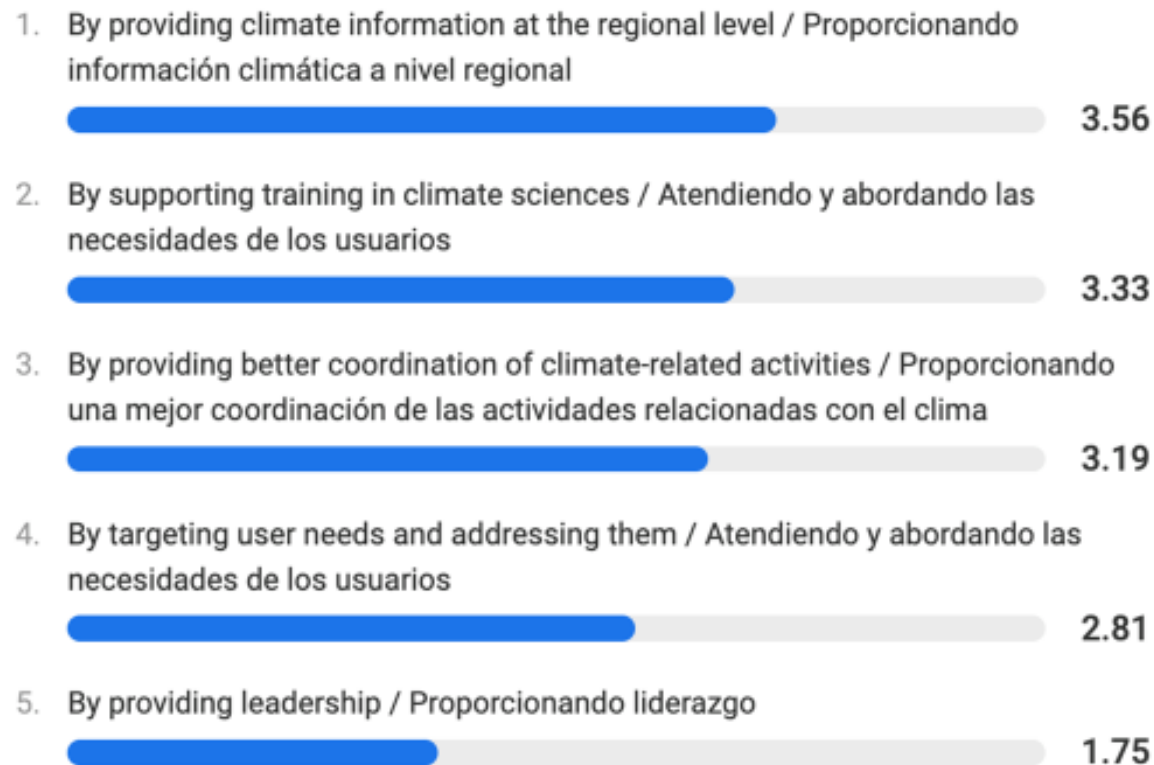
Q10: Alternative ways to increase participation
(8 responses; open text)

1. **Collaborative Projects:** Find key problems and encourage researchers to pursue common goals.
2. **Coordinate white papers:** South American researchers are sometimes not heard by authorities. White papers that delineate ways to address key societal problems through scientific research, written by a network of researchers, for decision makers planning public policies for research.
3. **Propose seed money for regional collaboration** through specific WCRP calls
4. **Free (open access?) databases**
5. **Share information among countries** with similar characteristics, e.g. hydrographic basins
6. **Smart engagement by social media** for connecting people to any project
7. **Financing projects**

Summary from Slido Feedback:

Overnight Survey #3 – *preliminary only*

Q12: Ranking of areas where WCRP could help make a difference (36 respondents; Ranked Poll)



Summary from Slido Feedback:

Overnight Survey #3 – *preliminary only*

Q13: Identify areas where WCRP can make a difference to climate research
17 respondents. Open text, answers synthesised below

Climate Modelling

- Help scientists to access computing resources and training in their use

Funding

- Facilitating funding for projects and access to international funding
- Seed funding for collaborative projects between SA countries

Training

- Basic education; University teachers/lecturers; Professionals in charge of monitoring and forecast systems; disaster risk management

Data provision

- Ocean data and Open access

Connections with existing networks

- Helping to provide the bridge connecting research to operational centers
- Working on relevant aspects and topics

Other topics where WCRP could make a difference

- Impact of climate change on socioecological systems
- Adaptation measures in vulnerable communities
- New economic models based on ecological limits
- Social sciences
- Climate change indicators (adaptation and mitigation)
- Disaster risk management, hydrological resources, food security
- Climate Change and Variability
- Modelling and AI Applications (incl. for post processing)

Summary from Slido Feedback: Overnight Survey #3 – *preliminary only*

Q18. How could WCRP improve communication channels? 17 responses
Open text, answers synthesised below

1. **Social Media (multiple mentions)**
2. **Through communicating directly to the national stakeholders**
3. **Establishing an open data platform** for both observations and model outputs
4. **Networks and connections**
 - By improving network within (and between?) universities.
 - Organize supporting groups by activity and/or topic
 - Maintain email lists (multiple mentions), focused on the region and updated
5. **Local Workshop series and fora - focused on problems of relevance to local regions, smaller communities**
6. **Continue to strengthen communication in Spanish.**

Summary from Slido Feedback:

Overnight Survey #3 – *preliminary only*

Q14: WCRP role in supporting local and regional communities: gaps & needs? (Ranked Poll)

33 respondents

Q15: Some other suggestions:

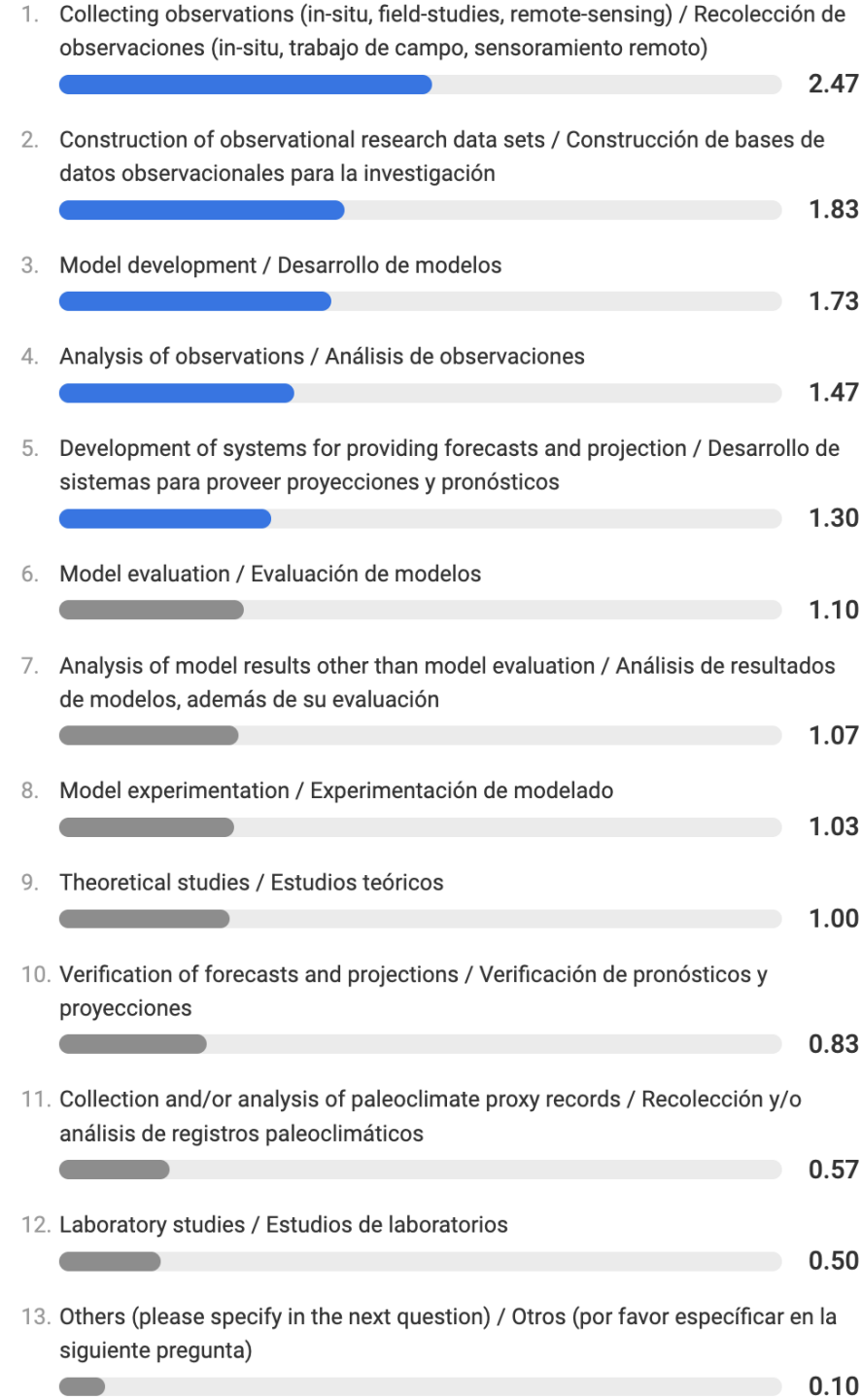
- Acquiring and sharing datasets – exploiting cloud computing. WCRP can play a role in developing this and protocols
- Approach national stakeholders
- Become a strong actor in the impact sector (Water, Disaster Risk etc)
- Providing Advisory services and supporting project development



Summary from SI Overnight S

Q20: What do you think are the climate
process-based training areas most
needed in South America
(Select up to 5)

30 responses



Q 11: “what topics would you like to be included in follow-up Forums for South America (3 – 5 topics)”

30 respondents



A
“Sentiment
Cloud”
according to
Slido...

research communities
collaborative patricia university
website plans training needs collectives
pablo wcrp academy hubs
wcrp climate risks amerigeo
work regional climate models apologies
jsc coquimbo
brazil
virtual
chat
storylines wmo rcc countries
south america anna regina mean climate
climate information messages

/view all (49)

Our Climate Future – Key Contacts

A reminder that if you want to know more, or wish to be involved in any of our activities, then here are some ways to follow-up with us

1. Email us with questions or ideas at climatefuture@wcrp-climate.org
2. Register for our newsletter at
<https://www.wcrp-climate.org/news/wcrp-newsletter/subscribe>
or via the link at:
<https://www.wcrp-climate.org/wcrp-ip-connect>
3. Register at www.wcrp-climate.org/climate-research-forums to tell us more about you and your interests
4. Check website for updates at www.wcrp-climate.org/wcrp-ip-overview

**gracias
thank you
climatefuture@wcrp-climate.org**



WORLD
METEOROLOGICAL
ORGANIZATION



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Educational, Scientific and
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Commission



International
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